TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-22804-1

Job Description: RVAAP - ECC

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

Approved for release.
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5/9/2013 6:34 PM

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-22804-1

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 Nitrocellulose, 8330 Nitroguanidine and 8330B Explosives analysis were 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 04/04/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.2 and 4.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 04/04/2013 and analyzed on 04/08/2013 and 04/15/2013.

Acetone was detected in method blank MB 240-81930/7 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. Refer to the QC report for details.

Acetone failed the recovery criteria high for MRL 240-81930/15. Acetone and Bromoform failed the recovery criteria high for MRL 240-81930/5. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for 074SB-0010-0001-SO (240-22804-4). Refer to the QC report for details.

The initial calibration verification (ICV) for analytical batch 81838 exceeded control criteria for Dichlorodifluoromethane, Acrolein, and Vinyl Acetate. The data have been qualified and reported.

The Method Reporting Limit (MRL) opener for the DoD samples had Acetone and Bromoform fail high for their percent recoveries.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 81930 on these samples 074SB-0010-0001-SO (240-22804-4).

Surrogate recovery for the following samples were outside of acceptance limits: 074SB-0010-0001-SO (240-22804-4). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 079RN-0317-0001-RN (240-22804-11) and 079-0318-0001-TB (240-22804-12) were 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 analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 074SB-0013-0001-SO (240-22804-2), 074SB-0015-0001-SO (240-22804-3), 074SB-0010-0001-SO (240-22804-4), 074SB-0012-0001-SO (240-22804-5), 074SB-0023-0001-SO (240-22804-6), 074SB-0024-0001-SO (240-22804-7), 074SB-0025-0001-SO (240-22804-8), 074SB-0026-0001-SO (240-22804-9) and 074SB-0027-0001-SO (240-22804-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/15/2013 and 04/25/2013 and analyzed on 04/23/2013 and 04/28/2013.

Di-n-butyl phthalate was detected in method blank MB 240-83486/23-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.

Sample 074SB-0023-0001-SO (240-22804-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: 074SB-0023-0001-SO (240-22804-6). Elevated reporting limits (RLs) are provided.

An acid surrogate recovery for the following samples was outside control limits: 074SB-0010-0001-SO (240-22804-4), 074SB-0012-0001-SO (240-22804-5). Re-extraction and re-analysis was performed outside of holding time with acceptable results.

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 079RN-0317-0001-RN (240-22804-11) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/09/2013 and analyzed on 04/17/2013.

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

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

NITROGUANIDINE (HPLC)

Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330_Ngu. The samples were prepared on 04/08/2013 and analyzed on 04/10/2013.

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

DIESEL RANGE ORGANICS (DRO)

Samples 074SB-0013-0001-SO (240-22804-2), 074SB-0015-0001-SO (240-22804-3), 074SB-0010-0001-SO (240-22804-4), 074SB-0012-0001-SO (240-22804-5), 074SB-0023-0001-SO (240-22804-6), 074SB-0024-0001-SO (240-22804-7), 074SB-0025-0001-SO (240-22804-8), 074SB-0026-0001-SO (240-22804-9) and 074SB-0027-0001-SO (240-22804-10) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO DoD. The samples were prepared on 04/16/2013 and analyzed on 04/17/2013 and 04/19/2013.

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

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

DIESEL RANGE ORGANICS (DRO)

Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO DoD. The samples were prepared on 04/06/2013 and analyzed on 04/10/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 80861.

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

CHLORINATED PESTICIDES

Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 04/12/2013 and 04/23/2013 and analyzed on 04/20/2013 and 04/25/2013.

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.

The TCMX surrogate batch 81726 method blank (MB) associated with samples 074SB-0010-0001-SO (240-22804-4) 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): 074SB-0010-0001-SO (240-22804-4) on one column or both collumns. The samples were re-extracted and both sets of data are reported.

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 074SB-0010-0001-SO (240-22804-4), 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 closing continuing calibration verification (CCV) for methoxychlor associated with batch 83482 recovered above the upper control limit on both the primary and confirmation column.. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. 074SB-0010-0001-SO (240-22804-4).

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. 074SB-0010-0001-SO (240-22804-4).

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 074SB-0010-0001-SO (240-22804-4) 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 074SB-0010-0001-SO (240-22804-4) have confirmed probable matrix effect for these failures, therefore the data have been qualified and reported.

The opening continuing calibration verification (CCV) for analytical batch 82865 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 074SB-0010-0001-SO (240-22804-4) confirmed probable matrix effect for these failures; therefore the data have been qualified and reported.

The closing continuing calibration verification (CCV) for analytical batch 82857 recovered outside control limits for DDD biased high on both the primary and confirmation columns and biased low for DDT and Methoxychlor on both columns. Multiple analyses of these samples 074SB-0010-0001-SO (240-22804-4) have confirmed probable matrix effect for these failures; therefore the data have been reported.

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

CHLORINATED PESTICIDES

Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 04/08/2013 and analyzed on 04/16/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 80943.

The closing continuing calibration verification (CCV) for methoxychlor associated with batch 82129 recovered above the upper control limits. The sample associated with this CCV 079RN-0317-0001-RN (240-22804-11) were non-detects for the affected analytes; therefore, the data have been reported.

The closing MRL associated with batch 82129 recovered above the upper control limit. The samples associated with this CCV were non-detects079RN-0317-0001-RN (240-22804-11) for the affected analytes; therefore, the data have been reported.

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

limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample 074SB-0010-0001-SO (240-22804-4) 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 04/18/2013.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 074SB-0010-0001-SO (240-22804-4). Lot # s65830.

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

POLYCHLORINATED BIPHENYLS (PCBS)
Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 04/08/2013 and analyzed on 04/15/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 80942.

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

NITROGUANIDINE (HPLC)
Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330_Ngu. The samples were prepared on 04/09/2013 and analyzed on 04/11/2013.

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

EXPLOSIVES
Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for explosives in accordance with EPA SW-846 Method 8330B. The samples were prepared on 04/09/2013 and analyzed on 04/19/2013 and 04/26/2013.

Tetryl was detected in method blank MB 320-13877/1-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 analysis. All other quality control parameters were within the acceptance limits.

NITROAROMATICS AND NITRAMINES (HPLC)
Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 04/08/2013 and analyzed on 04/29/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 320-13819.

Compound 3,4-Dinitrotoluene eluted outside the retention time window on the Zorbax CN column for the following sample(s): (MB 320-13877/1-A). This retention time shift was taken into account when reviewing the sample(s) for target compounds.

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

TOTAL METALS (ICPMS)
Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 04/17/2013 and analyzed on 05/07/2013.

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 blank MB 180-69392/1-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. Refer to the QC report for details.

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

TOTAL RECOVERABLE METALS (ICPMS)
Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 04/25/2013 and analyzed on 05/07/2013.

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.

Lead was detected in method blank MB 180-70060/1-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 metals analysis. All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - DOD

Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for Total Mercury - DOD in accordance with EPA SW-846 Method 7470A. The samples were prepared on 04/05/2013 and analyzed on 04/09/2013.

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

MERCURY

Sample 074SB-0010-0001-SO (240-22804-4) was analyzed for mercury in accordance with EPA SW-846 Method 7471A DOD. The samples were prepared on 04/17/2013 and analyzed on 04/19/2013.

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

NITROCELLULOSE

Sample 074SB-0010-0001-SO (240-22804-4) was 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 analysis. All quality control parameters were within the acceptance limits.

NITROCELLULOSE

Sample 079RN-0317-0001-RN (240-22804-11) was analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared and analyzed on 04/10/2013.

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

PERCENT SOLIDS

Samples 074SB-0013-0001-SO (240-22804-2), 074SB-0015-0001-SO (240-22804-3), 074SB-0010-0001-SO (240-22804-4), 074SB-0012-0001-SO (240-22804-5), 074SB-0023-0001-SO (240-22804-6), 074SB-0024-0001-SO (240-22804-7), 074SB-0025-0001-SO (240-22804-8), 074SB-0026-0001-SO (240-22804-9) and 074SB-0027-0001-SO (240-22804-10) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/05/2013.

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.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Analysis Batch Number: 81609

Lab Sample ID: STD5 240-81609/2 IC Client Sample ID:

Date Analyzed: 04/11/13 18:04 Lab File ID: 30411002.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 08:39
Pyridine	3.13	Poor Chromatography	gruberj	04/12/13 08:39
Benzoic acid	6.77	Poor Chromatography	gruberj	04/12/13 08:39

Lab Sample ID: STD4 240-81609/3 IC Client Sample ID:

Date Analyzed: 04/11/13 18:28 Lab File ID: 30411003.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.60	Poor Chromatography	gruberj	04/12/13 08:40
N-Nitrosodimethylamine	3.08	Poor Chromatography	gruberj	04/12/13 08:40

Lab Sample ID: STD3 240-81609/4 IC Client Sample ID:

Date Analyzed: 04/11/13 18:53 Lab File ID: 30411004.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 08:41
N-Nitrosodimethylamine	3.09	Poor Chromatography	gruberj	04/12/13 08:41

Lab Sample ID: STD2 240-81609/5 IC Client Sample ID:

Date Analyzed: 04/11/13 19:17 Lab File ID: 30411005.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 08:43
N-Nitrosodimethylamine	3.10	Poor Chromatography	gruberj	04/12/13 08:43
Pyridine	3.15	Poor Chromatography	gruberj	04/12/13 08:43
Indeno[1,2,3-cd]pyrene	16.26	Poor Chromatography	gruberj	04/12/13 08:43
Dibenz(a,h)anthracene	16.30	Poor Chromatography	gruberj	04/12/13 08:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Analysis Batch Number: 81609

Lab Sample ID: STD1 240-81609/6 IC Client Sample ID:

Date Analyzed: 04/11/13 19:41 Lab File ID: 30411006.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.26	Poor Chromatography	gruberj	04/12/13 08:44
Dibenz(a,h)anthracene	16.31	Poor Chromatography	gruberj	04/12/13 08:44
Benzo[g,h,i]perylene	16.74	Poor Chromatography	gruberj	04/12/13 08:44

Lab Sample ID: STD9 240-81609/7 IC Client Sample ID:

Date Analyzed: 04/11/13 20:06 Lab File ID: 30411007.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 08:45
N-Nitrosodimethylamine	3.08	Poor Chromatography	gruberj	04/12/13 08:45
Pyridine	3.12	Poor Chromatography	gruberj	04/12/13 08:45

Lab Sample ID: STD8 240-81609/8 IC Client Sample ID:

Date Analyzed: 04/11/13 20:30 Lab File ID: 30411008.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.60	Poor Chromatography	gruberj	04/12/13 08:47
Pyridine	3.12	Poor Chromatography	gruberj	04/12/13 08:47

Lab Sample ID: STD7 240-81609/9 IC Client Sample ID:

Date Analyzed: 04/11/13 20:54 Lab File ID: 30411009.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.60	Poor Chromatography	gruberj	04/12/13 09:18
Pyridine	3.13	Poor Chromatography	gruberj	04/12/13 09:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Analysis Batch Number: 81609

Lab Sample ID: STD6 240-81609/10 ICIS Client Sample ID:

Date Analyzed: 04/11/13 21:19 Lab File ID: 30411010.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 08:22
Pyridine	3.13	Poor Chromatography	gruberj	04/12/13 08:22
Benzoic acid	6.79	Poor Chromatography	gruberj	04/12/13 08:22

Lab Sample ID: ICV 240-81609/11 Client Sample ID:

Date Analyzed: 04/11/13 21:43 Lab File ID: 30411011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.61	Poor Chromatography	gruberj	04/12/13 09:27
N-Nitrosodimethylamine	3.08	Poor Chromatography	gruberj	04/12/13 09:27
Pyridine	3.13	Poor Chromatography	gruberj	04/12/13 09:27
bis (2-chloroisopropyl) ether	6.18	Poor Chromatography	gruberj	04/12/13 09:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Analysis Batch Number: 82293

Lab Sample ID: CCV 240-82293/2 Client Sample ID:

Date Analyzed: 04/17/13 10:26 Lab File ID: 30417002.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.47	Poor Chromatography	gruberj	04/17/13 10:44
Pyridine	2.99	Poor Chromatography	gruberj	04/17/13 10:44

Lab Sample ID: MRL 240-82293/25 Client Sample ID:

Date Analyzed: 04/17/13 19:29 Lab File ID: 30417025.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	6.75	Poor Chromatography	gruberj	04/18/13 10:38

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 04/17/13 19:53 Lab File ID: 30417026.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.18	Poor Chromatography	gruberj	04/18/13 13:38
Dibenz(a,h)anthracene	16.21	Poor Chromatography	gruberj	04/18/13 13:38
Benzo[g,h,i]perylene	16.64	Poor Chromatography	gruberj	04/18/13 13:38

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 04/17/13 20:17 Lab File ID: 30417027.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.49	Poor Chromatography	gruberj	04/18/13 13:34
N-Nitrosodimethylamine	2.94	Poor Chromatography	gruberj	04/18/13 13:34
Pyridine	3.02	Poor Chromatography	gruberj	04/18/13 13:34
Indeno[1,2,3-cd]pyrene	16.18	Poor Chromatography	gruberj	04/18/13 13:34

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Analysis Batch Number: 82293

Lab Sample ID: mdll3 LODV Client Sample ID:

Date Analyzed: 04/17/13 20:40 Lab File ID: 30417028.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.48	Poor Chromatography	gruberj	04/18/13 10:43
N-Nitrosodimethylamine	2.95	Poor Chromatography	gruberj	04/18/13 10:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 83126

Lab Sample ID: CCV 240-83126/2 Client Sample ID:

Date Analyzed: 04/23/13 09:51 Lab File ID: 30423002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.41	Poor Chromatography	ulmanm	04/23/13 10:19
N-Nitrosodimethylamine	3.89	Poor Chromatography	ulmanm	04/23/13 10:19
Pyridine	3.96	Poor Chromatography	ulmanm	04/23/13 10:19
Benzoic acid	7.51	Poor Chromatography	ulmanm	04/23/13 10:19

Lab Sample ID: MRL 240-83126/3 Client Sample ID:

Date Analyzed: 04/23/13 10:17 Lab File ID: 30423003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.49	Poor Chromatography	ulmanm	04/23/13 10:46

Lab Sample ID: 240-22804-7 Client Sample ID: 074SB-0024-0001-SO

Date Analyzed: 04/23/13 16:44 Lab File ID: 30423018.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.36	Poor Chromatography	ulmanm	04/24/13 08:19
Indeno[1,2,3-cd]pyrene	17.22	Poor Chromatography	ulmanm	04/24/13 08:19

Lab Sample ID: 240-22804-8 Client Sample ID: 074SB-0025-0001-SO

Date Analyzed: 04/23/13 17:10 Lab File ID: 30423019.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	14.32	Poor Chromatography	ulmanm	04/24/13 08:22
Benzo[k]fluoranthene	14.36	Poor Chromatography	ulmanm	04/24/13 08:22
Dibenz(a,h)anthracene	17.20	Poor Chromatography	ulmanm	04/24/13 08:22
Benzo[g,h,i]perylene	17.91	Poor Chromatography	ulmanm	04/24/13 08:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 83126

Lab Sample ID: 240-22804-9 Client Sample ID: 074SB-0026-0001-SO

Date Analyzed: 04/23/13 17:36 Lab File ID: 30423020.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.47	Poor Chromatography	ulmanm	04/24/13 08:24
Benzo[b]fluoranthene	14.33	Poor Chromatography	ulmanm	04/24/13 08:24
Benzo[k]fluoranthene	14.37	Poor Chromatography	ulmanm	04/24/13 08:24

Lab Sample ID: 240-22804-6 Client Sample ID: 074SB-0023-0001-SO

Date Analyzed: 04/23/13 18:01 Lab File ID: 30423021.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.37	Poor Chromatography	ulmanm	04/24/13 08:28
Benzo[g,h,i]perylene	17.92	Poor Chromatography	ulmanm	04/24/13 08:28

Lab Sample ID: MRL 240-83126/22 Client Sample ID:

Date Analyzed: 04/23/13 18:27 Lab File ID: 30423022.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.50	Poor Chromatography	ulmanm	04/24/13 08:32

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 04/23/13 18:53 Lab File ID: 30423023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	17.91	Poor Chromatography	ulmanm	04/24/13 08:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 83126

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 04/23/13 19:19 Lab File ID: 30423024.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	3.90	Poor Chromatography	ulmanm	04/24/13 08:39
Pyridine	3.97	Poor Chromatography	ulmanm	04/24/13 08:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 83882

Lab Sample ID: CCV 240-83882/2 Client Sample ID:

Date Analyzed: 04/28/13 15:12 Lab File ID: 30428002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.46	Poor Chromatography	ulmanm	04/28/13 15:43

Lab Sample ID: MRL 240-83882/3 Client Sample ID:

Date Analyzed: 04/28/13 15:38 Lab File ID: 30428003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.45	Poor Chromatography	ulmanm	04/28/13 16:03

Lab Sample ID: MRL 240-83882/13 Client Sample ID:

Date Analyzed: 04/28/13 19:57 Lab File ID: 30428013.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.44	Poor Chromatography	ulmanm	04/29/13 10:02

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 04/28/13 20:23 Lab File ID: 30428014.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	17.01	Poor Chromatography	ulmanm	04/29/13 10:14
Dibenz(a,h)anthracene	17.02	Poor Chromatography	ulmanm	04/29/13 10:14
Benzo[g,h,i]perylene	17.70	Poor Chromatography	ulmanm	04/29/13 10:14

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 04/28/13 20:48 Lab File ID: 30428015.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.87	Poor Chromatography	ulmanm	04/29/13 10:20

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 83882

Lab Sample ID: mdll3 LODV Client Sample ID:

Date Analyzed: 04/28/13 21:14 Lab File ID: 30428016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.42	Poor Chromatography	ulmanm	04/29/13 10:26

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP5R Analysis Batch Number: 82321

Lab Sample ID: 240-22804-9 Client Sample ID: 074SB-0026-0001-SO

Date Analyzed: 04/17/13 23:28 Lab File ID: P5B17020.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.55	Baseline Event	bolgrind	04/18/13 10:56

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP6F Analysis Batch Number: 82537

Lab Sample ID: 240-22804-6 Client Sample ID: 074SB-0023-0001-SO

Date Analyzed: 04/19/13 02:57 Lab File ID: P6F18024.D GC Column: RTX-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.76	Baseline Event	bolgrind	04/19/13 11:21

Lab Sample ID: 240-22804-8 Client Sample ID: 074SB-0025-0001-SO

Date Analyzed: 04/19/13 04:00 Lab File ID: P6F18026.D GC Column: RTX-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.76	Baseline Event	shockr	04/22/13 13:22

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82129

Lab Sample ID: PEM 240-82129/4 Client Sample ID:

Date Analyzed: 04/16/13 13:17 Lab File ID: P3041604.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	4.10	Baseline Event	shockr	04/16/13 13:54

Lab Sample ID: CCV 240-82129/10 Client Sample ID:

Date Analyzed: 04/16/13 15:18 Lab File ID: P3041610.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	04/16/13 16:16
Toxaphene Peak 2	10.96	Baseline Event	shockr	04/16/13 16:16
Toxaphene Peak 3	11.38	Baseline Event	shockr	04/16/13 16:16
Toxaphene Peak 4	12.12	Baseline Event	shockr	04/16/13 16:16
Toxaphene Peak 5	12.68	Baseline Event	shockr	04/16/13 16:16

Lab Sample ID: CCV 240-82129/46 Client Sample ID:

Date Analyzed: 04/17/13 03:24 Lab File ID: P3041646.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	04/17/13 10:35
Toxaphene Peak 2	10.61	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 3	10.76	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 4	11.18	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 5	11.45	Baseline Event	shockr	04/17/13 10:35

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82129

Lab Sample ID: CCV 240-82129/46 Client Sample ID:

Date Analyzed: 04/17/13 03:24 Lab File ID: P3041646.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	04/17/13 10:35
Toxaphene Peak 2	10.95	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 3	11.38	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 4	12.12	Baseline Event	shockr	04/17/13 10:35
Toxaphene Peak 5	12.68	Baseline Event	shockr	04/17/13 10:35

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82857

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.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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-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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

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

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.: 240-22804-1

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: 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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83482

Lab Sample ID: PEM 240-83482/4 Client Sample ID:

Date Analyzed: 04/25/13 08:56 Lab File ID: P3042504.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	10.40	Split Peak	shockr	04/25/13 09:20

Lab Sample ID: CCV 240-83482/21 Client Sample ID:

Date Analyzed: 04/25/13 14:39 Lab File ID: P3042521.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 15:06
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/25/13 15:06
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/25/13 15:06
Toxaphene Peak 4	12.08	Baseline Event	shockr	04/25/13 15:06
Toxaphene Peak 5	12.64	Baseline Event	shockr	04/25/13 15:06

Lab Sample ID: MRL 240-83482/23 Client Sample ID:

Date Analyzed: 04/25/13 15:20 Lab File ID: P3042523.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dieldrin	8.31	Baseline Event	vandorenc	04/26/13 16:00

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 81995

Lab Sample ID: MRL 240-81995/17 Client Sample ID:

Date Analyzed: 04/15/13 17:54 Lab File ID: P4000017.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	04/16/13 08:56
PCB-1260 Peak 2	5.17	Split Peak	hassl	04/16/13 08:56
PCB-1260 Peak 3	5.54	Split Peak	hassl	04/16/13 08:56
PCB-1260 Peak 4	6.23	Split Peak	hassl	04/16/13 08:56
PCB-1260 Peak 5	6.61	Split Peak	hassl	04/16/13 08:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Instrument ID: LC11 Analysis Batch Number: 1385

Lab Sample ID: STD01 320-1385/2 IC Client Sample ID:

Date Analyzed: 04/30/12 14:52 Lab File ID: M-002.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.95	Split Peak	noonanr	08/27/12 15:40

Lab Sample ID: STD02 320-1385/3 IC Client Sample ID:

Date Analyzed: 04/30/12 15:49 Lab File ID: M-003.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.94	Split Peak	noonanr	08/27/12 15:42

Lab Sample ID: STD03 320-1385/4 IC Client Sample ID:

Date Analyzed: 04/30/12 16:46 Lab File ID: M-004.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.93	Split Peak	noonanr	08/27/12 15:44

Lab Sample ID: STD04 320-1385/5 IC Client Sample ID:

Date Analyzed: 04/30/12 17:43 Lab File ID: M-005.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.93	Split Peak	noonanr	08/27/12 15:48

Lab Sample ID: STD08 320-1385/9 IC Client Sample ID:

Date Analyzed: 04/30/12 21:31 Lab File ID: M-009.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.75	Split Peak	noonanr	08/27/12 16:02

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Instrument ID: LC11 Analysis Batch Number: 1385

Lab Sample ID: LODV 320-1385/11 Client Sample ID:

Date Analyzed: 04/30/12 23:25 Lab File ID: M-011.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.93	Split Peak	noonanr	08/27/12 16:05

Lab Sample ID: ICV 320-1385/13 Client Sample ID:

Date Analyzed: 05/01/12 10:50 Lab File ID: I-003.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	25.91	Split Peak	noonanr	08/27/12 16:13

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Instrument ID: LC12 Analysis Batch Number: 14998

Lab Sample ID: MB 320-13877/1-A Client Sample ID:

Date Analyzed: 04/26/13 10:34 Lab File ID: X000061.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	38.59	Split Peak	noonanr	04/26/13 12:16

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-22804-2	074SB-0013-0001-SO	Solid	04/02/2013 1737	04/04/2013 0800
240-22804-3	074SB-0015-0001-SO	Solid	04/02/2013 1740	04/04/2013 0800
240-22804-4	074SB-0010-0001-SO	Solid	04/03/2013 1140	04/04/2013 0800
240-22804-5	074SB-0012-0001-SO	Solid	04/03/2013 1231	04/04/2013 0800
240-22804-6	074SB-0023-0001-SO	Solid	04/02/2013 1625	04/04/2013 0800
240-22804-7	074SB-0024-0001-SO	Solid	04/02/2013 1650	04/04/2013 0800
240-22804-8	074SB-0025-0001-SO	Solid	04/02/2013 1735	04/04/2013 0800
240-22804-9	074SB-0026-0001-SO	Solid	04/03/2013 1134	04/04/2013 0800
240-22804-10	074SB-0027-0001-SO	Solid	04/03/2013 1205	04/04/2013 0800
240-22804-11	079RN-0317-0001-RN	Water	04/03/2013 1500	04/04/2013 0800
240-22804-12	079-0318-0001-TB	Water	04/03/2013 0800	04/04/2013 0800

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-2	**074SB-0013-0001-SO**					
Bis(2-ethylhexyl) phthalate		23	J	83	ug/Kg	8270C/DoD
Di-n-butyl phthalate		34	J	83	ug/Kg	8270C/DoD
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-22804-3	**074SB-0015-0001-SO**					
Di-n-butyl phthalate		30	J	83	ug/Kg	8270C/DoD
Fluoranthene		7.3	J	7.9	ug/Kg	8270C/DoD
2-Methylnaphthalene		15		7.9	ug/Kg	8270C/DoD
Naphthalene		11		7.9	ug/Kg	8270C/DoD
Pyrene		4.0	J	7.9	ug/Kg	8270C/DoD
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-22804-4	**074SB-0010-0001-SO**					
Bis(2-ethylhexyl) phthalate		120	H	82	ug/Kg	8270C/DoD
Silver		0.037	J	0.12	mg/Kg	6020/DOD
Aluminum		12000		3.5	mg/Kg	6020/DOD
Arsenic		8.2		0.12	mg/Kg	6020/DOD
Barium		67	Q	1.2	mg/Kg	6020/DOD
Beryllium		0.60	Q	0.12	mg/Kg	6020/DOD
Calcium		32000		12	mg/Kg	6020/DOD
Cadmium		0.20		0.12	mg/Kg	6020/DOD
Chromium		19		0.24	mg/Kg	6020/DOD
Cobalt		12	Q	0.059	mg/Kg	6020/DOD
Copper		18	Q	0.24	mg/Kg	6020/DOD
Iron		24000		5.9	mg/Kg	6020/DOD
Magnesium		8000		12	mg/Kg	6020/DOD
Manganese		350	Q	0.59	mg/Kg	6020/DOD
Sodium		120		12	mg/Kg	6020/DOD
Nickel		28		0.12	mg/Kg	6020/DOD
Lead		11	Q	0.12	mg/Kg	6020/DOD
Thallium		0.19		0.12	mg/Kg	6020/DOD
Vanadium		20		0.12	mg/Kg	6020/DOD
Zinc		52	Q	0.59	mg/Kg	6020/DOD
Potassium		2200		12	mg/Kg	6020/DOD
Selenium		0.26	J	0.59	mg/Kg	6020/DOD
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-5	**074SB-0012-0001-SO**					
Bis(2-ethylhexyl) phthalate		49	J H	84	ug/Kg	8270C/DoD
Di-n-butyl phthalate		31	J H	84	ug/Kg	8270C/DoD
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-22804-6	**074SB-0023-0001-SO**					
Acenaphthene		85	D	41	ug/Kg	8270C/DoD
Anthracene		160	D	41	ug/Kg	8270C/DoD
Benzo[a]anthracene		260	D	41	ug/Kg	8270C/DoD
Benzo[a]pyrene		180	D	41	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		260	D	41	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		120	D M	41	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		87	D M	41	ug/Kg	8270C/DoD
Chrysene		330	D	41	ug/Kg	8270C/DoD
Dibenzofuran		56	J D	310	ug/Kg	8270C/DoD
Fluoranthene		670	D	41	ug/Kg	8270C/DoD
Fluorene		90	D	41	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		96	D	41	ug/Kg	8270C/DoD
Phenanthrene		330	D	41	ug/Kg	8270C/DoD
Pyrene		570	D	41	ug/Kg	8270C/DoD
C10-C20		56		21	mg/Kg	8015B_DRO/DOD
C20-C34		220	M	21	mg/Kg	8015B_DRO/DOD
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-7	**074SB-0024-0001-SO**					
Acenaphthene		8.7		7.9	ug/Kg	8270C/DoD
Anthracene		12		7.9	ug/Kg	8270C/DoD
Benzo[a]anthracene		48		7.9	ug/Kg	8270C/DoD
Benzo[a]pyrene		39		7.9	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		60		7.9	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		34		7.9	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		22	M	7.9	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		66	J	83	ug/Kg	8270C/DoD
Chrysene		49		7.9	ug/Kg	8270C/DoD
Di-n-butyl phthalate		34	J	83	ug/Kg	8270C/DoD
Fluoranthene		100		7.9	ug/Kg	8270C/DoD
Fluorene		13		7.9	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		26	M	7.9	ug/Kg	8270C/DoD
2-Methylnaphthalene		5.5	J	7.9	ug/Kg	8270C/DoD
Naphthalene		6.3	J	7.9	ug/Kg	8270C/DoD
Phenanthrene		61		7.9	ug/Kg	8270C/DoD
Pyrene		86		7.9	ug/Kg	8270C/DoD
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-8	**074SB-0025-0001-SO**					
Acenaphthene		51		8.4	ug/Kg	8270C/DoD
Acenaphthylene		9.9		8.4	ug/Kg	8270C/DoD
Anthracene		90		8.4	ug/Kg	8270C/DoD
Benzo[a]anthracene		110		8.4	ug/Kg	8270C/DoD
Benzo[a]pyrene		100		8.4	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		150	M	8.4	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		80	M	8.4	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		55	M	8.4	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		34	J	88	ug/Kg	8270C/DoD
Carbazole		35	J	63	ug/Kg	8270C/DoD
Chrysene		120		8.4	ug/Kg	8270C/DoD
Dibenz(a,h)anthracene		20	M	8.4	ug/Kg	8270C/DoD
Dibenzofuran		78		63	ug/Kg	8270C/DoD
Di-n-butyl phthalate		33	J	88	ug/Kg	8270C/DoD
Fluoranthene		310		8.4	ug/Kg	8270C/DoD
Fluorene		93		8.4	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		66		8.4	ug/Kg	8270C/DoD
2-Methylnaphthalene		51		8.4	ug/Kg	8270C/DoD
Naphthalene		30		8.4	ug/Kg	8270C/DoD
Phenanthrene		170		8.4	ug/Kg	8270C/DoD
Pyrene		270		8.4	ug/Kg	8270C/DoD
C10-C20		210		21	mg/Kg	8015B_DRO/DOD
C20-C34		230	M	21	mg/Kg	8015B_DRO/DOD
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-9	**074SB-0026-0001-SO**					
Acenaphthene		21		8.4	ug/Kg	8270C/DoD
Anthracene		48		8.4	ug/Kg	8270C/DoD
Benzo[a]anthracene		98		8.4	ug/Kg	8270C/DoD
Benzo[a]pyrene		74		8.4	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		130	M	8.4	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		63		8.4	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		35	M	8.4	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		46	J	88	ug/Kg	8270C/DoD
Chrysene		110		8.4	ug/Kg	8270C/DoD
Dibenzofuran		34	J	63	ug/Kg	8270C/DoD
Di-n-butyl phthalate		34	J	88	ug/Kg	8270C/DoD
Fluoranthene		280		8.4	ug/Kg	8270C/DoD
Fluorene		46		8.4	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		53		8.4	ug/Kg	8270C/DoD
2-Methylnaphthalene		9.7		8.4	ug/Kg	8270C/DoD
Naphthalene		10		8.4	ug/Kg	8270C/DoD
Phenanthrene		79		8.4	ug/Kg	8270C/DoD
Pyrene		240		8.4	ug/Kg	8270C/DoD
C20-C34		54	M	21	mg/Kg	8015B_DRO/DOD
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-22804-10	**074SB-0027-0001-SO**					
Bis(2-ethylhexyl) phthalate		26	J	82	ug/Kg	8270C/DoD
Di-n-butyl phthalate		33	J	82	ug/Kg	8270C/DoD
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-22804-11	**079RN-0317-0001-RN**					
Chloroform		0.34	J	1.0	ug/L	8260B/DoD
Total Recoverable						
Aluminum		4.5	J	30	ug/L	6020/DOD
Calcium		23	J	100	ug/L	6020/DOD
Chromium		3.2		2.0	ug/L	6020/DOD
Cobalt		0.082	J Q	0.50	ug/L	6020/DOD
Copper		0.41	J Q	2.0	ug/L	6020/DOD
Manganese		0.74	J Q	5.0	ug/L	6020/DOD
Sodium		65	J	100	ug/L	6020/DOD
Nickel		5.9		1.0	ug/L	6020/DOD
Lead		0.59	J Q	1.0	ug/L	6020/DOD
Zinc		3.2	J Q	5.0	ug/L	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22804-12	**079-0318-0001-TB**					
Acetone		5.1	J	10	ug/L	8260B/DoD
Methylene Chloride		1.1		1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015B_DRO/DOD	
Soxhlet Extraction	TAL CAN		SW846 3540C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081/DOD	
Soxhlet Extraction	TAL CAN		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082/DOD	
Soxhlet Extraction	TAL CAN		SW846 3540C
Mercury (CVAA)	TAL CAN	SW846 7471/DOD	
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
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270C/DoD	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015B_DRO/DOD	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081/DOD	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082/DOD	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Mercury (CVAA)	TAL CAN	SW846 7470A/DOD	
Preparation, Mercury	TAL CAN		SW846 7470A
Metals (ICP/MS)	TAL PIT	SW846 6020/DOD	
Preparation, Total Recoverable or Dissolved Metals	TAL PIT		SW846 3005A
Nitroguanidine (HPLC)	TAL SAC	SW846 8330 Modified	
Sample Filtration	TAL SAC		Filtration
Nitroaromatics and Nitramines (HPLC)	TAL SAC	SW846 8330B	
Solid-Phase Extraction (Explosives)	TAL SAC		SW846 8330-Prep

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
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)

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL SAC = TestAmerica Sacramento

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: 240-22804-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Macenczak, Steven	SM
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Gruber, John	JG
SW846 8270C/DoD	Ulman, Mark	MU
SW846 8015B_DRO/DOD	Bolgrin, Deborah	DB
SW846 8081/DOD	Shock, Ray	RS
SW846 8082/DOD	Hass, Lori	LH
SW846 6020/DOD	Reinheimer, Bill	BR
SW846 7470A/DOD	Sutherland, Aaron	AS
SW846 7471/DOD	Sutherland, Aaron	AS
EPA Moisture	Kuhle, Julie	JK
TAL-SAC WS-WC-0050	Stredny, Joseph	JS
SW846 8330 Modified	Russell, Karen	kr
SW846 8330B	Noonan, Robyn	RN

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-81012	Lab File ID:	141849.D
Dilution:	1.0			Initial Weight/Volume:	6.371 g
Analysis Date:	04/08/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	04/04/2013 1800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
2-Butanone (MEK)		1.9	U	1.3	19
2-Hexanone		0.93	U	0.58	19
4-Methyl-2-pentanone (MIBK)		0.93	U	0.50	19

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	35	Q	85 - 120
Dibromofluoromethane (Surr)	61		59 - 138
1,2-Dichloroethane-d4 (Surr)	76		61 - 130
Toluene-d8 (Surr)	54	Q	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-81930	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-81012	Lab File ID:	142037.D
Dilution:	1.0			Initial Weight/Volume:	6.491 g
Analysis Date:	04/15/2013 1536			Final Weight/Volume:	5 mL
Prep Date:	04/04/2013 1800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		5.7	U	5.7	18
Benzene		0.45	U	0.21	4.5
Bromochloromethane		0.91	U	0.64	4.5
Bromodichloromethane		0.45	U	0.25	4.5
Bromoform		0.45	U	0.30	4.5
Bromomethane		0.91	U	0.49	4.5
Carbon disulfide		0.45	U	0.40	4.5
Carbon tetrachloride		0.45	U	0.34	4.5
Chlorobenzene		0.45	U	0.30	4.5
Chloroethane		0.91	U	0.78	4.5
Chloroform		0.45	U	0.26	4.5
Chloromethane		0.45	U	0.37	4.5
cis-1,3-Dichloropropene		0.45	U	0.31	4.5
Dibromochloromethane		0.91	U	0.50	4.5
1,2-Dibromoethane		0.91	U	0.45	4.5
1,1-Dichloroethane		0.45	U	0.33	4.5
1,2-Dichloroethane		0.45	U	0.31	4.5
1,1-Dichloroethene		0.91	U	0.47	4.5
1,2-Dichloroethene, Total		0.91	U	0.70	9.1
1,2-Dichloropropane		0.91	U	0.63	4.5
Ethylbenzene		0.45	U	0.24	4.5
Methylene Chloride		0.91	U	0.61	4.5
Styrene		0.45	U	0.14	4.5
1,1,2,2-Tetrachloroethane		0.45	U	0.31	4.5
Tetrachloroethene		0.91	U	0.47	4.5
Toluene		0.45	U	0.25	4.5
trans-1,3-Dichloropropene		0.91	U	0.49	4.5
1,1,1-Trichloroethane		0.91	U	0.51	4.5
1,1,2-Trichloroethane		0.45	U	0.35	4.5
Trichloroethene		0.45	U	0.38	4.5
Vinyl chloride		0.45	U	0.35	4.5
Xylenes, Total		1.4	U	0.61	9.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		85 - 120
Dibromofluoromethane (Surr)	83		59 - 138
1,2-Dichloroethane-d4 (Surr)	102		61 - 130
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 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:	UXR3294.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1709			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1709				

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	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
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	0.50	U	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	0.34	J	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)	87		85 - 120
1,2-Dichloroethane-d4 (Surr)	96		70 - 120
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079-0318-0001-TB**

Lab Sample ID: 240-22804-12 Date Sampled: 04/03/2013 0800
Client Matrix: Water Date Received: 04/04/2013 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:	UXR3295.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1731			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1731				

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	5.1	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	1.1		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)	85		85 - 120
1,2-Dichloroethane-d4 (Surr)	96		70 - 120
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0013-0001-SO**

Lab Sample ID: 240-22804-2 Date Sampled: 04/02/2013 1737
Client Matrix: Solid % Moisture: 16.0 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423014.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	04/23/2013 1501			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.9	U	3.9	7.9
Acenaphthylene		3.9	U	3.9	7.9
Anthracene		3.9	U	3.9	7.9
Benzo[a]anthracene		3.9	U	3.9	7.9
Benzo[a]pyrene		3.9	U	3.9	7.9
Benzo[b]fluoranthene		3.9	U	3.9	7.9
Benzo[g,h,i]perylene		3.9	U	3.9	7.9
Benzoic acid		400	U	400	780
Benzo[k]fluoranthene		3.9	U	3.9	7.9
Benzyl alcohol		32	U	25	390
Bis(2-chloroethoxy)methane		32	U	26	120
Bis(2-chloroethyl)ether		3.9	U	2.4	120
bis (2-chloroisopropyl) ether		32	U	11	120
Bis(2-ethylhexyl) phthalate		23	J	23	83
4-Bromophenyl phenyl ether		32	U	15	59
Butyl benzyl phthalate		32	U	12	83
Carbazole		32	U	32	59
4-Chloroaniline		32	U	20	180
4-Chloro-3-methylphenol		32	U	25	180
2-Chloronaphthalene		3.9	U	3.9	59
2-Chlorophenol		32	U	32	59
4-Chlorophenyl phenyl ether		32	U	15	59
Chrysene		3.9	U	1.3	7.9
Dibenz(a,h)anthracene		3.9	U	3.9	7.9
Dibenzofuran		3.9	U	3.9	59
1,2-Dichlorobenzene		32	U	12	59
1,3-Dichlorobenzene		32	U	13	59
1,4-Dichlorobenzene		32	U	24	59
3,3'-Dichlorobenzidine		95	U	21	120
2,4-Dichlorophenol		32	U	24	180
Diethyl phthalate		32	U	19	83
2,4-Dimethylphenol		95	U	24	180
Dimethyl phthalate		32	U	20	83
Di-n-butyl phthalate		34	J	18	83
4,6-Dinitro-2-methylphenol		95	U	95	180
2,4-Dinitrophenol		95	U	95	390
2,4-Dinitrotoluene		32	U	32	240
2,6-Dinitrotoluene		32	U	25	240
Di-n-octyl phthalate		32	U	32	83
Fluoranthene		3.9	U	3.9	7.9
Fluorene		3.9	U	3.9	7.9
Hexachlorobenzene		3.9	U	2.5	7.9
Hexachlorobutadiene		32	U	32	59
Hexachlorocyclopentadiene		32	U	32	390
Hexachloroethane		32	U	11	59
Indeno[1,2,3-cd]pyrene		3.9	U	3.9	7.9

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0013-0001-SO**

Lab Sample ID: 240-22804-2 Date Sampled: 04/02/2013 1737
Client Matrix: Solid % Moisture: 16.0 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423014.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	04/23/2013 1501			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U	15	59
2-Methylnaphthalene		3.9	U	3.9	7.9
2-Methylphenol		95	U	95	240
3 & 4 Methylphenol		95	U	24	480
Naphthalene		3.9	U	3.9	7.9
2-Nitroaniline		32	U	11	240
3-Nitroaniline		95	U	19	240
4-Nitroaniline		32	U	31	240
Nitrobenzene		3.9	U	2.6	120
2-Nitrophenol		32	U	32	59
4-Nitrophenol		95	U	95	390
N-Nitrosodi-n-propylamine		32	U	32	59
N-Nitrosodiphenylamine		32	U	25	59
Pentachlorophenol		95	U	95	180
Phenanthrene		3.9	U	3.9	7.9
Phenol		32	U	32	59
Pyrene		3.9	U	3.9	7.9
1,2,4-Trichlorobenzene		32	U	32	59
2,4,5-Trichlorophenol		32	U	30	180
2,4,6-Trichlorophenol		95	U	95	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	64		35 - 100
Phenol-d5 (Surr)	76		40 - 100
Terphenyl-d14 (Surr)	61		30 - 125
2,4,6-Tribromophenol (Surr)	36		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0015-0001-SO**

Lab Sample ID: 240-22804-3 Date Sampled: 04/02/2013 1740
Client Matrix: Solid % Moisture: 15.9 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423013.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Analysis Date:	04/23/2013 1435			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.9	U	3.9	7.9
Acenaphthylene		3.9	U	3.9	7.9
Anthracene		3.9	U	3.9	7.9
Benzo[a]anthracene		3.9	U	3.9	7.9
Benzo[a]pyrene		3.9	U	3.9	7.9
Benzo[b]fluoranthene		3.9	U	3.9	7.9
Benzo[g,h,i]perylene		3.9	U	3.9	7.9
Benzoic acid		390	U	390	780
Benzo[k]fluoranthene		3.9	U	3.9	7.9
Benzyl alcohol		32	U	25	390
Bis(2-chloroethoxy)methane		32	U	26	120
Bis(2-chloroethyl)ether		3.9	U	2.4	120
bis (2-chloroisopropyl) ether		32	U	11	120
Bis(2-ethylhexyl) phthalate		32	U	23	83
4-Bromophenyl phenyl ether		32	U	15	59
Butyl benzyl phthalate		32	U	12	83
Carbazole		32	U	32	59
4-Chloroaniline		32	U	20	180
4-Chloro-3-methylphenol		32	U	25	180
2-Chloronaphthalene		3.9	U	3.9	59
2-Chlorophenol		32	U	32	59
4-Chlorophenyl phenyl ether		32	U	15	59
Chrysene		3.9	U	1.3	7.9
Dibenz(a,h)anthracene		3.9	U	3.9	7.9
Dibenzofuran		3.9	U	3.9	59
1,2-Dichlorobenzene		32	U	12	59
1,3-Dichlorobenzene		32	U	13	59
1,4-Dichlorobenzene		32	U	24	59
3,3'-Dichlorobenzidine		95	U	21	120
2,4-Dichlorophenol		32	U	24	180
Diethyl phthalate		32	U	19	83
2,4-Dimethylphenol		95	U	24	180
Dimethyl phthalate		32	U	20	83
Di-n-butyl phthalate		30	J	18	83
4,6-Dinitro-2-methylphenol		95	U	95	180
2,4-Dinitrophenol		95	U	95	390
2,4-Dinitrotoluene		32	U	32	240
2,6-Dinitrotoluene		32	U	25	240
Di-n-octyl phthalate		32	U	32	83
Fluoranthene		7.3	J	3.9	7.9
Fluorene		3.9	U	3.9	7.9
Hexachlorobenzene		3.9	U	2.5	7.9
Hexachlorobutadiene		32	U	32	59
Hexachlorocyclopentadiene		32	U	32	390
Hexachloroethane		32	U	11	59
Indeno[1,2,3-cd]pyrene		3.9	U	3.9	7.9

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0015-0001-SO**

Lab Sample ID: 240-22804-3 Date Sampled: 04/02/2013 1740
Client Matrix: Solid % Moisture: 15.9 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423013.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Analysis Date:	04/23/2013 1435			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U	15	59
2-Methylnaphthalene		15		3.9	7.9
2-Methylphenol		95	U	95	240
3 & 4 Methylphenol		95	U	24	470
Naphthalene		11		3.9	7.9
2-Nitroaniline		32	U	11	240
3-Nitroaniline		95	U	19	240
4-Nitroaniline		32	U	31	240
Nitrobenzene		3.9	U	2.6	120
2-Nitrophenol		32	U	32	59
4-Nitrophenol		95	U	95	390
N-Nitrosodi-n-propylamine		32	U	32	59
N-Nitrosodiphenylamine		32	U	25	59
Pentachlorophenol		95	U	95	180
Phenanthrene		3.9	U	3.9	7.9
Phenol		32	U	32	59
Pyrene		4.0	J	3.9	7.9
1,2,4-Trichlorobenzene		32	U	32	59
2,4,5-Trichlorophenol		32	U	30	180
2,4,6-Trichlorophenol		95	U	95	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	70		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	74		40 - 100
Terphenyl-d14 (Surr)	60		30 - 125
2,4,6-Tribromophenol (Surr)	39		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-83486	Lab File ID:	30428011.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Analysis Date:	04/28/2013 1905			Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.9	U H	3.9	7.8
Acenaphthylene		3.9	U H	3.9	7.8
Anthracene		3.9	U H	3.9	7.8
Benzo[a]anthracene		3.9	U H	3.9	7.8
Benzo[a]pyrene		3.9	U H	3.9	7.8
Benzo[b]fluoranthene		3.9	U H	3.9	7.8
Benzo[g,h,i]perylene		3.9	U H	3.9	7.8
Benzoic acid		390	U H	390	770
Benzo[k]fluoranthene		3.9	U H	3.9	7.8
Benzyl alcohol		32	U H	25	390
Bis(2-chloroethoxy)methane		32	U H	26	120
Bis(2-chloroethyl)ether		3.9	U H	2.3	120
bis (2-chloroisopropyl) ether		32	U H	11	120
Bis(2-ethylhexyl) phthalate		120	H	22	82
4-Bromophenyl phenyl ether		32	U H	15	58
Butyl benzyl phthalate		32	U H	12	82
Carbazole		32	U H	32	58
4-Chloroaniline		32	U H	20	180
4-Chloro-3-methylphenol		32	U H	25	180
2-Chloronaphthalene		3.9	U H	3.9	58
2-Chlorophenol		32	U H	32	58
4-Chlorophenyl phenyl ether		32	U H	15	58
Chrysene		3.9	U H	1.3	7.8
Dibenz(a,h)anthracene		3.9	U H	3.9	7.8
Dibenzofuran		3.9	U H	3.9	58
1,2-Dichlorobenzene		32	U H	11	58
1,3-Dichlorobenzene		32	U H	13	58
1,4-Dichlorobenzene		32	U H	23	58
3,3'-Dichlorobenzidine		93	U H	21	120
2,4-Dichlorophenol		32	U H	23	180
Diethyl phthalate		32	U H	19	82
2,4-Dimethylphenol		93	U H	23	180
Dimethyl phthalate		32	U H	20	82
Di-n-butyl phthalate		32	U H	18	82
4,6-Dinitro-2-methylphenol		93	U H	93	180
2,4-Dinitrophenol		93	U H	93	390
2,4-Dinitrotoluene		32	U H	32	230
2,6-Dinitrotoluene		32	U H	25	230
Di-n-octyl phthalate		32	U H	32	82
Fluoranthene		3.9	U H	3.9	7.8
Fluorene		3.9	U H	3.9	7.8
Hexachlorobenzene		3.9	U H	2.5	7.8
Hexachlorobutadiene		32	U H	32	58
Hexachlorocyclopentadiene		32	U H	32	390
Hexachloroethane		32	U H	11	58
Indeno[1,2,3-cd]pyrene		3.9	U H	3.9	7.8

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-83486	Lab File ID:	30428011.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Analysis Date:	04/28/2013 1905			Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U H	15	58
2-Methylnaphthalene		3.9	U H	3.9	7.8
2-Methylphenol		93	U H	93	230
3 & 4 Methylphenol		93	U H	23	470
Naphthalene		3.9	U H	3.9	7.8
2-Nitroaniline		32	U H	11	230
3-Nitroaniline		93	U H	19	230
4-Nitroaniline		32	U H	30	230
Nitrobenzene		3.9	U H	2.6	120
2-Nitrophenol		32	U H	32	58
4-Nitrophenol		93	U H	93	390
N-Nitrosodi-n-propylamine		32	U H	32	58
N-Nitrosodiphenylamine		32	U H	25	58
Pentachlorophenol		93	U H	93	180
Phenanthrene		3.9	U H	3.9	7.8
Phenol		32	U H	32	58
Pyrene		3.9	U H	3.9	7.8
1,2,4-Trichlorobenzene		32	U H	32	58
2,4,5-Trichlorophenol		32	U H	29	180
2,4,6-Trichlorophenol		93	U H	93	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	72		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	67		35 - 100
Phenol-d5 (Surr)	81		40 - 100
Terphenyl-d14 (Surr)	65		30 - 125
2,4,6-Tribromophenol (Surr)	47		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0012-0001-SO**

Lab Sample ID: 240-22804-5 Date Sampled: 04/03/2013 1231
Client Matrix: Solid % Moisture: 17.7 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-83486	Lab File ID:	30428012.D
Dilution:	1.0			Initial Weight/Volume:	30.32 g
Analysis Date:	04/28/2013 1931			Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		4.0	U H	4.0	8.0
Acenaphthylene		4.0	U H	4.0	8.0
Anthracene		4.0	U H	4.0	8.0
Benzo[a]anthracene		4.0	U H	4.0	8.0
Benzo[a]pyrene		4.0	U H	4.0	8.0
Benzo[b]fluoranthene		4.0	U H	4.0	8.0
Benzo[g,h,i]perylene		4.0	U H	4.0	8.0
Benzoic acid		400	U H	400	790
Benzo[k]fluoranthene		4.0	U H	4.0	8.0
Benzyl alcohol		32	U H	25	400
Bis(2-chloroethoxy)methane		32	U H	26	120
Bis(2-chloroethyl)ether		4.0	U H	2.4	120
bis (2-chloroisopropyl) ether		32	U H	11	120
Bis(2-ethylhexyl) phthalate		49	J H	23	84
4-Bromophenyl phenyl ether		32	U H	16	60
Butyl benzyl phthalate		32	U H	12	84
Carbazole		32	U H	32	60
4-Chloroaniline		32	U H	20	180
4-Chloro-3-methylphenol		32	U H	25	180
2-Chloronaphthalene		4.0	U H	4.0	60
2-Chlorophenol		32	U H	32	60
4-Chlorophenyl phenyl ether		32	U H	16	60
Chrysene		4.0	U H	1.3	8.0
Dibenz(a,h)anthracene		4.0	U H	4.0	8.0
Dibenzofuran		4.0	U H	4.0	60
1,2-Dichlorobenzene		32	U H	12	60
1,3-Dichlorobenzene		32	U H	13	60
1,4-Dichlorobenzene		32	U H	24	60
3,3'-Dichlorobenzidine		96	U H	22	120
2,4-Dichlorophenol		32	U H	24	180
Diethyl phthalate		32	U H	19	84
2,4-Dimethylphenol		96	U H	24	180
Dimethyl phthalate		32	U H	20	84
Di-n-butyl phthalate		31	J H	18	84
4,6-Dinitro-2-methylphenol		96	U H	96	180
2,4-Dinitrophenol		96	U H	96	400
2,4-Dinitrotoluene		32	U H	32	240
2,6-Dinitrotoluene		32	U H	25	240
Di-n-octyl phthalate		32	U H	32	84
Fluoranthene		4.0	U H	4.0	8.0
Fluorene		4.0	U H	4.0	8.0
Hexachlorobenzene		4.0	U H	2.5	8.0
Hexachlorobutadiene		32	U H	32	60
Hexachlorocyclopentadiene		32	U H	32	400
Hexachloroethane		32	U H	11	60
Indeno[1,2,3-cd]pyrene		4.0	U H	4.0	8.0

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0012-0001-SO**

Lab Sample ID: 240-22804-5 Date Sampled: 04/03/2013 1231
Client Matrix: Solid % Moisture: 17.7 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-83486	Lab File ID:	30428012.D
Dilution:	1.0			Initial Weight/Volume:	30.32 g
Analysis Date:	04/28/2013 1931			Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U H	16	60
2-Methylnaphthalene		4.0	U H	4.0	8.0
2-Methylphenol		96	U H	96	240
3 & 4 Methylphenol		96	U H	24	480
Naphthalene		4.0	U H	4.0	8.0
2-Nitroaniline		32	U H	11	240
3-Nitroaniline		96	U H	19	240
4-Nitroaniline		32	U H	31	240
Nitrobenzene		4.0	U H	2.6	120
2-Nitrophenol		32	U H	32	60
4-Nitrophenol		96	U H	96	400
N-Nitrosodi-n-propylamine		32	U H	32	60
N-Nitrosodiphenylamine		32	U H	25	60
Pentachlorophenol		96	U H	96	180
Phenanthrene		4.0	U H	4.0	8.0
Phenol		32	U H	32	60
Pyrene		4.0	U H	4.0	8.0
1,2,4-Trichlorobenzene		32	U H	32	60
2,4,5-Trichlorophenol		32	U H	30	180
2,4,6-Trichlorophenol		96	U H	96	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	71		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	67		35 - 100
Phenol-d5 (Surr)	81		40 - 100
Terphenyl-d14 (Surr)	64		30 - 125
2,4,6-Tribromophenol (Surr)	50		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0023-0001-SO**

Lab Sample ID: 240-22804-6 Date Sampled: 04/02/2013 1625
Client Matrix: Solid % Moisture: 19.4 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423021.D
Dilution:	5.0			Initial Weight/Volume:	30.08 g
Analysis Date:	04/23/2013 1801			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		85	D	20	41
Acenaphthylene		20	U	20	41
Anthracene		160	D	20	41
Benzo[a]anthracene		260	D	20	41
Benzo[a]pyrene		180	D	20	41
Benzo[b]fluoranthene		260	D	20	41
Benzo[g,h,i]perylene		120	D M	20	41
Benzoic acid		2100	U	2100	4100
Benzo[k]fluoranthene		87	D M	20	41
Benzyl alcohol		170	U	130	2000
Bis(2-chloroethoxy)methane		170	U	140	620
Bis(2-chloroethyl)ether		20	U	12	620
bis (2-chloroisopropyl) ether		170	U	59	620
Bis(2-ethylhexyl) phthalate		170	U	120	430
4-Bromophenyl phenyl ether		170	U	80	310
Butyl benzyl phthalate		170	U	62	430
Carbazole		170	U	170	310
4-Chloroaniline		170	U	110	930
4-Chloro-3-methylphenol		170	U	130	930
2-Chloronaphthalene		20	U	20	310
2-Chlorophenol		170	U	170	310
4-Chlorophenyl phenyl ether		170	U	80	310
Chrysene		330	D	6.8	41
Dibenz(a,h)anthracene		20	U	20	41
Dibenzofuran		56	J D	20	310
1,2-Dichlorobenzene		170	U	60	310
1,3-Dichlorobenzene		170	U	68	310
1,4-Dichlorobenzene		170	U	120	310
3,3'-Dichlorobenzidine		500	U	110	620
2,4-Dichlorophenol		170	U	120	930
Diethyl phthalate		170	U	99	430
2,4-Dimethylphenol		500	U	120	930
Dimethyl phthalate		170	U	110	430
Di-n-butyl phthalate		170	U	93	430
4,6-Dinitro-2-methylphenol		500	U	500	930
2,4-Dinitrophenol		500	U	500	2000
2,4-Dinitrotoluene		170	U	170	1200
2,6-Dinitrotoluene		170	U	130	1200
Di-n-octyl phthalate		170	U	170	430
Fluoranthene		670	D	20	41
Fluorene		90	D	20	41
Hexachlorobenzene		20	U	13	41
Hexachlorobutadiene		170	U	170	310
Hexachlorocyclopentadiene		170	U	170	2000
Hexachloroethane		170	U	56	310
Indeno[1,2,3-cd]pyrene		96	D	20	41

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0023-0001-SO**

Lab Sample ID: 240-22804-6 Date Sampled: 04/02/2013 1625
Client Matrix: Solid % Moisture: 19.4 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423021.D
Dilution:	5.0			Initial Weight/Volume:	30.08 g
Analysis Date:	04/23/2013 1801			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		170	U	80	310
2-Methylnaphthalene		20	U	20	41
2-Methylphenol		500	U	500	1200
3 & 4 Methylphenol		500	U	120	2500
Naphthalene		20	U	20	41
2-Nitroaniline		170	U	56	1200
3-Nitroaniline		500	U	99	1200
4-Nitroaniline		170	U	160	1200
Nitrobenzene		20	U	14	620
2-Nitrophenol		170	U	170	310
4-Nitrophenol		500	U	500	2000
N-Nitrosodi-n-propylamine		170	U	170	310
N-Nitrosodiphenylamine		170	U	130	310
Pentachlorophenol		500	U	500	930
Phenanthrene		330	D	20	41
Phenol		170	U	170	310
Pyrene		570	D	20	41
1,2,4-Trichlorobenzene		170	U	170	310
2,4,5-Trichlorophenol		170	U	150	930
2,4,6-Trichlorophenol		500	U	500	930

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		45 - 105
2-Fluorophenol (Surr)	63		35 - 105
Nitrobenzene-d5 (Surr)	57		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	46		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0024-0001-SO**

Lab Sample ID: 240-22804-7 Date Sampled: 04/02/2013 1650
Client Matrix: Solid % Moisture: 15.4 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423018.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	04/23/2013 1644			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.7		3.9	7.9
Acenaphthylene		3.9	U	3.9	7.9
Anthracene		12		3.9	7.9
Benzo[a]anthracene		48		3.9	7.9
Benzo[a]pyrene		39		3.9	7.9
Benzo[b]fluoranthene		60		3.9	7.9
Benzo[g,h,i]perylene		34		3.9	7.9
Benzoic acid		390	U	390	780
Benzo[k]fluoranthene		22	M	3.9	7.9
Benzyl alcohol		32	U	25	390
Bis(2-chloroethoxy)methane		32	U	26	120
Bis(2-chloroethyl)ether		3.9	U	2.4	120
bis (2-chloroisopropyl) ether		32	U	11	120
Bis(2-ethylhexyl) phthalate		66	J	22	83
4-Bromophenyl phenyl ether		32	U	15	59
Butyl benzyl phthalate		32	U	12	83
Carbazole		32	U	32	59
4-Chloroaniline		32	U	20	180
4-Chloro-3-methylphenol		32	U	25	180
2-Chloronaphthalene		3.9	U	3.9	59
2-Chlorophenol		32	U	32	59
4-Chlorophenyl phenyl ether		32	U	15	59
Chrysene		49		1.3	7.9
Dibenz(a,h)anthracene		3.9	U	3.9	7.9
Dibenzofuran		3.9	U	3.9	59
1,2-Dichlorobenzene		32	U	11	59
1,3-Dichlorobenzene		32	U	13	59
1,4-Dichlorobenzene		32	U	24	59
3,3'-Dichlorobenzidine		94	U	21	120
2,4-Dichlorophenol		32	U	24	180
Diethyl phthalate		32	U	19	83
2,4-Dimethylphenol		94	U	24	180
Dimethyl phthalate		32	U	20	83
Di-n-butyl phthalate		34	J	18	83
4,6-Dinitro-2-methylphenol		94	U	94	180
2,4-Dinitrophenol		94	U	94	390
2,4-Dinitrotoluene		32	U	32	240
2,6-Dinitrotoluene		32	U	25	240
Di-n-octyl phthalate		32	U	32	83
Fluoranthene		100		3.9	7.9
Fluorene		13		3.9	7.9
Hexachlorobenzene		3.9	U	2.5	7.9
Hexachlorobutadiene		32	U	32	59
Hexachlorocyclopentadiene		32	U	32	390
Hexachloroethane		32	U	11	59
Indeno[1,2,3-cd]pyrene		26	M	3.9	7.9

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0024-0001-SO**

Lab Sample ID: 240-22804-7 Date Sampled: 04/02/2013 1650
Client Matrix: Solid % Moisture: 15.4 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423018.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	04/23/2013 1644			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U	15	59
2-Methylnaphthalene		5.5	J	3.9	7.9
2-Methylphenol		94	U	94	240
3 & 4 Methylphenol		94	U	24	470
Naphthalene		6.3	J	3.9	7.9
2-Nitroaniline		32	U	11	240
3-Nitroaniline		94	U	19	240
4-Nitroaniline		32	U	31	240
Nitrobenzene		3.9	U	2.6	120
2-Nitrophenol		32	U	32	59
4-Nitrophenol		94	U	94	390
N-Nitrosodi-n-propylamine		32	U	32	59
N-Nitrosodiphenylamine		32	U	25	59
Pentachlorophenol		94	U	94	180
Phenanthrene		61		3.9	7.9
Phenol		32	U	32	59
Pyrene		86		3.9	7.9
1,2,4-Trichlorobenzene		32	U	32	59
2,4,5-Trichlorophenol		32	U	29	180
2,4,6-Trichlorophenol		94	U	94	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		45 - 105
2-Fluorophenol (Surr)	72		35 - 105
Nitrobenzene-d5 (Surr)	61		35 - 100
Phenol-d5 (Surr)	75		40 - 100
Terphenyl-d14 (Surr)	66		30 - 125
2,4,6-Tribromophenol (Surr)	63		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0025-0001-SO**

Lab Sample ID: 240-22804-8 Date Sampled: 04/02/2013 1735
Client Matrix: Solid % Moisture: 20.7 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423019.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	04/23/2013 1710			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		51		4.2	8.4
Acenaphthylene		9.9		4.2	8.4
Anthracene		90		4.2	8.4
Benzo[a]anthracene		110		4.2	8.4
Benzo[a]pyrene		100		4.2	8.4
Benzo[b]fluoranthene		150	M	4.2	8.4
Benzo[g,h,i]perylene		80	M	4.2	8.4
Benzoic acid		420	U	420	830
Benzo[k]fluoranthene		55	M	4.2	8.4
Benzyl alcohol		34	U	26	420
Bis(2-chloroethoxy)methane		34	U	28	130
Bis(2-chloroethyl)ether		4.2	U	2.5	130
bis (2-chloroisopropyl) ether		34	U	12	130
Bis(2-ethylhexyl) phthalate		34	J	24	88
4-Bromophenyl phenyl ether		34	U	16	63
Butyl benzyl phthalate		34	U	13	88
Carbazole		35	J	34	63
4-Chloroaniline		34	U	21	190
4-Chloro-3-methylphenol		34	U	26	190
2-Chloronaphthalene		4.2	U	4.2	63
2-Chlorophenol		34	U	34	63
4-Chlorophenyl phenyl ether		34	U	16	63
Chrysene		120		1.4	8.4
Dibenz(a,h)anthracene		20	M	4.2	8.4
Dibenzofuran		78		4.2	63
1,2-Dichlorobenzene		34	U	12	63
1,3-Dichlorobenzene		34	U	14	63
1,4-Dichlorobenzene		34	U	25	63
3,3'-Dichlorobenzidine		100	U	23	130
2,4-Dichlorophenol		34	U	25	190
Diethyl phthalate		34	U	20	88
2,4-Dimethylphenol		100	U	25	190
Dimethyl phthalate		34	U	21	88
Di-n-butyl phthalate		33	J	19	88
4,6-Dinitro-2-methylphenol		100	U	100	190
2,4-Dinitrophenol		100	U	100	420
2,4-Dinitrotoluene		34	U	34	250
2,6-Dinitrotoluene		34	U	26	250
Di-n-octyl phthalate		34	U	34	88
Fluoranthene		310		4.2	8.4
Fluorene		93		4.2	8.4
Hexachlorobenzene		4.2	U	2.6	8.4
Hexachlorobutadiene		34	U	34	63
Hexachlorocyclopentadiene		34	U	34	420
Hexachloroethane		34	U	11	63
Indeno[1,2,3-cd]pyrene		66		4.2	8.4

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0025-0001-SO**

Lab Sample ID: 240-22804-8 Date Sampled: 04/02/2013 1735
Client Matrix: Solid % Moisture: 20.7 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423019.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	04/23/2013 1710			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		34	U	16	63
2-Methylnaphthalene		51		4.2	8.4
2-Methylphenol		100	U	100	250
3 & 4 Methylphenol		100	U	25	500
Naphthalene		30		4.2	8.4
2-Nitroaniline		34	U	11	250
3-Nitroaniline		100	U	20	250
4-Nitroaniline		34	U	33	250
Nitrobenzene		4.2	U	2.8	130
2-Nitrophenol		34	U	34	63
4-Nitrophenol		100	U	100	420
N-Nitrosodi-n-propylamine		34	U	34	63
N-Nitrosodiphenylamine		34	U	26	63
Pentachlorophenol		100	U	100	190
Phenanthrene		170		4.2	8.4
Phenol		34	U	34	63
Pyrene		270		4.2	8.4
1,2,4-Trichlorobenzene		34	U	34	63
2,4,5-Trichlorophenol		34	U	31	190
2,4,6-Trichlorophenol		100	U	100	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	72		40 - 100
Terphenyl-d14 (Surr)	58		30 - 125
2,4,6-Tribromophenol (Surr)	65		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0026-0001-SO**

Lab Sample ID: 240-22804-9 Date Sampled: 04/03/2013 1134
Client Matrix: Solid % Moisture: 21.1 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423020.D
Dilution:	1.0			Initial Weight/Volume:	30.16 g
Analysis Date:	04/23/2013 1736			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		21		4.2	8.4
Acenaphthylene		4.2	U	4.2	8.4
Anthracene		48		4.2	8.4
Benzo[a]anthracene		98		4.2	8.4
Benzo[a]pyrene		74		4.2	8.4
Benzo[b]fluoranthene		130	M	4.2	8.4
Benzo[g,h,i]perylene		63		4.2	8.4
Benzoic acid		420	U M	420	830
Benzo[k]fluoranthene		35	M	4.2	8.4
Benzyl alcohol		34	U	26	420
Bis(2-chloroethoxy)methane		34	U	28	130
Bis(2-chloroethyl)ether		4.2	U	2.5	130
bis (2-chloroisopropyl) ether		34	U	12	130
Bis(2-ethylhexyl) phthalate		46	J	24	88
4-Bromophenyl phenyl ether		34	U	16	63
Butyl benzyl phthalate		34	U	13	88
Carbazole		34	U	34	63
4-Chloroaniline		34	U	21	190
4-Chloro-3-methylphenol		34	U	26	190
2-Chloronaphthalene		4.2	U	4.2	63
2-Chlorophenol		34	U	34	63
4-Chlorophenyl phenyl ether		34	U	16	63
Chrysene		110		1.4	8.4
Dibenz(a,h)anthracene		4.2	U	4.2	8.4
Dibenzofuran		34	J	4.2	63
1,2-Dichlorobenzene		34	U	12	63
1,3-Dichlorobenzene		34	U	14	63
1,4-Dichlorobenzene		34	U	25	63
3,3'-Dichlorobenzidine		100	U	23	130
2,4-Dichlorophenol		34	U	25	190
Diethyl phthalate		34	U	20	88
2,4-Dimethylphenol		100	U	25	190
Dimethyl phthalate		34	U	21	88
Di-n-butyl phthalate		34	J	19	88
4,6-Dinitro-2-methylphenol		100	U	100	190
2,4-Dinitrophenol		100	U	100	420
2,4-Dinitrotoluene		34	U	34	250
2,6-Dinitrotoluene		34	U	26	250
Di-n-octyl phthalate		34	U	34	88
Fluoranthene		280		4.2	8.4
Fluorene		46		4.2	8.4
Hexachlorobenzene		4.2	U	2.6	8.4
Hexachlorobutadiene		34	U	34	63
Hexachlorocyclopentadiene		34	U	34	420
Hexachloroethane		34	U	11	63
Indeno[1,2,3-cd]pyrene		53		4.2	8.4

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0026-0001-SO**

Lab Sample ID: 240-22804-9 Date Sampled: 04/03/2013 1134
Client Matrix: Solid % Moisture: 21.1 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423020.D
Dilution:	1.0			Initial Weight/Volume:	30.16 g
Analysis Date:	04/23/2013 1736			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		34	U	16	63
2-Methylnaphthalene		9.7		4.2	8.4
2-Methylphenol		100	U	100	250
3 & 4 Methylphenol		100	U	25	500
Naphthalene		10		4.2	8.4
2-Nitroaniline		34	U	11	250
3-Nitroaniline		100	U	20	250
4-Nitroaniline		34	U	33	250
Nitrobenzene		4.2	U	2.8	130
2-Nitrophenol		34	U	34	63
4-Nitrophenol		100	U	100	420
N-Nitrosodi-n-propylamine		34	U	34	63
N-Nitrosodiphenylamine		34	U	26	63
Pentachlorophenol		100	U	100	190
Phenanthrene		79		4.2	8.4
Phenol		34	U	34	63
Pyrene		240		4.2	8.4
1,2,4-Trichlorobenzene		34	U	34	63
2,4,5-Trichlorophenol		34	U	32	190
2,4,6-Trichlorophenol		100	U	100	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	58		30 - 125
2,4,6-Tribromophenol (Surr)	70		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0027-0001-SO**

Lab Sample ID: 240-22804-10 Date Sampled: 04/03/2013 1205
Client Matrix: Solid % Moisture: 15.3 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423016.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	04/23/2013 1553			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.9	U	3.9	7.8
Acenaphthylene		3.9	U	3.9	7.8
Anthracene		3.9	U	3.9	7.8
Benzo[a]anthracene		3.9	U	3.9	7.8
Benzo[a]pyrene		3.9	U	3.9	7.8
Benzo[b]fluoranthene		3.9	U	3.9	7.8
Benzo[g,h,i]perylene		3.9	U	3.9	7.8
Benzoic acid		390	U	390	780
Benzo[k]fluoranthene		3.9	U	3.9	7.8
Benzyl alcohol		32	U	25	390
Bis(2-chloroethoxy)methane		32	U	26	120
Bis(2-chloroethyl)ether		3.9	U	2.4	120
bis (2-chloroisopropyl) ether		32	U	11	120
Bis(2-ethylhexyl) phthalate		26	J	22	82
4-Bromophenyl phenyl ether		32	U	15	59
Butyl benzyl phthalate		32	U	12	82
Carbazole		32	U	32	59
4-Chloroaniline		32	U	20	180
4-Chloro-3-methylphenol		32	U	25	180
2-Chloronaphthalene		3.9	U	3.9	59
2-Chlorophenol		32	U	32	59
4-Chlorophenyl phenyl ether		32	U	15	59
Chrysene		3.9	U	1.3	7.8
Dibenz(a,h)anthracene		3.9	U	3.9	7.8
Dibenzofuran		3.9	U	3.9	59
1,2-Dichlorobenzene		32	U	11	59
1,3-Dichlorobenzene		32	U	13	59
1,4-Dichlorobenzene		32	U	24	59
3,3'-Dichlorobenzidine		94	U	21	120
2,4-Dichlorophenol		32	U	24	180
Diethyl phthalate		32	U	19	82
2,4-Dimethylphenol		94	U	24	180
Dimethyl phthalate		32	U	20	82
Di-n-butyl phthalate		33	J	18	82
4,6-Dinitro-2-methylphenol		94	U	94	180
2,4-Dinitrophenol		94	U	94	390
2,4-Dinitrotoluene		32	U	32	240
2,6-Dinitrotoluene		32	U	25	240
Di-n-octyl phthalate		32	U	32	82
Fluoranthene		3.9	U	3.9	7.8
Fluorene		3.9	U	3.9	7.8
Hexachlorobenzene		3.9	U	2.5	7.8
Hexachlorobutadiene		32	U	32	59
Hexachlorocyclopentadiene		32	U	32	390
Hexachloroethane		32	U	11	59
Indeno[1,2,3-cd]pyrene		3.9	U	3.9	7.8

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0027-0001-SO**

Lab Sample ID: 240-22804-10 Date Sampled: 04/03/2013 1205
Client Matrix: Solid % Moisture: 15.3 Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81948	Lab File ID:	30423016.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	04/23/2013 1553			Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		32	U	15	59
2-Methylnaphthalene		3.9	U	3.9	7.8
2-Methylphenol		94	U	94	240
3 & 4 Methylphenol		94	U	24	470
Naphthalene		3.9	U	3.9	7.8
2-Nitroaniline		32	U	11	240
3-Nitroaniline		94	U	19	240
4-Nitroaniline		32	U	31	240
Nitrobenzene		3.9	U	2.6	120
2-Nitrophenol		32	U	32	59
4-Nitrophenol		94	U	94	390
N-Nitrosodi-n-propylamine		32	U	32	59
N-Nitrosodiphenylamine		32	U	25	59
Pentachlorophenol		94	U	94	180
Phenanthrene		3.9	U	3.9	7.8
Phenol		32	U	32	59
Pyrene		3.9	U	3.9	7.8
1,2,4-Trichlorobenzene		32	U	32	59
2,4,5-Trichlorophenol		32	U	29	180
2,4,6-Trichlorophenol		94	U	94	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	67		35 - 100
Phenol-d5 (Surr)	77		40 - 100
Terphenyl-d14 (Surr)	65		30 - 125
2,4,6-Tribromophenol (Surr)	40		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-81130	Lab File ID:	30417012.D
Dilution:	1.0			Initial Weight/Volume:	945 mL
Analysis Date:	04/17/2013 1421			Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.11	U	0.11	0.21
Acenaphthylene	0.11	U	0.11	0.21
Anthracene	0.11	U	0.11	0.21
Benzo[a]anthracene	0.11	U	0.11	0.21
Benzo[a]pyrene	0.11	U	0.11	0.21
Benzo[b]fluoranthene	0.11	U	0.11	0.21
Benzo[g,h,i]perylene	0.11	U	0.11	0.21
Benzoic acid	11	U	11	26
Benzo[k]fluoranthene	0.11	U	0.11	0.21
Benzyl alcohol	0.85	U	0.40	5.3
Bis(2-chloroethoxy)methane	0.85	U	0.34	1.1
Bis(2-chloroethyl)ether	0.11	U	0.11	1.1
bis (2-chloroisopropyl) ether	0.85	U	0.42	1.1
Bis(2-ethylhexyl) phthalate	0.85	U	0.85	2.1
4-Bromophenyl phenyl ether	0.85	U	0.85	2.1
Butyl benzyl phthalate	0.85	U	0.85	2.1
Carbazole	0.85	U	0.30	1.1
4-Chloroaniline	0.85	U	0.85	2.1
4-Chloro-3-methylphenol	0.85	U	0.85	2.1
2-Chloronaphthalene	0.11	U	0.11	1.1
2-Chlorophenol	0.85	U	0.31	1.1
4-Chlorophenyl phenyl ether	0.85	U	0.32	2.1
Chrysene	0.11	U	0.11	0.21
Dibenz(a,h)anthracene	0.11	U	0.11	0.21
Dibenzofuran	0.11	U	0.11	1.1
1,2-Dichlorobenzene	0.85	U	0.31	1.1
1,3-Dichlorobenzene	0.85	U	0.85	1.1
1,4-Dichlorobenzene	0.85	U	0.36	1.1
3,3'-Dichlorobenzidine	0.85	U	0.39	5.3
2,4-Dichlorophenol	0.85	U	0.85	2.1
Diethyl phthalate	0.85	U	0.63	2.1
2,4-Dimethylphenol	0.85	U	0.85	2.1
Dimethyl phthalate	0.85	U	0.31	2.1
Di-n-butyl phthalate	0.85	U	0.71	2.1
4,6-Dinitro-2-methylphenol	2.5	U	2.5	5.3
2,4-Dinitrophenol	2.5	U	2.5	5.3
2,4-Dinitrotoluene	0.85	U	0.29	5.3
2,6-Dinitrotoluene	0.85	U	0.85	5.3
Di-n-octyl phthalate	0.85	U	0.85	2.1
Fluoranthene	0.11	U	0.11	0.21
Fluorene	0.11	U	0.11	0.21
Hexachlorobenzene	0.11	U	0.11	0.21
Hexachlorobutadiene	0.85	U	0.29	1.1
Hexachlorocyclopentadiene	0.85	U	0.85	11
Hexachloroethane	0.85	U	0.85	1.1
Indeno[1,2,3-cd]pyrene	0.11	U	0.11	0.21

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-81130	Lab File ID:	30417012.D
Dilution:	1.0			Initial Weight/Volume:	945 mL
Analysis Date:	04/17/2013 1421			Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.85	U	0.29	1.1
2-Methylnaphthalene	0.11	U	0.11	0.21
2-Methylphenol	0.85	U	0.85	1.1
3 & 4 Methylphenol	0.85	U	0.85	2.1
Naphthalene	0.11	U	0.11	0.21
2-Nitroaniline	0.85	U	0.85	2.1
3-Nitroaniline	0.85	U	0.30	2.1
4-Nitroaniline	0.85	U	0.85	2.1
Nitrobenzene	0.11	U	0.042	1.1
2-Nitrophenol	0.85	U	0.30	2.1
4-Nitrophenol	2.5	U	2.5	5.3
N-Nitrosodi-n-propylamine	0.85	U	0.85	1.1
N-Nitrosodiphenylamine	0.85	U	0.33	1.1
Pentachlorophenol	2.5	U	2.5	5.3
Phenanthrene	0.11	U	0.11	0.21
Phenol	0.85	U	0.63	1.1
Pyrene	0.11	U	0.11	0.21
1,2,4-Trichlorobenzene	0.85	U	0.30	1.1
2,4,5-Trichlorophenol	0.85	U	0.32	5.3
2,4,6-Trichlorophenol	0.85	U	0.85	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		50 - 110
2-Fluorophenol (Surr)	60		20 - 110
Nitrobenzene-d5 (Surr)	61		40 - 110
Phenol-d5 (Surr)	63		10 - 115
Terphenyl-d14 (Surr)	69		50 - 135
2,4,6-Tribromophenol (Surr)	75		40 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0013-0001-SO**

Lab Sample ID: 240-22804-2 Date Sampled: 04/02/2013 1737
Client Matrix: Solid % Moisture: 16.0 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-82097	Lab File ID:	P6F18022.D
Dilution:	1.0			Initial Weight/Volume:	30.50 g
Analysis Date:	04/19/2013 0154			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	52		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0015-0001-SO**

Lab Sample ID: 240-22804-3 Date Sampled: 04/02/2013 1740
Client Matrix: Solid % Moisture: 15.9 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-82097	Lab File ID:	P6F18023.D
Dilution:	1.0			Initial Weight/Volume:	30.16 g
Analysis Date:	04/19/2013 0225			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	54		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Prep Method:	3540C	Prep Batch:	240-82109	Lab File ID:	P5B17016.D
Dilution:	1.0			Initial Weight/Volume:	29.89 g
Analysis Date:	04/17/2013 2126			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	50		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0012-0001-SO**

Lab Sample ID: 240-22804-5 Date Sampled: 04/03/2013 1231
Client Matrix: Solid % Moisture: 17.7 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Prep Method:	3540C	Prep Batch:	240-82109	Lab File ID:	P5B17019.D
Dilution:	1.0			Initial Weight/Volume:	29.71 g
Analysis Date:	04/17/2013 2257			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	42		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0023-0001-SO**

Lab Sample ID: 240-22804-6 Date Sampled: 04/02/2013 1625
Client Matrix: Solid % Moisture: 19.4 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-82097	Lab File ID:	P6F18024.D
Dilution:	1.0			Initial Weight/Volume:	29.83 g
Analysis Date:	04/19/2013 0257			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		56		12	21
C20-C34		220	M	12	21

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	55		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0024-0001-SO**

Lab Sample ID: 240-22804-7 Date Sampled: 04/02/2013 1650
Client Matrix: Solid % Moisture: 15.4 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-82097	Lab File ID:	P6F18025.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	04/19/2013 0328			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	47		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0025-0001-SO**

Lab Sample ID: 240-22804-8 Date Sampled: 04/02/2013 1735
Client Matrix: Solid % Moisture: 20.7 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-82097	Lab File ID:	P6F18026.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	04/19/2013 0400			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		210		12	21
C20-C34		230	M	12	21

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	55		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0026-0001-SO**

Lab Sample ID: 240-22804-9 Date Sampled: 04/03/2013 1134
Client Matrix: Solid % Moisture: 21.1 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Prep Method:	3540C	Prep Batch:	240-82109	Lab File ID:	P5B17020.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Analysis Date:	04/17/2013 2328			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		12	U	12	21
C20-C34		54	M	12	21

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	49		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0027-0001-SO**

Lab Sample ID: 240-22804-10 Date Sampled: 04/03/2013 1205
Client Matrix: Solid % Moisture: 15.3 Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Prep Method:	3540C	Prep Batch:	240-82109	Lab File ID:	P5B17021.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	04/17/2013 2358			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	20
C20-C34		11	U	11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	37		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-81310	Instrument ID:	A2HP5R
Prep Method:	3520C	Prep Batch:	240-80861	Lab File ID:	P5B10013.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	04/10/2013 1745			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1003			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C10-C20	240	U	240	500
C20-C34	240	U	240	500

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	54		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 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:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 2325			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.79	U	0.73	2.4
4,4'-DDE		0.79	U	0.46	2.0
4,4'-DDT		0.79	U	0.74	2.4
Aldrin		1.6	U	1.4	4.7
alpha-BHC		1.6	U	0.86	2.9
alpha-Chlordane		1.6	U	1.1	3.5
beta-BHC		1.6	U	1.3	4.1
delta-BHC		1.6	U	1.4	4.7
Dieldrin		0.79	U	0.55	2.0
Endosulfan I		0.79	U	0.61	2.0
Endosulfan II		1.6	U	0.97	2.9
Endosulfan sulfate		1.6	U	1.0	3.5
Endrin		0.79	U	0.59	2.0
Endrin aldehyde		1.6	U	1.2	3.5
Endrin ketone		0.79	U	0.74	2.4
gamma-BHC (Lindane)		1.6	U	0.87	2.9
gamma-Chlordane		0.79	U	0.49	2.0
Heptachlor		1.6	U	1.3	4.1
Heptachlor epoxide		1.6	U	0.94	2.9
Methoxychlor		3.9	U	1.8	5.9
Toxaphene		24	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		55 - 130
DCB Decachlorobiphenyl	67		55 - 130
Tetrachloro-m-xylene	62	Q	70 - 125
Tetrachloro-m-xylene	61	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2013 1057	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.78	U H	0.72	2.3
4,4'-DDE		0.78	U H	0.46	2.0
4,4'-DDT		0.78	U H	0.74	2.3
Aldrin		1.6	U H	1.4	4.7
alpha-BHC		1.6	U H	0.85	2.9
alpha-Chlordane		1.6	U H	1.1	3.5
beta-BHC		1.6	U H	1.3	4.1
delta-BHC		1.6	U H	1.4	4.7
Dieldrin		0.78	U H	0.55	2.0
Endosulfan I		0.78	U H	0.61	2.0
Endosulfan II		1.6	U H	0.96	2.9
Endosulfan sulfate		1.6	U H	1.0	3.5
Endrin		0.78	U H	0.58	2.0
Endrin aldehyde		1.6	U H	1.2	3.5
Endrin ketone		0.78	U H	0.74	2.3
gamma-BHC (Lindane)		1.6	U H	0.86	2.9
gamma-Chlordane		0.78	U H	0.49	2.0
Heptachlor		1.6	U H	1.3	4.1
Heptachlor epoxide		1.6	U H	0.93	2.9
Methoxychlor		3.9	U H	1.8	5.8
Toxaphene		23	U H	22	78

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		55 - 130
Tetrachloro-m-xylene	83		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2013 1057	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		55 - 130
Tetrachloro-m-xylene	78		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-80943	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/16/2013 1920			Injection Volume:	1 uL
Prep Date:	04/08/2013 0924			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.010	U	0.0096	0.050
4,4'-DDE	0.010	U	0.0097	0.050
4,4'-DDT	0.030	U	0.016	0.050
Aldrin	0.010	U	0.0082	0.050
alpha-BHC	0.010	U	0.0070	0.050
alpha-Chlordane	0.014	U	0.014	0.050
beta-BHC	0.010	U	0.0084	0.050
delta-BHC	0.010	U	0.0087	0.050
Dieldrin	0.010	U	0.0075	0.050
Endosulfan I	0.013	U	0.013	0.050
Endosulfan II	0.012	U	0.012	0.050
Endosulfan sulfate	0.011	U	0.011	0.050
Endrin	0.011	U	0.011	0.050
Endrin aldehyde	0.011	U	0.011	0.050
Endrin ketone	0.010	U	0.0078	0.050
gamma-BHC (Lindane)	0.010	U	0.0064	0.050
gamma-Chlordane	0.012	U	0.012	0.050
Heptachlor	0.010	U	0.0080	0.050
Heptachlor epoxide	0.010	U	0.0071	0.050
Methoxychlor	0.032	U	0.032	0.10
Toxaphene	0.50	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		30 - 135
Tetrachloro-m-xylene	87		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-80943	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/16/2013 1920			Injection Volume:	1 uL
Prep Date:	04/08/2013 0924			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		30 - 135
Tetrachloro-m-xylene	86		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 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:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1434			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		29	U	19	59
Aroclor-1016		29	U	25	77
Aroclor-1232		29	U	16	53
Aroclor-1242		29	U	15	47
Aroclor-1248		29	U	20	65
Aroclor-1254		29	U	20	65
Aroclor-1260		29	U	20	65

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		40 - 140
DCB Decachlorobiphenyl	66		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 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:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1434			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		40 - 140
DCB Decachlorobiphenyl	71		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Prep Method:	3520C	Prep Batch:	240-80942	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/15/2013 1620			Injection Volume:	1 uL
Prep Date:	04/08/2013 0921			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		40 - 140
DCB Decachlorobiphenyl	63		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Prep Method:	3520C	Prep Batch:	240-80942	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/15/2013 1620			Injection Volume:	1 uL
Prep Date:	04/08/2013 0921			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		40 - 140
DCB Decachlorobiphenyl	65		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid Date Received: 04/04/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14120	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13885	Lab File ID:	320-0003838-016-1.d
Dilution:	1.0			Initial Weight/Volume:	2.08 g
Analysis Date:	04/11/2013 1934			Final Weight/Volume:	10.00 mL
Prep Date:	04/09/2013 1024			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.038	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-13805	Lab File ID:	320-0003783-047-1.d
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	04/10/2013 0555			Final Weight/Volume:	10 mL
Prep Date:	04/08/2013 1017			Injection Volume:	50 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid Date Received: 04/04/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14412	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13877	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/19/2013 2018			Injection Volume:	500 uL
Prep Date:	04/09/2013 0933			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	0.0099	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	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
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	0.0099	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: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid Date Received: 04/04/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14998	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13877	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/26/2013 1817			Injection Volume:	500 uL
Prep Date:	04/09/2013 0933			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U	0.015	0.50
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid Date Received: 04/04/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14998	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13877	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/26/2013 1817			Injection Volume:	500 uL
Prep Date:	04/09/2013 0933			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	99		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-15252	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-13819	Initial Weight/Volume:	897.1 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	04/29/2013 1748			Injection Volume:	500 uL
Prep Date:	04/08/2013 1128			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.056	U	0.035	0.11
1,3-Dinitrobenzene	0.11	U	0.056	0.11
2,4,6-Trinitrotoluene	0.11	U	0.056	0.11
2,4-Dinitrotoluene	0.11	U	0.056	0.11
2,6-Dinitrotoluene	0.11	U	0.056	0.11
2-Amino-4,6-dinitrotoluene	0.11	U	0.017	0.22
2-Nitrotoluene	0.11	U	0.098	0.56
3-Nitrotoluene	0.11	U	0.064	0.56
4-Nitrotoluene	0.11	U	0.098	0.56
4-Amino-2,6-dinitrotoluene	0.11	U	0.056	0.11
HMX	0.056	U	0.040	0.11
RDX	0.056	U	0.040	0.11
Nitrobenzene	0.11	U	0.056	0.11
Tetryl	0.11	U	0.056	0.11
Nitroglycerin	0.56	U	0.37	0.72
PETN	0.56	U	0.33	0.72

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		79 - 111

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid % Moisture: 15.2 Date Received: 04/04/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-71214	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69392	Lab File ID:	M30507A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/07/2013 1329			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.037	J	0.013	0.12
Aluminum		12000		0.34	3.5
Arsenic		8.2		0.021	0.12
Barium		67	Q	0.013	1.2
Beryllium		0.60	Q	0.0088	0.12
Calcium		32000		1.6	12
Cadmium		0.20		0.016	0.12
Chromium		19		0.026	0.24
Cobalt		12	Q	0.0028	0.059
Copper		18	Q	0.039	0.24
Iron		24000		1.3	5.9
Magnesium		8000		1.3	12
Manganese		350	Q	0.019	0.59
Sodium		120		3.1	12
Nickel		28		0.013	0.12
Lead		11	Q	0.018	0.12
Antimony		0.12	U	0.054	0.24
Thallium		0.19		0.012	0.12
Vanadium		20		0.035	0.12
Zinc		52	Q	0.076	0.59
Potassium		2200		3.7	12
Selenium		0.26	J	0.060	0.59

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:	0.60 g
Analysis Date:	04/19/2013 1027			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.039	U	0.017	0.12

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500
Client Matrix: Water Date Received: 04/04/2013 0800

6020/DOD Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020/DOD	Analysis Batch:	180-71214	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1459			Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Silver	0.20	U	0.11	1.0
Aluminum	4.5	J	2.6	30
Arsenic	0.50	U	0.29	1.0
Barium	0.15	U Q	0.098	10
Beryllium	0.090	U Q	0.045	1.0
Calcium	23	J	9.4	100
Cadmium	0.30	U	0.13	1.0
Chromium	3.2		0.54	2.0
Cobalt	0.082	J Q	0.026	0.50
Copper	0.41	J Q	0.24	2.0
Iron	20	U	11	50
Magnesium	22	U	11	100
Manganese	0.74	J Q	0.16	5.0
Sodium	65	J	27	100
Nickel	5.9		0.17	1.0
Lead	0.59	J Q	0.15	1.0
Antimony	0.90	U	0.46	2.0
Thallium	0.20	U	0.10	1.0
Vanadium	0.60	U	0.30	1.0
Zinc	3.2	J Q	0.96	5.0
Potassium	60	U	32	100
Selenium	1.0	U	0.51	5.0

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-81255	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-80775	Lab File ID:	040913C-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	04/09/2013 1315			Final Weight/Volume:	100 mL
Prep Date:	04/05/2013 1545				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.20	U	0.12	0.20

General Chemistry

Client Sample ID: **074SB-0013-0001-SO**

Lab Sample ID: 240-22804-2 Date Sampled: 04/02/2013 1737

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0015-0001-SO**

Lab Sample ID: 240-22804-3 Date Sampled: 04/02/2013 1740

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0010-0001-SO**

Lab Sample ID: 240-22804-4 Date Sampled: 04/03/2013 1140
Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Nitrocellulose	2.1	U	mg/Kg	0.92	5.9	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1323						DryWt Corrected: Y
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

General Chemistry

Client Sample ID: **074SB-0012-0001-SO**

Lab Sample ID: 240-22804-5 Date Sampled: 04/03/2013 1231

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0023-0001-SO**

Lab Sample ID: 240-22804-6 Date Sampled: 04/02/2013 1625

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0024-0001-SO**

Lab Sample ID: 240-22804-7 Date Sampled: 04/02/2013 1650

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0025-0001-SO**

Lab Sample ID: 240-22804-8 Date Sampled: 04/02/2013 1735

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0026-0001-SO**

Lab Sample ID: 240-22804-9 Date Sampled: 04/03/2013 1134

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **074SB-0027-0001-SO**

Lab Sample ID: 240-22804-10 Date Sampled: 04/03/2013 1205

Client Matrix: Solid Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80759	Analysis Date: 04/05/2013 1034						DryWt Corrected: N

General Chemistry

Client Sample ID: **079RN-0317-0001-RN**

Lab Sample ID: 240-22804-11 Date Sampled: 04/03/2013 1500

Client Matrix: Water Date Received: 04/04/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1212						
Prep Batch: 320-13964	Prep Date: 04/10/2013 0754						

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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	84Q
MRL 240-80954/32		85	96	90	86
MRL 240-81930/5		87	95	89	90
MRL 240-81930/15		83	91	88	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: 240-22804-1

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
240-22804-4	074SB-0010-0001-SO	61	76	54Q	35Q
240-22804-4	074SB-0010-0001-SO	83	102	92	92
MB 240-80954/7		85	92	89	86
MB 240-81930/7		82	93	88	89
LCS 240-80954/6		91	91	89	89
LCS 240-81930/35		87	94	88	86

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: 240-22804-1

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: 240-22804-1

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
240-22804-11	079RN-0317-0001-RN	98	96	87	80
240-22804-12	079-0318-0001-TB	102	96	85	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: 240-22804-1

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
240-22804-2	074SB-0013-0001-SO	71	76	64	66	36	61
240-22804-3	074SB-0015-0001-SO	70	74	63	65	39	60
240-22804-4	074SB-0010-0001-SO	77	81	67	72	47	65
240-22804-5	074SB-0012-0001-SO	77	81	67	71	50	64
240-22804-6	074SB-0023-0001-SO	63	66	57	60	46	54
240-22804-7	074SB-0024-0001-SO	72	75	61	67	63	66
240-22804-8	074SB-0025-0001-SO	71	72	62	64	65	58
240-22804-9	074SB-0026-0001-SO	67	70	62	65	70	58
240-22804-10	074SB-0027-0001-SO	74	77	67	70	40	65
MB 240-81948/23-A		66	67	59	60	62	68
MB 240-83486/23-A		71	77	67	70	60	66
LCS 240-81948/24-A		77	81	75	76	63	67
LCS 240-83486/24-A		70	73	67	68	68	60

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: 240-22804-1

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 240-82940/3		95	97	100	95	104	101
MRL 240-82940/19		95	96	95	97	108	101
MRL 240-83126/3		96	98	98	99	105	97
MRL 240-83126/22		96	96	95	98	107	99
MRL 240-83882/3		105	107Q	98	102	101	100
MRL 240-83882/13		99	104Q	100	102	100	98

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: 240-22804-1

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
240-22804-11	079RN-0317-0001-RN	60	63	61	68	75	69
MB 240-81130/22-A		72	72	67	74	81	73
LCS 240-81130/23-A		85	83	80	79	93	63

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl (Surr)	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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 240-82293/3		98	93	91	97	102	93
MRL 240-82293/25		96	96	91	94	103	95

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)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
240-22804-2	074SB-0013-0001-SO	52
240-22804-3	074SB-0015-0001-SO	54
240-22804-4	074SB-0010-0001-SO	50
240-22804-5	074SB-0012-0001-SO	42
240-22804-6	074SB-0023-0001-SO	55
240-22804-7	074SB-0024-0001-SO	47
240-22804-8	074SB-0025-0001-SO	55
240-22804-9	074SB-0026-0001-SO	49
240-22804-10	074SB-0027-0001-SO	37
MB 240-82097/23-A		50
MB 240-82109/20-A		48
LCS 240-82097/24-A		48
LCS 240-82109/21-A		57
240-22804-4 MS	074SB-0010-0001-SO MS	42
240-22804-4 MSD	074SB-0010-0001-SO MSD	55

Surrogate	Acceptance Limits
C9 = n-Nonane	10-110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
MRL 240-82321/11		101
MRL 240-82321/36		101
MRL 240-82537/6		90
MRL 240-82537/39		105

Surrogate	Acceptance Limits
C9 = n-Nonane	70-130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	C9 %Rec
240-22804-11	079RN-0317-0001-RN	54
MB 240-80861/11-A		54
LCS 240-80861/12-A		63

Surrogate	Acceptance Limits
C9 = n-Nonane	10-110

Client: Environmental Chemical Corp.

Job Number: 240-22804-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	C9 %Rec
MRL 240-81310/10		100
MRL 240-81310/15		104

Surrogate	Acceptance Limits
C9 = n-Nonane	70-130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
MRL 240-82685/6		103	96	124	131Q
MRL 240-82685/41		102	95	120	125
MRL 240-83400/26		123	119	136Q	135Q
MRL 240-83400/52		120	118	130	124
MRL 240-83482/8		119	116	134Q	135Q
MRL 240-83482/23		116	114	133Q	136Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
240-22804-4	074SB-0010-0001-SO	62Q	61Q	67	67
240-22804-4 RE	074SB-0010-0001-SO RE	83	78	80	78
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

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
240-22804-11	079RN-0317-0001-RN	87	86	75	80
MB 240-80943/2-A		73	74	87	90
LCS 240-80943/3-A		74	73	31	32

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Client: Environmental Chemical Corp.

Job Number: 240-22804-1

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 240-82129/14		98	92	121	124
MRL 240-82129/51		107	101	127	130

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
240-22804-4	074SB-0010-0001-SO	65	64	66	71
MB 240-81730/20-A		59	60	62	262Q
LCS 240-81730/21-A		80	77	81	88

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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 240-82363/4		101	108	119	125
MRL 240-82363/26		117	130	136Q	138Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
240-22804-11	079RN-0317-0001-RN	72	72	63	65
MB 240-80942/6-A		61	64	65	75
LCS 240-80942/7-A		71	70	60	67

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	40-135

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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 240-81995/10		117	127	126	127
MRL 240-81995/17		107	116	121	129

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22804-4	074SB-0010-0001-SO	94	
240-22804-4	074SB-0010-0001-SO		99
MB 320-13877/1-A		95	
MB 320-13877/1-A			122M Q
LCS 320-13877/2-A		97	

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	78-118

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-22804-11	079RN-0317-0001-RN	92
MB 320-13819/1-A		91
LCS 320-13819/2-A		89

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	79-111

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
2-Hexanone	1.0	U	0.63	20
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20

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

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
2-Hexanone	0.0100	0.00953	95	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00862	86	70 - 130	J

Surrogate	% Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		50 - 150
Toluene-d8 (Surr)	87		50 - 150
4-Bromofluorobenzene (Surr)	84	Q	50 - 150
Dibromofluoromethane (Surr)	85		50 - 150

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	
2-Hexanone	100	90.6	91	45 - 145	
4-Methyl-2-pentanone (MIBK)	100	93.2	93	45 - 145	

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

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

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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	
2-Hexanone	0.0100	0.00935	93	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00983	98	70 - 130	J

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: 240-22804-1

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: 240-22804-1

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: 240-22804-1

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: 240-22804-1

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: 240-22804-1

Method Blank - Batch: 240-81930

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-81930/7	Analysis Batch:	240-81930	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	142030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/15/2013 1305	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acetone	7.08	J	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	0.50	U	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
Methylene Chloride	1.0	U	0.67	5.0
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)	93	61 - 130
Toluene-d8 (Surr)	88	85 - 115
4-Bromofluorobenzene (Surr)	89	85 - 120
Dibromofluoromethane (Surr)	82	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-81930 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81930/5	Analysis Batch:	240-81930	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	142028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/15/2013 1222	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	0.0100	0.0187	187	70 - 130	^
Benzene	0.00500	0.00572	114	70 - 130	
Bromoform	0.00500	0.00756	151	70 - 130	^
Bromomethane	0.00500	0.00576	115	70 - 130	
Carbon disulfide	0.00500	0.00588	118	70 - 130	
Carbon tetrachloride	0.00500	0.00479	96	70 - 130	
Chlorobenzene	0.00500	0.00564	113	70 - 130	
1,1-Dichloroethane	0.00500	0.00576	115	70 - 130	
Chloromethane	0.00500	0.00553	111	70 - 130	
1,2-Dichloroethane	0.00500	0.00585	117	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00637	127	70 - 130	
1,1-Dichloroethene	0.00500	0.00530	106	70 - 130	
Dibromochloromethane	0.00500	0.00641	128	70 - 130	
Bromodichloromethane	0.00500	0.00535	107	70 - 130	
1,2-Dichloropropane	0.00500	0.00580	116	70 - 130	
Ethylbenzene	0.00500	0.00572	114	70 - 130	
Methylene Chloride	0.00500	0.00633	127	70 - 130	
Styrene	0.00500	0.00552	110	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00589	118	70 - 130	
Tetrachloroethene	0.00500	0.00592	118	70 - 130	
Toluene	0.00500	0.00571	114	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00626	125	70 - 130	
Chloroform	0.00500	0.00565	113	70 - 130	
Bromochloromethane	0.00500	0.00563	113	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00516	103	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00573	115	70 - 130	
Trichloroethene	0.00500	0.00564	113	70 - 130	
Vinyl chloride	0.00500	0.00581	116	70 - 130	
Xylenes, Total	0.0100	0.0117	117	70 - 130	
Chloroethane	0.00500	0.00616	123	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	50 - 150
Toluene-d8 (Surr)	89	50 - 150
4-Bromofluorobenzene (Surr)	90	50 - 150
Dibromofluoromethane (Surr)	87	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-81930

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-81930/35	Analysis Batch:	240-81930	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	142031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/15/2013 1326	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	120	120	20 - 160	
Benzene	50.0	53.9	108	75 - 125	
Bromoform	50.0	47.6	95	55 - 135	
Bromomethane	50.0	46.5	93	30 - 160	
Carbon disulfide	50.0	51.8	104	45 - 160	
Carbon tetrachloride	50.0	56.3	113	65 - 135	
Chlorobenzene	50.0	52.0	104	75 - 125	
1,1-Dichloroethane	50.0	56.2	112	75 - 125	
Chloromethane	50.0	44.9	90	50 - 130	
1,2-Dichloroethane	50.0	53.9	108	70 - 135	
cis-1,3-Dichloropropene	50.0	50.5	101	70 - 125	
1,1-Dichloroethene	50.0	55.8	112	65 - 135	
Dibromochloromethane	50.0	48.2	96	65 - 130	
Bromodichloromethane	50.0	47.5	95	70 - 130	
1,2-Dichloropropane	50.0	55.0	110	70 - 120	
Ethylbenzene	50.0	55.2	110	75 - 125	
Methylene Chloride	50.0	53.9	108	55 - 140	
Styrene	50.0	55.8	112	75 - 125	
1,1,2,2-Tetrachloroethane	50.0	55.1	110	55 - 130	
Tetrachloroethene	50.0	55.5	111	65 - 140	
Toluene	50.0	54.3	109	70 - 125	
trans-1,3-Dichloropropene	50.0	55.3	111	65 - 125	
Chloroform	50.0	54.8	110	70 - 125	
Bromochloromethane	50.0	54.4	109	70 - 125	
1,1,1-Trichloroethane	50.0	54.4	109	70 - 135	
1,1,2-Trichloroethane	50.0	54.7	109	60 - 125	
Trichloroethene	50.0	54.2	108	75 - 125	
Vinyl chloride	50.0	47.0	94	60 - 125	
Xylenes, Total	100	109	109	75 - 125	
Chloroethane	50.0	49.9	100	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	61 - 130
Toluene-d8 (Surr)	88	85 - 115
4-Bromofluorobenzene (Surr)	86	85 - 120
Dibromofluoromethane (Surr)	87	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-81930

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-81930/15	Analysis Batch:	240-81930	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	142039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/15/2013 1619	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	0.0100	0.0151	151	70 - 130	^
Benzene	0.00500	0.00518	104	70 - 130	
Bromoform	0.00500	0.00617	123	70 - 130	
Bromomethane	0.00500	0.00528	106	70 - 130	
Carbon disulfide	0.00500	0.00527	105	70 - 130	
Carbon tetrachloride	0.00500	0.00409	82	70 - 130	
Chlorobenzene	0.00500	0.00535	107	70 - 130	
1,1-Dichloroethane	0.00500	0.00512	102	70 - 130	
Chloromethane	0.00500	0.00498	100	70 - 130	
1,2-Dichloroethane	0.00500	0.00533	107	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00569	114	70 - 130	
1,1-Dichloroethene	0.00500	0.00509	102	70 - 130	
Dibromochloromethane	0.00500	0.00575	115	70 - 130	
Bromodichloromethane	0.00500	0.00496	99	70 - 130	
1,2-Dichloropropane	0.00500	0.00529	106	70 - 130	
Ethylbenzene	0.00500	0.00519	104	70 - 130	
Methylene Chloride	0.00500	0.00565	113	70 - 130	
Styrene	0.00500	0.00470	94	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00484	97	70 - 130	
Tetrachloroethene	0.00500	0.00561	112	70 - 130	
Toluene	0.00500	0.00546	109	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00567	113	70 - 130	
Chloroform	0.00500	0.00512	102	70 - 130	
Bromochloromethane	0.00500	0.00495	99	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00469	94	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00511	102	70 - 130	
Trichloroethene	0.00500	0.00520	104	70 - 130	
Vinyl chloride	0.00500	0.00499	100	70 - 130	
Xylenes, Total	0.0100	0.0102	102	70 - 130	
Chloroethane	0.00500	0.00535	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	50 - 150
Toluene-d8 (Surr)	88	50 - 150
4-Bromofluorobenzene (Surr)	86	50 - 150
Dibromofluoromethane (Surr)	83	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-81130

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-81130/22-A	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-81130	Lab File ID:	30417004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/17/2013 1113	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	0.10	U	0.10	0.20
Acenaphthylene	0.10	U	0.10	0.20
Anthracene	0.10	U	0.10	0.20
Benzo[a]anthracene	0.10	U	0.10	0.20
Benzo[a]pyrene	0.10	U	0.10	0.20
Benzo[b]fluoranthene	0.10	U	0.10	0.20
Benzo[g,h,i]perylene	0.10	U	0.10	0.20
Benzoic acid	10	U	10	25
Benzo[k]fluoranthene	0.10	U	0.10	0.20
Benzyl alcohol	0.80	U	0.38	5.0
Bis(2-chloroethoxy)methane	0.80	U	0.32	1.0
Bis(2-chloroethyl)ether	0.10	U	0.10	1.0
bis (2-chloroisopropyl) ether	0.80	U	0.40	1.0
Bis(2-ethylhexyl) phthalate	0.80	U	0.80	2.0
4-Bromophenyl phenyl ether	0.80	U	0.80	2.0
Butyl benzyl phthalate	0.80	U	0.80	2.0
Carbazole	0.80	U	0.28	1.0
4-Chloroaniline	0.80	U	0.80	2.0
4-Chloro-3-methylphenol	0.80	U	0.80	2.0
2-Chloronaphthalene	0.10	U	0.10	1.0
2-Chlorophenol	0.80	U	0.29	1.0
4-Chlorophenyl phenyl ether	0.80	U	0.30	2.0
Chrysene	0.10	U	0.10	0.20
Dibenz(a,h)anthracene	0.10	U	0.10	0.20
Dibenzofuran	0.10	U	0.10	1.0
1,2-Dichlorobenzene	0.80	U	0.29	1.0
1,3-Dichlorobenzene	0.80	U	0.80	1.0
1,4-Dichlorobenzene	0.80	U	0.34	1.0
3,3'-Dichlorobenzidine	0.80	U	0.37	5.0
2,4-Dichlorophenol	0.80	U	0.80	2.0
Diethyl phthalate	0.80	U	0.60	2.0
2,4-Dimethylphenol	0.80	U	0.80	2.0
Dimethyl phthalate	0.80	U	0.29	2.0
Di-n-butyl phthalate	0.80	U	0.67	2.0
4,6-Dinitro-2-methylphenol	2.4	U	2.4	5.0
2,4-Dinitrophenol	2.4	U	2.4	5.0
2,4-Dinitrotoluene	0.80	U	0.27	5.0
2,6-Dinitrotoluene	0.80	U	0.80	5.0
Di-n-octyl phthalate	0.80	U	0.80	2.0
Fluoranthene	0.10	U	0.10	0.20
Fluorene	0.10	U	0.10	0.20
Hexachlorobenzene	0.10	U	0.10	0.20
Hexachlorobutadiene	0.80	U	0.27	1.0
Hexachlorocyclopentadiene	0.80	U	0.80	10
Hexachloroethane	0.80	U	0.80	1.0

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-81130 **Method: 8270C/DoD**
Preparation: 3520C

Lab Sample ID:	MB 240-81130/22-A	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-81130	Lab File ID:	30417004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/17/2013 1113	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	0.10	U	0.10	0.20
Isophorone	0.80	U	0.27	1.0
2-Methylnaphthalene	0.10	U	0.10	0.20
2-Methylphenol	0.80	U	0.80	1.0
3 & 4 Methylphenol	0.80	U	0.80	2.0
Naphthalene	0.10	U	0.10	0.20
2-Nitroaniline	0.80	U	0.80	2.0
3-Nitroaniline	0.80	U	0.28	2.0
4-Nitroaniline	0.80	U	0.80	2.0
Nitrobenzene	0.10	U	0.040	1.0
2-Nitrophenol	0.80	U	0.28	2.0
4-Nitrophenol	2.4	U	2.4	5.0
N-Nitrosodi-n-propylamine	0.80	U	0.80	1.0
N-Nitrosodiphenylamine	0.80	U	0.31	1.0
Pentachlorophenol	2.4	U	2.4	5.0
Phenanthrene	0.10	U	0.10	0.20
Phenol	0.80	U	0.60	1.0
Pyrene	0.10	U	0.10	0.20
1,2,4-Trichlorobenzene	0.80	U	0.28	1.0
2,4,5-Trichlorophenol	0.80	U	0.30	5.0
2,4,6-Trichlorophenol	0.80	U	0.80	5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	50 - 110
2-Fluorophenol (Surr)	72	20 - 110
Nitrobenzene-d5 (Surr)	67	40 - 110
Phenol-d5 (Surr)	72	10 - 115
Terphenyl-d14 (Surr)	73	50 - 135
2,4,6-Tribromophenol (Surr)	81	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-81130

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-81130/23-A	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-81130	Lab File ID:	30417005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/17/2013 1136	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	17.7	89	45 - 110	
Acenaphthylene	20.0	18.5	93	50 - 105	
Anthracene	20.0	19.1	96	55 - 110	
Benzo[a]anthracene	20.0	17.4	87	55 - 110	
Benzo[a]pyrene	20.0	12.9	64	55 - 110	
Benzo[b]fluoranthene	20.0	14.0	70	45 - 120	
Benzo[g,h,i]perylene	20.0	13.8	69	40 - 125	
Benzoic acid	20.0	10	46	0 - 125	U
Benzo[k]fluoranthene	20.0	17.0	85	45 - 125	
Benzyl alcohol	20.0	17.7	88	30 - 110	
Bis(2-chloroethoxy)methane	20.0	18.2	91	45 - 105	
Bis(2-chloroethyl)ether	20.0	17.3	87	35 - 110	
bis (2-chloroisopropyl) ether	20.0	16.7	83	25 - 130	
Bis(2-ethylhexyl) phthalate	20.0	13.7	69	40 - 125	
4-Bromophenyl phenyl ether	20.0	20.2	101	50 - 115	
Butyl benzyl phthalate	20.0	18.4	92	45 - 115	
Carbazole	20.0	19.7	99	50 - 115	
4-Chloroaniline	20.0	16.0	80	15 - 110	
4-Chloro-3-methylphenol	20.0	18.8	94	45 - 110	
2-Chloronaphthalene	20.0	17.2	86	50 - 105	
2-Chlorophenol	20.0	18.0	90	35 - 105	
4-Chlorophenyl phenyl ether	20.0	19.2	96	50 - 110	
Chrysene	20.0	18.7	93	55 - 110	
Dibenz(a,h)anthracene	20.0	12.2	61	40 - 125	
Dibenzofuran	20.0	19.1	96	55 - 105	
1,2-Dichlorobenzene	20.0	15.4	77	35 - 100	
1,3-Dichlorobenzene	20.0	14.8	74	30 - 100	
1,4-Dichlorobenzene	20.0	15.1	75	30 - 100	
3,3'-Dichlorobenzidine	20.0	10.9	54	20 - 110	
2,4-Dichlorophenol	20.0	18.4	92	50 - 105	
Diethyl phthalate	20.0	18.7	94	40 - 120	
2,4-Dimethylphenol	20.0	14.9	74	30 - 110	
Dimethyl phthalate	20.0	19.4	97	25 - 125	
Di-n-butyl phthalate	20.0	19.0	95	55 - 115	
4,6-Dinitro-2-methylphenol	20.0	16.6	83	40 - 130	
2,4-Dinitrophenol	20.0	14.8	74	15 - 140	
2,4-Dinitrotoluene	20.0	18.1	91	50 - 120	
2,6-Dinitrotoluene	20.0	19.7	99	50 - 115	
Di-n-octyl phthalate	20.0	10.7	53	35 - 135	
Fluoranthene	20.0	20.0	100	55 - 115	
Fluorene	20.0	19.2	96	50 - 110	
Hexachlorobenzene	20.0	18.9	94	50 - 110	
Hexachlorobutadiene	20.0	14.3	72	25 - 105	
Hexachloroethane	20.0	13.7	68	30 - 95	
Indeno[1,2,3-cd]pyrene	20.0	12.8	64	45 - 125	
Isophorone	20.0	17.4	87	50 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-81130

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-81130/23-A	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-81130	Lab File ID:	30417005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/17/2013 1136	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	04/09/2013 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	20.0	16.5	82	45 - 105	
2-Methylphenol	20.0	18.2	91	40 - 110	
3 & 4 Methylphenol	40.0	36.4	91	30 - 110	
Naphthalene	20.0	16.8	84	40 - 100	
2-Nitroaniline	20.0	19.5	97	50 - 115	
3-Nitroaniline	20.0	17.3	87	20 - 125	
4-Nitroaniline	20.0	20.3	101	35 - 120	
Nitrobenzene	20.0	18.1	91	45 - 110	
2-Nitrophenol	20.0	18.5	93	40 - 115	
4-Nitrophenol	20.0	17.6	88	0 - 125	
N-Nitrosodi-n-propylamine	20.0	16.4	82	35 - 130	
N-Nitrosodiphenylamine	20.0	18.2	91	50 - 110	
Pentachlorophenol	20.0	18.5	93	40 - 115	
Phenanthrene	20.0	19.4	97	50 - 115	
Phenol	20.0	18.0	90	0 - 115	
Pyrene	20.0	19.8	99	50 - 130	
1,2,4-Trichlorobenzene	20.0	15.7	79	35 - 105	
2,4,5-Trichlorophenol	20.0	20.1	100	50 - 110	
2,4,6-Trichlorophenol	20.0	19.8	99	50 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	79	50 - 110
2-Fluorophenol (Surr)	85	20 - 110
Nitrobenzene-d5 (Surr)	80	40 - 110
Phenol-d5 (Surr)	83	10 - 115
Terphenyl-d14 (Surr)	63	50 - 135
2,4,6-Tribromophenol (Surr)	93	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-81948

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-81948/23-A	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81948	Lab File ID:	30422004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/22/2013 1027	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			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	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	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: 240-22804-1

Method Blank - Batch: 240-81948

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-81948/23-A	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81948	Lab File ID:	30422004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/22/2013 1027	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			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)	60	45 - 105
2-Fluorophenol (Surr)	66	35 - 105
Nitrobenzene-d5 (Surr)	59	35 - 100
Phenol-d5 (Surr)	67	40 - 100
Terphenyl-d14 (Surr)	68	30 - 125
2,4,6-Tribromophenol (Surr)	62	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-81948

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-81948/24-A	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81948	Lab File ID:	30422005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/22/2013 1053	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	546	82	45 - 110	
Acenaphthylene	667	546	82	45 - 105	
Anthracene	667	569	85	55 - 105	
Benzo[a]anthracene	667	557	84	50 - 110	
Benzo[a]pyrene	667	497	74	50 - 110	
Benzo[b]fluoranthene	667	530	79	45 - 115	
Benzo[g,h,i]perylene	667	531	80	40 - 125	
Benzoic acid	667	330	19	0 - 110	U
Benzo[k]fluoranthene	667	534	80	45 - 125	
Benzyl alcohol	667	484	73	20 - 125	
Bis(2-chloroethoxy)methane	667	538	81	45 - 110	
Bis(2-chloroethyl)ether	667	533	80	40 - 105	
bis (2-chloroisopropyl) ether	667	556	83	20 - 115	
Bis(2-ethylhexyl) phthalate	667	657	99	45 - 125	
4-Bromophenyl phenyl ether	667	558	84	45 - 115	
Butyl benzyl phthalate	667	596	89	50 - 125	
Carbazole	667	550	82	45 - 115	
4-Chloroaniline	667	415	62	10 - 110	
4-Chloro-3-methylphenol	667	507	76	45 - 115	
2-Chloronaphthalene	667	559	84	45 - 105	
2-Chlorophenol	667	577	87	45 - 105	
4-Chlorophenyl phenyl ether	667	587	88	45 - 110	
Chrysene	667	593	89	55 - 110	
Dibenz(a,h)anthracene	667	546	82	40 - 125	
Dibenzofuran	667	564	85	50 - 105	
1,2-Dichlorobenzene	667	545	82	45 - 110	
1,3-Dichlorobenzene	667	534	80	40 - 100	
1,4-Dichlorobenzene	667	538	81	35 - 105	
3,3'-Dichlorobenzidine	667	377	57	10 - 130	
2,4-Dichlorophenol	667	517	78	45 - 110	
Diethyl phthalate	667	626	94	50 - 115	
2,4-Dimethylphenol	667	488	73	30 - 105	
Dimethyl phthalate	667	617	93	50 - 110	
Di-n-butyl phthalate	667	584	88	55 - 110	
4,6-Dinitro-2-methylphenol	667	490	74	30 - 135	
2,4-Dinitrophenol	667	487	73	15 - 130	
2,4-Dinitrotoluene	667	682	102	50 - 115	
2,6-Dinitrotoluene	667	627	94	50 - 110	
Di-n-octyl phthalate	667	479	72	40 - 130	
Fluoranthene	667	597	90	55 - 115	
Fluorene	667	593	89	50 - 110	
Hexachlorobenzene	667	566	85	45 - 120	
Hexachlorobutadiene	667	536	80	40 - 115	
Hexachloroethane	667	534	80	35 - 110	
Indeno[1,2,3-cd]pyrene	667	506	76	40 - 120	
Isophorone	667	514	77	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-81948

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-81948/24-A	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81948	Lab File ID:	30422005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/22/2013 1053	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	04/15/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	510	76	45 - 105	
2-Methylphenol	667	563	84	40 - 105	
3 & 4 Methylphenol	1330	1150	86	40 - 105	
Naphthalene	667	526	79	40 - 105	
2-Nitroaniline	667	633	95	45 - 120	
3-Nitroaniline	667	566	85	25 - 110	
4-Nitroaniline	667	575	86	35 - 115	
Nitrobenzene	667	548	82	40 - 115	
2-Nitrophenol	667	562	84	40 - 110	
4-Nitrophenol	667	695	104	15 - 140	
N-Nitrosodi-n-propylamine	667	552	83	40 - 115	
N-Nitrosodiphenylamine	667	558	84	50 - 115	
Pentachlorophenol	667	432	65	25 - 120	
Phenanthrene	667	553	83	50 - 110	
Phenol	667	568	85	40 - 100	
Pyrene	667	632	95	45 - 125	
1,2,4-Trichlorobenzene	667	532	80	45 - 110	
2,4,5-Trichlorophenol	667	524	79	50 - 110	
2,4,6-Trichlorophenol	667	446	67	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	76	45 - 105
2-Fluorophenol (Surr)	77	35 - 105
Nitrobenzene-d5 (Surr)	75	35 - 100
Phenol-d5 (Surr)	81	40 - 100
Terphenyl-d14 (Surr)	67	30 - 125
2,4,6-Tribromophenol (Surr)	63	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82293 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82293/3	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30417003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1049	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	4.96	99	70 - 130	
Acenaphthylene	5.00	5.03	101	70 - 130	
Anthracene	5.00	4.91	98	70 - 130	
Benzo[a]anthracene	5.00	4.83	97	70 - 130	
Benzo[a]pyrene	5.00	4.93	99	70 - 130	
Benzo[b]fluoranthene	5.00	4.34	87	70 - 130	
Benzo[g,h,i]perylene	5.00	4.82	96	70 - 130	
Benzoic acid	10.0	9.32	93	70 - 130	
Benzo[k]fluoranthene	5.00	5.69	114	70 - 130	
Benzyl alcohol	5.00	4.44	89	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.87	97	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.90	98	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.77	95	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.92	98	70 - 130	
Butyl benzyl phthalate	5.00	4.80	96	70 - 130	
Carbazole	5.00	4.93	99	70 - 130	
4-Chloroaniline	5.00	5.03	101	70 - 130	
4-Chloro-3-methylphenol	5.00	4.97	99	70 - 130	
2-Chloronaphthalene	5.00	4.80	96	70 - 130	
2-Chlorophenol	5.00	4.85	97	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.12	102	70 - 130	
Chrysene	5.00	5.06	101	70 - 130	
Dibenz(a,h)anthracene	5.00	4.62	92	70 - 130	
Dibenzofuran	5.00	5.11	102	70 - 130	
1,2-Dichlorobenzene	5.00	4.97	99	70 - 130	
1,3-Dichlorobenzene	5.00	4.97	99	70 - 130	
1,4-Dichlorobenzene	5.00	5.03	101	70 - 130	
3,3'-Dichlorobenzidine	10.0	9.66	97	70 - 130	
2,4-Dichlorophenol	5.00	5.02	100	70 - 130	
Diethyl phthalate	5.00	4.87	97	70 - 130	
2,4-Dimethylphenol	5.00	4.77	95	70 - 130	
Dimethyl phthalate	5.00	5.00	100	70 - 130	
Di-n-butyl phthalate	5.00	4.62	92	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	8.99	90	70 - 130	
2,4-Dinitrophenol	10.0	9.43	94	70 - 130	
2,4-Dinitrotoluene	5.00	4.63	93	70 - 130	
2,6-Dinitrotoluene	5.00	5.19	104	70 - 130	
Di-n-octyl phthalate	5.00	3.97	79	70 - 130	
Fluoranthene	5.00	4.94	99	70 - 130	
Fluorene	5.00	5.06	101	70 - 130	
Hexachlorobenzene	5.00	5.05	101	70 - 130	
Hexachlorobutadiene	5.00	5.15	103	70 - 130	
Hexachloroethane	5.00	4.78	96	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70 - 130	
Isophorone	5.00	4.95	99	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82293 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82293/3	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30417003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1049	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	5.05	101	70 - 130	
2-Methylphenol	5.00	5.00	100	70 - 130	
3 & 4 Methylphenol	5.00	4.97	99	70 - 130	
Naphthalene	5.00	4.98	100	70 - 130	
2-Nitroaniline	5.00	4.63	93	70 - 130	
3-Nitroaniline	5.00	4.64	93	70 - 130	
4-Nitroaniline	5.00	5.16	103	70 - 130	
Nitrobenzene	5.00	4.99	100	70 - 130	
2-Nitrophenol	5.00	4.72	94	70 - 130	
4-Nitrophenol	10.0	8.78	88	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.76	95	70 - 130	
N-Nitrosodiphenylamine	10.0	9.82	98	70 - 130	
Pentachlorophenol	10.0	8.55	85	70 - 130	
Phenanthrene	5.00	4.88	98	70 - 130	
Phenol	5.00	4.96	99	70 - 130	
Pyrene	5.00	5.05	101	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.14	103	70 - 130	
2,4,5-Trichlorophenol	5.00	5.11	102	70 - 130	
2,4,6-Trichlorophenol	5.00	5.09	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	97	70 - 130
2-Fluorophenol (Surr)	98	50 - 150
Nitrobenzene-d5 (Surr)	91	50 - 150
Phenol-d5 (Surr)	93	50 - 150
Terphenyl-d14 (Surr)	93	50 - 150
2,4,6-Tribromophenol (Surr)	102	50 - 150

Method Reporting Limit Check - Batch: 240-82293 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82293/25	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30417025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1929	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	4.73	95	70 - 130	
Acenaphthylene	5.00	5.05	101	70 - 130	
Anthracene	5.00	5.00	100	70 - 130	
Benzo[a]anthracene	5.00	4.85	97	70 - 130	
Benzo[a]pyrene	5.00	5.14	103	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82293 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82293/25	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30417025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1929	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	4.66	93	70 - 130	
Benzo[g,h,i]perylene	5.00	5.00	100	70 - 130	
Benzoic acid	10.0	9.17	92	70 - 130	M
Benzo[k]fluoranthene	5.00	5.09	102	70 - 130	
Benzyl alcohol	5.00	2.94	59	70 - 130	^
Bis(2-chloroethoxy)methane	5.00	4.96	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.80	96	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.76	95	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.12	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.98	100	70 - 130	
Butyl benzyl phthalate	5.00	4.96	99	70 - 130	
Carbazole	5.00	5.03	101	70 - 130	
4-Chloroaniline	5.00	5.03	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.11	102	70 - 130	
2-Chloronaphthalene	5.00	4.84	97	70 - 130	
2-Chlorophenol	5.00	5.00	100	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.98	100	70 - 130	
Chrysene	5.00	4.83	97	70 - 130	
Dibenz(a,h)anthracene	5.00	5.01	100	70 - 130	
Dibenzofuran	5.00	4.86	97	70 - 130	
1,2-Dichlorobenzene	5.00	5.06	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.11	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.14	103	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.6	106	70 - 130	
2,4-Dichlorophenol	5.00	5.17	103	70 - 130	
Diethyl phthalate	5.00	4.68	94	70 - 130	
2,4-Dimethylphenol	5.00	4.92	98	70 - 130	
Dimethyl phthalate	5.00	4.90	98	70 - 130	
Di-n-butyl phthalate	5.00	4.84	97	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	7.50	75	70 - 130	
2,4-Dinitrophenol	10.0	7.16	72	70 - 130	
2,4-Dinitrotoluene	5.00	4.61	92	70 - 130	
2,6-Dinitrotoluene	5.00	5.03	101	70 - 130	
Di-n-octyl phthalate	5.00	4.54	91	70 - 130	
Fluoranthene	5.00	4.89	98	70 - 130	
Fluorene	5.00	4.99	100	70 - 130	
Hexachlorobenzene	5.00	4.91	98	70 - 130	
Hexachlorobutadiene	5.00	5.08	102	70 - 130	
Hexachloroethane	5.00	3.43	69	70 - 130	^
Indeno[1,2,3-cd]pyrene	5.00	5.01	100	70 - 130	
Isophorone	5.00	4.86	97	70 - 130	
2-Methylnaphthalene	5.00	4.96	99	70 - 130	
2-Methylphenol	5.00	4.90	98	70 - 130	
3 & 4 Methylphenol	5.00	5.14	103	70 - 130	
Naphthalene	5.00	5.00	100	70 - 130	
2-Nitroaniline	5.00	4.84	97	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82293 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82293/25	Analysis Batch:	240-82293	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30417025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1929	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	4.62	92	70 - 130	
4-Nitroaniline	5.00	5.41	108	70 - 130	
Nitrobenzene	5.00	4.77	95	70 - 130	
2-Nitrophenol	5.00	4.99	100	70 - 130	
4-Nitrophenol	10.0	8.68	87	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.88	98	70 - 130	
N-Nitrosodiphenylamine	10.0	10.0	100	70 - 130	
Pentachlorophenol	10.0	9.37	94	70 - 130	
Phenanthrene	5.00	4.88	98	70 - 130	
Phenol	5.00	5.02	100	70 - 130	
Pyrene	5.00	5.02	100	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.07	101	70 - 130	
2,4,5-Trichlorophenol	5.00	5.13	103	70 - 130	
2,4,6-Trichlorophenol	5.00	4.87	97	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	94	70 - 130
2-Fluorophenol (Surr)	96	50 - 150
Nitrobenzene-d5 (Surr)	91	50 - 150
Phenol-d5 (Surr)	96	50 - 150
Terphenyl-d14 (Surr)	95	50 - 150
2,4,6-Tribromophenol (Surr)	103	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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:	Solid	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: 240-22804-1

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:	Solid	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:	Solid	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: 240-22804-1

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:	Solid	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: 240-22804-1

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:	Solid	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: 240-22804-1

Method Reporting Limit Check - Batch: 240-83126 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83126/3	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30423003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/23/2013 1017	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	5.11	102	70 - 130	
Acenaphthylene	5.00	5.04	101	70 - 130	
Anthracene	5.00	5.17	103	70 - 130	
Benzo[a]anthracene	5.00	4.93	99	70 - 130	
Benzo[a]pyrene	5.00	5.01	100	70 - 130	
Benzo[b]fluoranthene	5.00	4.95	99	70 - 130	
Benzo[g,h,i]perylene	5.00	5.50	110	70 - 130	
Benzoic acid	10.0	8.75	88	70 - 130	M
Benzo[k]fluoranthene	5.00	5.29	106	70 - 130	
Benzyl alcohol	5.00	4.78	96	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.81	96	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.83	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.64	93	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.35	107	70 - 130	
Butyl benzyl phthalate	5.00	4.78	96	70 - 130	
Carbazole	5.00	4.91	98	70 - 130	
4-Chloroaniline	5.00	5.12	102	70 - 130	
4-Chloro-3-methylphenol	5.00	4.91	98	70 - 130	
2-Chloronaphthalene	5.00	5.04	101	70 - 130	
2-Chlorophenol	5.00	4.94	99	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.96	99	70 - 130	
Chrysene	5.00	4.95	99	70 - 130	
Dibenz(a,h)anthracene	5.00	5.53	111	70 - 130	
Dibenzofuran	5.00	4.97	99	70 - 130	
1,2-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,3-Dichlorobenzene	5.00	5.02	100	70 - 130	
1,4-Dichlorobenzene	5.00	4.91	98	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.1	101	70 - 130	
2,4-Dichlorophenol	5.00	4.94	99	70 - 130	
Diethyl phthalate	5.00	4.99	100	70 - 130	
2,4-Dimethylphenol	5.00	4.91	98	70 - 130	
Dimethyl phthalate	5.00	5.35	107	70 - 130	
Di-n-butyl phthalate	5.00	4.95	99	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	9.76	98	70 - 130	
2,4-Dinitrophenol	10.0	10.5	105	70 - 130	
2,4-Dinitrotoluene	5.00	5.24	105	70 - 130	
2,6-Dinitrotoluene	5.00	5.50	110	70 - 130	
Di-n-octyl phthalate	5.00	4.06	81	70 - 130	
Fluoranthene	5.00	5.08	102	70 - 130	
Fluorene	5.00	5.11	102	70 - 130	
Hexachlorobenzene	5.00	5.68	114	70 - 130	
Hexachlorobutadiene	5.00	5.09	102	70 - 130	
Hexachloroethane	5.00	5.06	101	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.29	106	70 - 130	
Isophorone	5.00	4.86	97	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83126 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83126/3	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30423003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/23/2013 1017	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	4.99	100	70 - 130	
2-Methylphenol	5.00	4.93	99	70 - 130	
3 & 4 Methylphenol	5.00	4.88	98	70 - 130	
Naphthalene	5.00	5.00	100	70 - 130	
2-Nitroaniline	5.00	5.27	105	70 - 130	
3-Nitroaniline	5.00	5.59	112	70 - 130	
4-Nitroaniline	5.00	4.48	90	70 - 130	
Nitrobenzene	5.00	5.05	101	70 - 130	
2-Nitrophenol	5.00	5.11	102	70 - 130	
4-Nitrophenol	10.0	10.2	102	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.87	97	70 - 130	
N-Nitrosodiphenylamine	10.0	10.8	108	70 - 130	
Pentachlorophenol	10.0	9.81	98	70 - 130	
Phenanthrene	5.00	4.97	99	70 - 130	
Phenol	5.00	4.84	97	70 - 130	
Pyrene	5.00	5.26	105	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.08	102	70 - 130	
2,4,5-Trichlorophenol	5.00	5.50	110	70 - 130	
2,4,6-Trichlorophenol	5.00	5.05	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	99	50 - 150
2-Fluorophenol (Surr)	96	50 - 150
Nitrobenzene-d5 (Surr)	98	50 - 150
Phenol-d5 (Surr)	98	50 - 150
Terphenyl-d14 (Surr)	97	50 - 150
2,4,6-Tribromophenol (Surr)	105	50 - 150

Method Reporting Limit Check - Batch: 240-83126 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83126/22	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30423022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/23/2013 1827	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	4.96	99	70 - 130	
Acenaphthylene	5.00	5.12	102	70 - 130	
Anthracene	5.00	5.10	102	70 - 130	
Benzo[a]anthracene	5.00	5.01	100	70 - 130	
Benzo[a]pyrene	5.00	4.90	98	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83126 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83126/22	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30423022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/23/2013 1827	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	4.90	98	70 - 130	
Benzo[g,h,i]perylene	5.00	5.61	112	70 - 130	
Benzoic acid	10.0	8.04	80	70 - 130	M
Benzo[k]fluoranthene	5.00	4.65	93	70 - 130	
Benzyl alcohol	5.00	4.89	98	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.98	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.65	93	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.78	96	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.87	117	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.45	109	70 - 130	
Butyl benzyl phthalate	5.00	5.44	109	70 - 130	
Carbazole	5.00	5.14	103	70 - 130	
4-Chloroaniline	5.00	5.04	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.05	101	70 - 130	
2-Chloronaphthalene	5.00	4.94	99	70 - 130	
2-Chlorophenol	5.00	4.94	99	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.17	103	70 - 130	
Chrysene	5.00	5.01	100	70 - 130	
Dibenz(a,h)anthracene	5.00	5.54	111	70 - 130	
Dibenzofuran	5.00	5.05	101	70 - 130	
1,2-Dichlorobenzene	5.00	4.97	99	70 - 130	
1,3-Dichlorobenzene	5.00	4.98	100	70 - 130	
1,4-Dichlorobenzene	5.00	4.91	98	70 - 130	
3,3'-Dichlorobenzidine	10.0	11.1	111	70 - 130	
2,4-Dichlorophenol	5.00	5.02	100	70 - 130	
Diethyl phthalate	5.00	4.97	99	70 - 130	
2,4-Dimethylphenol	5.00	4.85	97	70 - 130	
Dimethyl phthalate	5.00	5.44	109	70 - 130	
Di-n-butyl phthalate	5.00	5.55	111	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	8.51	85	70 - 130	
2,4-Dinitrophenol	10.0	4.89	49	70 - 130	^
2,4-Dinitrotoluene	5.00	5.29	106	70 - 130	
2,6-Dinitrotoluene	5.00	5.47	109	70 - 130	
Di-n-octyl phthalate	5.00	4.69	94	70 - 130	
Fluoranthene	5.00	5.24	105	70 - 130	
Fluorene	5.00	5.08	102	70 - 130	
Hexachlorobenzene	5.00	5.50	110	70 - 130	
Hexachlorobutadiene	5.00	5.02	100	70 - 130	
Hexachloroethane	5.00	4.88	98	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.41	108	70 - 130	
Isophorone	5.00	4.94	99	70 - 130	
2-Methylnaphthalene	5.00	4.94	99	70 - 130	
2-Methylphenol	5.00	4.95	99	70 - 130	
3 & 4 Methylphenol	5.00	5.04	101	70 - 130	
Naphthalene	5.00	4.77	95	70 - 130	
2-Nitroaniline	5.00	5.33	107	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83126 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83126/22	Analysis Batch:	240-83126	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30423022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/23/2013 1827	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	5.75	115	70 - 130	
4-Nitroaniline	5.00	4.96	99	70 - 130	
Nitrobenzene	5.00	4.84	97	70 - 130	
2-Nitrophenol	5.00	5.01	100	70 - 130	
4-Nitrophenol	10.0	9.93	99	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.02	100	70 - 130	
N-Nitrosodiphenylamine	10.0	10.8	108	70 - 130	
Pentachlorophenol	10.0	9.60	96	70 - 130	
Phenanthrene	5.00	4.87	97	70 - 130	
Phenol	5.00	4.84	97	70 - 130	
Pyrene	5.00	5.44	109	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.82	96	70 - 130	
2,4,5-Trichlorophenol	5.00	5.19	104	70 - 130	
2,4,6-Trichlorophenol	5.00	4.95	99	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	98	50 - 150
2-Fluorophenol (Surr)	96	50 - 150
Nitrobenzene-d5 (Surr)	95	50 - 150
Phenol-d5 (Surr)	96	50 - 150
Terphenyl-d14 (Surr)	99	50 - 150
2,4,6-Tribromophenol (Surr)	107	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-83486

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-83486/23-A	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-83486	Lab File ID:	30428006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/28/2013 1655	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			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: 240-22804-1

Method Blank - Batch: 240-83486

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-83486/23-A	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-83486	Lab File ID:	30428006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/28/2013 1655	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			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)	70	45 - 105
2-Fluorophenol (Surr)	71	35 - 105
Nitrobenzene-d5 (Surr)	67	35 - 100
Phenol-d5 (Surr)	77	40 - 100
Terphenyl-d14 (Surr)	66	30 - 125
2,4,6-Tribromophenol (Surr)	60	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-83486

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-83486/24-A	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-83486	Lab File ID:	30428007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/28/2013 1721	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	495	74	45 - 110	
Acenaphthylene	667	521	78	45 - 105	
Anthracene	667	542	81	55 - 105	
Benzo[a]anthracene	667	539	81	50 - 110	
Benzo[a]pyrene	667	473	71	50 - 110	
Benzo[b]fluoranthene	667	509	76	45 - 115	
Benzo[g,h,i]perylene	667	530	79	40 - 125	
Benzoic acid	667	330	0	0 - 110	U
Benzo[k]fluoranthene	667	499	75	45 - 125	
Benzyl alcohol	667	493	74	20 - 125	
Bis(2-chloroethoxy)methane	667	523	79	45 - 110	
Bis(2-chloroethyl)ether	667	484	73	40 - 105	
bis (2-chloroisopropyl) ether	667	514	77	20 - 115	
Bis(2-ethylhexyl) phthalate	667	645	97	45 - 125	
4-Bromophenyl phenyl ether	667	515	77	45 - 115	
Butyl benzyl phthalate	667	612	92	50 - 125	
Carbazole	667	528	79	45 - 115	
4-Chloroaniline	667	361	54	10 - 110	
4-Chloro-3-methylphenol	667	520	78	45 - 115	
2-Chloronaphthalene	667	523	78	45 - 105	
2-Chlorophenol	667	511	77	45 - 105	
4-Chlorophenyl phenyl ether	667	507	76	45 - 110	
Chrysene	667	559	84	55 - 110	
Dibenz(a,h)anthracene	667	547	82	40 - 125	
Dibenzofuran	667	488	73	50 - 105	
1,2-Dichlorobenzene	667	464	70	45 - 110	
1,3-Dichlorobenzene	667	458	69	40 - 100	
1,4-Dichlorobenzene	667	449	67	35 - 105	
3,3'-Dichlorobenzidine	667	297	45	10 - 130	
2,4-Dichlorophenol	667	497	74	45 - 110	
Diethyl phthalate	667	581	87	50 - 115	
2,4-Dimethylphenol	667	407	61	30 - 105	
Dimethyl phthalate	667	556	83	50 - 110	
Di-n-butyl phthalate	667	557	84	55 - 110	
4,6-Dinitro-2-methylphenol	667	450	68	30 - 135	
2,4-Dinitrophenol	667	438	66	15 - 130	
2,4-Dinitrotoluene	667	612	92	50 - 115	
2,6-Dinitrotoluene	667	583	87	50 - 110	
Di-n-octyl phthalate	667	500	75	40 - 130	
Fluoranthene	667	531	80	55 - 115	
Fluorene	667	517	78	50 - 110	
Hexachlorobenzene	667	477	72	45 - 120	
Hexachlorobutadiene	667	428	64	40 - 115	
Hexachloroethane	667	458	69	35 - 110	
Indeno[1,2,3-cd]pyrene	667	520	78	40 - 120	
Isophorone	667	502	75	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-83486

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-83486/24-A	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-83486	Lab File ID:	30428007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/28/2013 1721	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/25/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	462	69	45 - 105	
2-Methylphenol	667	512	77	40 - 105	
3 & 4 Methylphenol	1330	1050	79	40 - 105	
Naphthalene	667	478	72	40 - 105	
2-Nitroaniline	667	598	90	45 - 120	
3-Nitroaniline	667	534	80	25 - 110	
4-Nitroaniline	667	535	80	35 - 115	
Nitrobenzene	667	496	74	40 - 115	
2-Nitrophenol	667	493	74	40 - 110	
4-Nitrophenol	667	624	94	15 - 140	
N-Nitrosodi-n-propylamine	667	502	75	40 - 115	
N-Nitrosodiphenylamine	667	506	76	50 - 115	
Pentachlorophenol	667	393	59	25 - 120	
Phenanthrene	667	525	79	50 - 110	
Phenol	667	525	79	40 - 100	
Pyrene	667	592	89	45 - 125	
1,2,4-Trichlorobenzene	667	451	68	45 - 110	
2,4,5-Trichlorophenol	667	537	81	50 - 110	
2,4,6-Trichlorophenol	667	524	79	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	45 - 105
2-Fluorophenol (Surr)	70	35 - 105
Nitrobenzene-d5 (Surr)	67	35 - 100
Phenol-d5 (Surr)	73	40 - 100
Terphenyl-d14 (Surr)	60	30 - 125
2,4,6-Tribromophenol (Surr)	68	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83882/3	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30428003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/28/2013 1538	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	5.09	102	70 - 130	
Acenaphthylene	5.00	5.21	104	70 - 130	
Anthracene	5.00	5.17	103	70 - 130	
Benzo[a]anthracene	5.00	5.07	101	70 - 130	
Benzo[a]pyrene	5.00	5.13	103	70 - 130	
Benzo[b]fluoranthene	5.00	5.02	100	70 - 130	
Benzo[g,h,i]perylene	5.00	5.58	112	70 - 130	
Benzoic acid	10.0	8.60	86	70 - 130	M
Benzo[k]fluoranthene	5.00	5.09	102	70 - 130	
Benzyl alcohol	5.00	5.60	112	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.32	106	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.46	109	70 - 130	
bis (2-chloroisopropyl) ether	5.00	5.47	109	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.76	115	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.72	94	70 - 130	
Butyl benzyl phthalate	5.00	5.67	113	70 - 130	
Carbazole	5.00	5.13	103	70 - 130	
4-Chloroaniline	5.00	5.17	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.06	101	70 - 130	
2-Chloronaphthalene	5.00	5.25	105	70 - 130	
2-Chlorophenol	5.00	5.36	107	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.96	99	70 - 130	
Chrysene	5.00	5.15	103	70 - 130	
Dibenz(a,h)anthracene	5.00	5.49	110	70 - 130	
Dibenzofuran	5.00	4.96	99	70 - 130	
1,2-Dichlorobenzene	5.00	5.30	106	70 - 130	
1,3-Dichlorobenzene	5.00	5.19	104	70 - 130	
1,4-Dichlorobenzene	5.00	5.17	103	70 - 130	
3,3'-Dichlorobenzidine	10.0	11.1	111	70 - 130	
2,4-Dichlorophenol	5.00	5.11	102	70 - 130	
Diethyl phthalate	5.00	5.47	109	70 - 130	
2,4-Dimethylphenol	5.00	5.17	103	70 - 130	
Dimethyl phthalate	5.00	5.30	106	70 - 130	
Di-n-butyl phthalate	5.00	5.17	103	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	9.27	93	70 - 130	
2,4-Dinitrophenol	10.0	11.2	112	70 - 130	
2,4-Dinitrotoluene	5.00	5.57	111	70 - 130	
2,6-Dinitrotoluene	5.00	5.50	110	70 - 130	
Di-n-octyl phthalate	5.00	4.87	97	70 - 130	
Fluoranthene	5.00	5.01	100	70 - 130	
Fluorene	5.00	4.96	99	70 - 130	
Hexachlorobenzene	5.00	4.47	89	70 - 130	
Hexachlorobutadiene	5.00	4.71	94	70 - 130	
Hexachloroethane	5.00	5.10	102	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.34	107	70 - 130	
Isophorone	5.00	5.20	104	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83882/3	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30428003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/28/2013 1538	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	4.86	97	70 - 130	
2-Methylphenol	5.00	5.45	109	70 - 130	
3 & 4 Methylphenol	5.00	5.51	110	70 - 130	
Naphthalene	5.00	4.98	100	70 - 130	
2-Nitroaniline	5.00	5.70	114	70 - 130	
3-Nitroaniline	5.00	6.05	121	70 - 130	
4-Nitroaniline	5.00	5.41	108	70 - 130	
Nitrobenzene	5.00	5.13	103	70 - 130	
2-Nitrophenol	5.00	5.29	106	70 - 130	
4-Nitrophenol	10.0	11.5	115	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.35	107	70 - 130	
N-Nitrosodiphenylamine	10.0	9.71	97	70 - 130	
Pentachlorophenol	10.0	8.77	88	70 - 130	
Phenanthrene	5.00	4.96	99	70 - 130	
Phenol	5.00	5.50	110	70 - 130	
Pyrene	5.00	5.69	114	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.91	98	70 - 130	
2,4,5-Trichlorophenol	5.00	5.41	108	70 - 130	
2,4,6-Trichlorophenol	5.00	5.37	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	105		50 - 150
Nitrobenzene-d5 (Surr)	98		50 - 150
Phenol-d5 (Surr)	107	Q	50 - 150
Terphenyl-d14 (Surr)	100		50 - 150
2,4,6-Tribromophenol (Surr)	101		50 - 150

Method Reporting Limit Check - Batch: 240-83882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83882/13	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30428013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/28/2013 1957	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	4.87	97	70 - 130	
Acenaphthylene	5.00	5.15	103	70 - 130	
Anthracene	5.00	5.13	103	70 - 130	
Benzo[a]anthracene	5.00	5.07	101	70 - 130	
Benzo[a]pyrene	5.00	5.08	102	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-83882/13	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30428013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/28/2013 1957	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	5.30	106	70 - 130	
Benzo[g,h,i]perylene	5.00	5.48	110	70 - 130	
Benzoic acid	10.0	6.46	65	70 - 130	^ M
Benzo[k]fluoranthene	5.00	4.88	98	70 - 130	
Benzyl alcohol	5.00	5.37	107	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.27	105	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.14	103	70 - 130	
bis (2-chloroisopropyl) ether	5.00	5.37	107	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.69	114	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.65	93	70 - 130	
Butyl benzyl phthalate	5.00	5.53	111	70 - 130	
Carbazole	5.00	5.01	100	70 - 130	
4-Chloroaniline	5.00	5.07	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.06	101	70 - 130	
2-Chloronaphthalene	5.00	5.17	103	70 - 130	
2-Chlorophenol	5.00	5.15	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.82	96	70 - 130	
Chrysene	5.00	4.97	99	70 - 130	
Dibenz(a,h)anthracene	5.00	5.34	107	70 - 130	
Dibenzofuran	5.00	4.88	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.06	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.11	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.03	101	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.8	108	70 - 130	
2,4-Dichlorophenol	5.00	5.03	101	70 - 130	
Diethyl phthalate	5.00	5.30	106	70 - 130	
2,4-Dimethylphenol	5.00	5.05	101	70 - 130	
Dimethyl phthalate	5.00	5.15	103	70 - 130	
Di-n-butyl phthalate	5.00	5.05	101	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	8.24	82	70 - 130	
2,4-Dinitrophenol	10.0	7.81	78	70 - 130	
2,4-Dinitrotoluene	5.00	5.56	111	70 - 130	
2,6-Dinitrotoluene	5.00	5.46	109	70 - 130	
Di-n-octyl phthalate	5.00	4.90	98	70 - 130	
Fluoranthene	5.00	4.92	98	70 - 130	
Fluorene	5.00	4.97	99	70 - 130	
Hexachlorobenzene	5.00	4.39	88	70 - 130	
Hexachlorobutadiene	5.00	4.64	93	70 - 130	
Hexachloroethane	5.00	4.99	100	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.38	108	70 - 130	
Isophorone	5.00	5.23	105	70 - 130	
2-Methylnaphthalene	5.00	4.76	95	70 - 130	
2-Methylphenol	5.00	5.33	107	70 - 130	
3 & 4 Methylphenol	5.00	5.32	106	70 - 130	
Naphthalene	5.00	4.99	100	70 - 130	
2-Nitroaniline	5.00	5.72	114	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-83882

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-83882/13	Analysis Batch:	240-83882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30428013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/28/2013 1957	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	5.90	118	70 - 130	
4-Nitroaniline	5.00	5.39	108	70 - 130	
Nitrobenzene	5.00	5.14	103	70 - 130	
2-Nitrophenol	5.00	5.13	103	70 - 130	
4-Nitrophenol	10.0	11.3	113	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.29	106	70 - 130	
N-Nitrosodiphenylamine	10.0	9.46	95	70 - 130	
Pentachlorophenol	10.0	8.54	85	70 - 130	
Phenanthrene	5.00	4.88	98	70 - 130	
Phenol	5.00	5.31	106	70 - 130	
Pyrene	5.00	5.62	112	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.82	96	70 - 130	
2,4,5-Trichlorophenol	5.00	5.21	104	70 - 130	
2,4,6-Trichlorophenol	5.00	5.39	108	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	99		50 - 150
Nitrobenzene-d5 (Surr)	100		50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150
Terphenyl-d14 (Surr)	98		50 - 150
2,4,6-Tribromophenol (Surr)	100		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-80861

Method: 8015B_DRO/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-80861/11-A	Analysis Batch:	240-81310	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-80861	Lab File ID:	P5B10011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/10/2013 1643	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1003			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
C10-C20	240	U	240	500
C20-C34	240	U	240	500

Surrogate	% Rec	Acceptance Limits
n-Nonane	54	10 - 110

Lab Control Sample - Batch: 240-80861

Method: 8015B_DRO/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-80861/12-A	Analysis Batch:	240-81310	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-80861	Lab File ID:	P5B10012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/10/2013 1714	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1003			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	2500	2150	86	36 - 124	

Surrogate	% Rec	Acceptance Limits
n-Nonane	63	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-81310 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-81310/10	Analysis Batch:	240-81310	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5B10010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/10/2013 1613	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
Diesel	100	99.4	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	100	70 - 130

Method Reporting Limit Check - Batch: 240-81310 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-81310/15	Analysis Batch:	240-81310	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5B10015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/10/2013 1846	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
Diesel	100	103	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
n-Nonane	104	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-82097

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-82097/23-A	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-82097	Lab File ID:	P6F18012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/18/2013 2041	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
C10-C20	9.3	U	9.3	17
C20-C34	9.3	U	9.3	17

Surrogate	% Rec	Acceptance Limits
n-Nonane	50	10 - 110

Lab Control Sample - Batch: 240-82097

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-82097/24-A	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-82097	Lab File ID:	P6F18013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/18/2013 2113	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1004			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	59.4	71	47 - 138	

Surrogate	% Rec	Acceptance Limits
n-Nonane	48	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-82109

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-82109/20-A	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	240-82109	Lab File ID:	P5B17012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/17/2013 1925	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
C10-C20	9.3	U	9.3	17
C20-C34	9.3	U	9.3	17

Surrogate	% Rec	Acceptance Limits
n-Nonane	48	10 - 110

Lab Control Sample - Batch: 240-82109

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-82109/21-A	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	240-82109	Lab File ID:	P5B17013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/17/2013 1955	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	73.6	88	47 - 138	

Surrogate	% Rec	Acceptance Limits
n-Nonane	57	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-82109

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22804-4	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	240-82109	Lab File ID:	P5B17017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.28 g
Analysis Date:	04/17/2013 2157			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-22804-4	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	240-82109	Lab File ID:	P5B17018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.77 g
Analysis Date:	04/17/2013 2227			Final Weight/Volume:	5 mL
Prep Date:	04/16/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel	74	81	10 - 199	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
n-Nonane	42	55	10 - 110

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-82109

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22804-4	Units:	mg/Kg	MSD Lab Sample ID:	240-22804-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/17/2013 2157			Analysis Date:	04/17/2013 2227
Prep Date:	04/16/2013 1036			Prep Date:	04/16/2013 1036
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Diesel	11	U	97.3	99.0	72.1	80.1

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82321 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82321/11	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P5B17011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1855	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
Diesel	100	100	100	70 - 130	

Surrogate	% Rec	Acceptance Limits
n-Nonane	101	70 - 130

Method Reporting Limit Check - Batch: 240-82321 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82321/36	Analysis Batch:	240-82321	Instrument ID:	A2HP5R
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P5B17036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 0737	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
Diesel	100	98.9	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	101	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-82537 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82537/6	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P6F18006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 1732	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
Diesel	100	102	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
n-Nonane	90	70 - 130

Method Reporting Limit Check - Batch: 240-82537 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82537/39	Analysis Batch:	240-82537	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P6F18039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1049	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
Diesel	100	98.1	98	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	105	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-80943

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-80943/2-A	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-80943	Lab File ID:	P3041623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/16/2013 1940	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.010	U	0.0096	0.050
4,4'-DDE	0.010	U	0.0097	0.050
4,4'-DDT	0.030	U	0.016	0.050
Aldrin	0.010	U	0.0082	0.050
alpha-BHC	0.010	U	0.0070	0.050
alpha-Chlordane	0.014	U	0.014	0.050
beta-BHC	0.010	U	0.0084	0.050
delta-BHC	0.010	U	0.0087	0.050
Dieldrin	0.010	U	0.0075	0.050
Endosulfan I	0.013	U	0.013	0.050
Endosulfan II	0.012	U	0.012	0.050
Endosulfan sulfate	0.011	U	0.011	0.050
Endrin	0.011	U	0.011	0.050
Endrin aldehyde	0.011	U	0.011	0.050
Endrin ketone	0.010	U	0.0078	0.050
gamma-BHC (Lindane)	0.010	U	0.0064	0.050
gamma-Chlordane	0.012	U	0.012	0.050
Heptachlor	0.010	U	0.0080	0.050
Heptachlor epoxide	0.010	U	0.0071	0.050
Methoxychlor	0.032	U	0.032	0.10
Toxaphene	0.50	U	0.32	2.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	30 - 135
Tetrachloro-m-xylene	73	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	90	30 - 135
Tetrachloro-m-xylene	74	25 - 140

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 240-80943

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-80943/3-A	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-80943	Lab File ID:	P3041624.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/16/2013 2000	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.522	104	25 - 150	
4,4'-DDE	0.500	0.471	94	35 - 140	
4,4'-DDT	0.500	0.567	113	45 - 140	
Aldrin	0.500	0.422	84	25 - 140	
alpha-BHC	0.500	0.475	95	60 - 130	
alpha-Chlordane	0.500	0.470	94	65 - 125	
beta-BHC	0.500	0.470	94	65 - 125	
delta-BHC	0.500	0.529	106	45 - 135	
Dieldrin	0.500	0.491	98	60 - 130	
Endosulfan I	0.500	0.393	79	50 - 110	
Endosulfan II	0.500	0.423	85	30 - 130	
Endosulfan sulfate	0.500	0.483	97	55 - 135	
Endrin	0.500	0.506	101	55 - 135	
Endrin aldehyde	0.500	0.435	87	55 - 135	
Endrin ketone	0.500	0.475	95	75 - 125	
gamma-BHC (Lindane)	0.500	0.488	98	25 - 135	
gamma-Chlordane	0.500	0.496	99	60 - 125	
Heptachlor	0.500	0.498	100	40 - 130	
Heptachlor epoxide	0.500	0.487	97	60 - 130	
Methoxychlor	0.500	0.550	110	55 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	31	30 - 135
Tetrachloro-m-xylene	74	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	32	30 - 135
Tetrachloro-m-xylene	73	25 - 140

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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: 240-22804-1

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: 240-82129

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82129/14	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/16/2013 1639	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	0.00555	111	70 - 130	
4,4'-DDE	0.00500	0.00497	99	70 - 130	J
4,4'-DDT	0.00500	0.00522	104	70 - 130	
Aldrin	0.00500	0.00497	99	70 - 130	J
alpha-BHC	0.00500	0.00486	97	70 - 130	J
alpha-Chlordane	0.00500	0.00540	108	70 - 130	
beta-BHC	0.00500	0.00568	114	70 - 130	
delta-BHC	0.00500	0.00497	99	70 - 130	J
Dieldrin	0.00500	0.00525	105	70 - 130	
Endosulfan I	0.00500	0.00555	111	70 - 130	
Endosulfan II	0.00500	0.00556	111	70 - 130	
Endosulfan sulfate	0.00500	0.00566	113	70 - 130	
Endrin	0.00500	0.00556	111	70 - 130	
Endrin aldehyde	0.00500	0.00570	114	70 - 130	
Endrin ketone	0.00500	0.00559	112	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00498	100	70 - 130	J
gamma-Chlordane	0.00500	0.00522	104	70 - 130	
Heptachlor	0.00500	0.00578	116	70 - 130	
Heptachlor epoxide	0.00500	0.00544	109	70 - 130	
Methoxychlor	0.00500	0.00682	136	70 - 130	J ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	50 - 150
Tetrachloro-m-xylene	98	50 - 150

Method Reporting Limit Check - Batch: 240-82129

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82129/14	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/16/2013 1639	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	0.00560	112	70 - 130	
4,4'-DDE	0.00500	0.00490	98	70 - 130	J
4,4'-DDT	0.00500	0.00509	102	70 - 130	
Aldrin	0.00500	0.00515	103	70 - 130	
alpha-BHC	0.00500	0.00504	101	70 - 130	
alpha-Chlordane	0.00500	0.00547	109	70 - 130	
beta-BHC	0.00500	0.00631	126	70 - 130	
delta-BHC	0.00500	0.00537	107	70 - 130	

Method Reporting Limit Check - Batch: 240-82129 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82129/14	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/16/2013 1639	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	0.00524	105	70 - 130	
Endosulfan I	0.00500	0.00571	114	70 - 130	
Endosulfan II	0.00500	0.00598	120	70 - 130	
Endosulfan sulfate	0.00500	0.00597	119	70 - 130	
Endrin	0.00500	0.00567	113	70 - 130	
Endrin aldehyde	0.00500	0.00617	123	70 - 130	
Endrin ketone	0.00500	0.00589	118	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00552	110	70 - 130	
Heptachlor	0.00500	0.00582	116	70 - 130	
Heptachlor epoxide	0.00500	0.00567	113	70 - 130	
Methoxychlor	0.00500	0.00641	128	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	124	50 - 150
Tetrachloro-m-xylene	92	50 - 150

Method Reporting Limit Check - Batch: 240-82129 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82129/51	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041651.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 0505	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	0.00584	117	70 - 130	
4,4'-DDE	0.00500	0.00536	107	70 - 130	
4,4'-DDT	0.00500	0.00570	114	70 - 130	
Aldrin	0.00500	0.00542	108	70 - 130	
alpha-BHC	0.00500	0.00535	107	70 - 130	
alpha-Chlordane	0.00500	0.00590	118	70 - 130	
beta-BHC	0.00500	0.00610	122	70 - 130	
delta-BHC	0.00500	0.00537	107	70 - 130	
Dieldrin	0.00500	0.00566	113	70 - 130	
Endosulfan I	0.00500	0.00602	120	70 - 130	
Endosulfan II	0.00500	0.00588	118	70 - 130	
Endosulfan sulfate	0.00500	0.00600	120	70 - 130	
Endrin	0.00500	0.00589	118	70 - 130	
Endrin aldehyde	0.00500	0.00620	124	70 - 130	
Endrin ketone	0.00500	0.00608	122	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00554	111	70 - 130	

Method Reporting Limit Check - Batch: 240-82129

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82129/51	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041651.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 0505	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	0.00576	115	70 - 130	
Heptachlor	0.00500	0.00631	126	70 - 130	
Heptachlor epoxide	0.00500	0.00591	118	70 - 130	
Methoxychlor	0.00500	0.00722	144	70 - 130	J ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	127	50 - 150
Tetrachloro-m-xylene	107	50 - 150

Method Reporting Limit Check - Batch: 240-82129

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82129/51	Analysis Batch:	240-82129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041651.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 0505	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	0.00558	112	70 - 130	
4,4'-DDE	0.00500	0.00536	107	70 - 130	
4,4'-DDT	0.00500	0.00576	115	70 - 130	
Aldrin	0.00500	0.00566	113	70 - 130	
alpha-BHC	0.00500	0.00559	112	70 - 130	
alpha-Chlordane	0.00500	0.00604	121	70 - 130	
beta-BHC	0.00500	0.00683	137	70 - 130	^
delta-BHC	0.00500	0.00575	115	70 - 130	
Dieldrin	0.00500	0.00574	115	70 - 130	
Endosulfan I	0.00500	0.00628	126	70 - 130	
Endosulfan II	0.00500	0.00682	136	70 - 130	^
Endosulfan sulfate	0.00500	0.00651	130	70 - 130	
Endrin	0.00500	0.00623	125	70 - 130	
Endrin aldehyde	0.00500	0.00675	135	70 - 130	^
Endrin ketone	0.00500	0.00656	131	70 - 130	^
gamma-BHC (Lindane)	0.00500	0.00594	119	70 - 130	
gamma-Chlordane	0.00500	0.00608	122	70 - 130	
Heptachlor	0.00500	0.00634	127	70 - 130	
Heptachlor epoxide	0.00500	0.00624	125	70 - 130	
Methoxychlor	0.00500	0.00710	142	70 - 130	J ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	130	50 - 150
Tetrachloro-m-xylene	101	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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:	Solid	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:	Solid	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	

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:	Solid	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:	Solid	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: 240-22804-1

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:	Solid	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:	Solid	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

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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: 240-22804-1

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

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:	Solid	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:	Solid	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	

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:	Solid	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:	Solid	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	

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:	Solid	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:	Solid	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

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/8	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042508.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1017	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	0.00571	114	70 - 130	
4,4'-DDE	0.00500	0.00589	118	70 - 130	
4,4'-DDT	0.00500	0.00545	109	70 - 130	
Aldrin	0.00500	0.00586	117	70 - 130	
alpha-BHC	0.00500	0.00522	104	70 - 130	
alpha-Chlordane	0.00500	0.00587	117	70 - 130	
beta-BHC	0.00500	0.00595	119	70 - 130	
delta-BHC	0.00500	0.00512	102	70 - 130	
Dieldrin	0.00500	0.00594	119	70 - 130	
Endosulfan I	0.00500	0.00578	116	70 - 130	
Endosulfan II	0.00500	0.00603	121	70 - 130	
Endosulfan sulfate	0.00500	0.00624	125	70 - 130	
Endrin	0.00500	0.00569	114	70 - 130	
Endrin aldehyde	0.00500	0.00615	123	70 - 130	
Endrin ketone	0.00500	0.00605	121	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00523	105	70 - 130	
gamma-Chlordane	0.00500	0.00572	114	70 - 130	
Heptachlor	0.00500	0.00546	109	70 - 130	
Heptachlor epoxide	0.00500	0.00569	114	70 - 130	
Methoxychlor	0.00500	0.00633	127	70 - 130	J

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	134	Q	50 - 150
Tetrachloro-m-xylene	119		50 - 150

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/8	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042508.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1017	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	0.00586	117	70 - 130	
4,4'-DDE	0.00500	0.00575	115	70 - 130	
4,4'-DDT	0.00500	0.00566	113	70 - 130	
Aldrin	0.00500	0.00584	117	70 - 130	
alpha-BHC	0.00500	0.00507	101	70 - 130	
alpha-Chlordane	0.00500	0.00577	115	70 - 130	
beta-BHC	0.00500	0.00601	120	70 - 130	
delta-BHC	0.00500	0.00513	103	70 - 130	

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/8	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042508.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1017	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	0.00553	111	70 - 130	
Endosulfan I	0.00500	0.00567	113	70 - 130	
Endosulfan II	0.00500	0.00614	123	70 - 130	
Endosulfan sulfate	0.00500	0.00636	127	70 - 130	
Endrin	0.00500	0.00552	110	70 - 130	
Endrin aldehyde	0.00500	0.00591	118	70 - 130	
Endrin ketone	0.00500	0.00622	124	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70 - 130	
gamma-Chlordane	0.00500	0.00577	115	70 - 130	
Heptachlor	0.00500	0.00551	110	70 - 130	
Heptachlor epoxide	0.00500	0.00568	114	70 - 130	
Methoxychlor	0.00500	0.00635	127	70 - 130	J

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	135	Q	50 - 150
Tetrachloro-m-xylene	116		50 - 150

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/23	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042523.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1520	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	0.00639	128	70 - 130	
4,4'-DDE	0.00500	0.00599	120	70 - 130	
4,4'-DDT	0.00500	0.00457	91	70 - 130	J
Aldrin	0.00500	0.00593	119	70 - 130	
alpha-BHC	0.00500	0.00541	108	70 - 130	
alpha-Chlordane	0.00500	0.00617	123	70 - 130	
beta-BHC	0.00500	0.00612	122	70 - 130	
delta-BHC	0.00500	0.00543	109	70 - 130	
Dieldrin	0.00500	0.00587	117	70 - 130	M
Endosulfan I	0.00500	0.00622	124	70 - 130	
Endosulfan II	0.00500	0.00613	123	70 - 130	
Endosulfan sulfate	0.00500	0.00645	129	70 - 130	
Endrin	0.00500	0.00559	112	70 - 130	
Endrin aldehyde	0.00500	0.00622	124	70 - 130	
Endrin ketone	0.00500	0.00635	127	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00541	108	70 - 130	

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/23	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042523.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1520	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	0.00608	122	70 - 130	
Heptachlor	0.00500	0.00546	109	70 - 130	
Heptachlor epoxide	0.00500	0.00608	122	70 - 130	
Methoxychlor	0.00500	0.00639	128	70 - 130	J

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	133	Q	50 - 150
Tetrachloro-m-xylene	116		50 - 150

Method Reporting Limit Check - Batch: 240-83482

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83482/23	Analysis Batch:	240-83482	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3042523.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/25/2013 1520	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	0.00683	137	70 - 130	^
4,4'-DDE	0.00500	0.00583	117	70 - 130	
4,4'-DDT	0.00500	0.00476	95	70 - 130	J
Aldrin	0.00500	0.00586	117	70 - 130	
alpha-BHC	0.00500	0.00527	105	70 - 130	
alpha-Chlordane	0.00500	0.00608	122	70 - 130	
beta-BHC	0.00500	0.00623	125	70 - 130	
delta-BHC	0.00500	0.00543	109	70 - 130	
Dieldrin	0.00500	0.00584	117	70 - 130	
Endosulfan I	0.00500	0.00608	122	70 - 130	
Endosulfan II	0.00500	0.00646	129	70 - 130	
Endosulfan sulfate	0.00500	0.00662	132	70 - 130	^
Endrin	0.00500	0.00554	111	70 - 130	
Endrin aldehyde	0.00500	0.00623	125	70 - 130	
Endrin ketone	0.00500	0.00643	129	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00543	109	70 - 130	
gamma-Chlordane	0.00500	0.00611	122	70 - 130	
Heptachlor	0.00500	0.00566	113	70 - 130	
Heptachlor epoxide	0.00500	0.00606	121	70 - 130	
Methoxychlor	0.00500	0.00656	131	70 - 130	J ^

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	136	Q	50 - 150
Tetrachloro-m-xylene	114		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-80942

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-80942/6-A	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-80942	Lab File ID:	P4000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/15/2013 1707	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 0921			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	61	40 - 140
DCB Decachlorobiphenyl	65	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	64	40 - 140
DCB Decachlorobiphenyl	75	40 - 135

Lab Control Sample - Batch: 240-80942

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-80942/7-A	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-80942	Lab File ID:	P4000015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/15/2013 1723	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 0921			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	3.95	79	25 - 145	
Aroclor-1260	5.00	4.16	83	30 - 145	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	71	40 - 140
DCB Decachlorobiphenyl	60	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	70	40 - 140
DCB Decachlorobiphenyl	67	40 - 135

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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: 240-22804-1

Method Reporting Limit Check - Batch: 240-81995 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-81995/10	Analysis Batch:	240-81995	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:	04/15/2013 1604	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	0.0557	111	70 - 130	
Aroclor-1260	0.0500	0.0544	109	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	50 - 150
DCB Decachlorobiphenyl	126	50 - 150

Method Reporting Limit Check - Batch: 240-81995 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-81995/10	Analysis Batch:	240-81995	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:	04/15/2013 1604	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	0.0586	117	70 - 130	
Aroclor-1260	0.0500	0.0537	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	127	50 - 150
DCB Decachlorobiphenyl	127	50 - 150

Method Reporting Limit Check - Batch: 240-81995 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-81995/17	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1754	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	0.0506	101	70 - 130	
Aroclor-1260	0.0500	0.0516	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	50 - 150
DCB Decachlorobiphenyl	121	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Reporting Limit Check - Batch: 240-81995

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81995/17	Analysis Batch:	240-81995	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1754	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	0.0559	112	70 - 130	
Aroclor-1260	0.0500	0.0533	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	116	50 - 150
DCB Decachlorobiphenyl	129	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:	Solid	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 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:	Solid	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 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

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:	Solid	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:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0566	113	70 - 130	
Aroclor-1260	0.0500	0.0582	116	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	117		50 - 150
DCB Decachlorobiphenyl	136	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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:	Solid	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-1260	0.0500	0.0587	117	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	130		50 - 150
DCB Decachlorobiphenyl	138	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13805

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	MB 320-13805/1-A	Analysis Batch:	320-13918	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-13805	Lab File ID:	320-0003783-040-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	04/10/2013 0351	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	04/08/2013 1017			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Lab Control Sample - Batch: 320-13805

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	LCS 320-13805/2-A	Analysis Batch:	320-13918	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-13805	Lab File ID:	320-0003783-041-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	04/10/2013 0408	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	04/08/2013 1017			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	250	231	92	73 - 117	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13885

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-13885/1-A	Analysis Batch:	320-14120	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-13885	Lab File ID:	320-0003838-005-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/11/2013 1618	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	04/09/2013 1024			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: 320-13885

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-13885/2-A	Analysis Batch:	320-14120	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-13885	Lab File ID:	320-0003838-006-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/11/2013 1636	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	04/09/2013 1024			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	0.901	90	72 - 121	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13819

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	MB 320-13819/1-A	Analysis Batch:	320-15252	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-13819	Lab File ID:	ZC000003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/29/2013 1621	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/08/2013 1128			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
1,3-Dinitrobenzene	0.10	U	0.050	0.10
2,4-Dinitrotoluene	0.10	U	0.050	0.10
2,6-Dinitrotoluene	0.10	U	0.050	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.20
2-Nitrotoluene	0.10	U	0.088	0.50
4-Amino-2,6-dinitrotoluene	0.10	U	0.050	0.10
3-Nitrotoluene	0.10	U	0.057	0.50
HMX	0.050	U	0.036	0.10
4-Nitrotoluene	0.10	U	0.088	0.50
Nitrobenzene	0.10	U	0.050	0.10
RDX	0.050	U	0.036	0.10
Nitroglycerin	0.50	U	0.33	0.65
Tetryl	0.10	U	0.050	0.10
PETN	0.50	U	0.30	0.65
1,3,5-Trinitrobenzene	0.050	U	0.031	0.10
2,4,6-Trinitrotoluene	0.10	U	0.050	0.10

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	91	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 320-13819

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	LCS 320-13819/2-A	Analysis Batch:	320-15252	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-13819	Lab File ID:	ZC000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/29/2013 1705	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/08/2013 1128			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Dinitrobenzene	1.00	1.04	104	72 - 123	
2,4-Dinitrotoluene	1.00	0.966	97	70 - 119	
2,6-Dinitrotoluene	1.00	0.970	97	71 - 119	
2-Amino-4,6-dinitrotoluene	1.00	0.955	96	77 - 123	
2-Nitrotoluene	1.00	0.907	91	64 - 120	
4-Amino-2,6-dinitrotoluene	1.00	0.962	96	68 - 113	
3-Nitrotoluene	1.00	0.909	91	67 - 114	
HMX	1.00	0.998	100	67 - 115	
4-Nitrotoluene	1.00	0.918	92	67 - 115	
Nitrobenzene	1.00	1.00	100	69 - 119	
RDX	1.00	1.03	103	68 - 122	
Nitroglycerin	5.00	4.61	92	85 - 115	
Tetryl	1.00	0.834	83	66 - 105	
PETN	5.00	4.57	91	84 - 117	
1,3,5-Trinitrobenzene	1.00	1.02	102	74 - 120	
2,4,6-Trinitrotoluene	1.00	0.885	89	69 - 111	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	89	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13877

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13877/1-A	Analysis Batch:	320-14412	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13877	Lab File ID:	P-000075.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/19/2013 0949	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/09/2013 0933			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
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
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
2-Nitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
HMX	0.050	U	0.012	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
Nitrobenzene	0.050	U	0.018	0.25
RDX	0.050	U	0.012	0.25
Nitroglycerin	0.25	U	0.015	0.50
Tetryl	0.050	U	0.010	0.25
PETN	0.25	U	0.025	0.50
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	95	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13877

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13877/1-A	Analysis Batch:	320-14998	Instrument ID:	LC12
Client Matrix:	Solid	Prep Batch:	320-13877	Lab File ID:	X000061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/26/2013 1034	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/09/2013 0933			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
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
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
2-Nitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
HMX	0.050	U	0.012	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
Nitrobenzene	0.050	U	0.018	0.25
RDX	0.050	U	0.012	0.25
Nitroglycerin	0.25	U	0.015	0.50
Tetryl	0.0111	J	0.010	0.25
PETN	0.25	U	0.025	0.50
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	122	M Q	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 320-13877

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-13877/2-A	Analysis Batch:	320-14412	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13877	Lab File ID:	P-000077.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/19/2013 1143	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/09/2013 0933			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Dinitrobenzene	0.500	0.462	92	81 - 121	
2,4-Dinitrotoluene	0.500	0.467	93	79 - 119	
2,6-Dinitrotoluene	0.500	0.458	92	79 - 119	
2-Amino-4,6-dinitrotoluene	0.500	0.457	91	79 - 119	
2-Nitrotoluene	0.500	0.501	100	78 - 118	
4-Amino-2,6-dinitrotoluene	0.500	0.461	92	81 - 121	
3-Nitrotoluene	0.500	0.502	100	77 - 117	
HMX	0.500	0.476	95	80 - 120	
4-Nitrotoluene	0.500	0.497	99	78 - 118	
Nitrobenzene	0.500	0.467	93	80 - 120	
RDX	0.500	0.466	93	82 - 122	
Nitroglycerin	1.00	0.934	93	76 - 116	
Tetryl	0.500	0.385	77	63 - 120	
PETN	1.00	1.01	101	76 - 116	
1,3,5-Trinitrobenzene	0.500	0.460	92	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.411	82	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	97	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 180-69392

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-69392/1-A	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69392	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.00 g
Analysis Date:	05/07/2013 1304	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1027				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.030	U	0.011	0.10
Aluminum	0.60	U	0.28	3.0
Arsenic	0.050	U	0.018	0.10
Barium	0.0175	J Q	0.011	1.0
Beryllium	0.010	U Q	0.0075	0.10
Calcium	2.53	J	1.3	10
Cadmium	0.0149	J	0.013	0.10
Chromium	0.040	U	0.022	0.20
Cobalt	0.010	U Q	0.0024	0.050
Copper	0.060	U Q	0.033	0.20
Iron	1.17	J	1.1	5.0
Magnesium	2.0	U	1.1	10
Manganese	0.0198	J Q	0.016	0.50
Sodium	5.0	U	2.7	10
Nickel	0.030	U	0.011	0.10
Lead	0.030	U Q	0.015	0.10
Antimony	0.10	U	0.046	0.20
Thallium	0.020	U	0.010	0.10
Vanadium	0.060	U	0.030	0.10
Zinc	0.20	U Q	0.065	0.50
Potassium	6.0	U	3.2	10
Selenium	0.10	U	0.051	0.50

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 180-69392

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-69392/2-A	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69392	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.05 g
Analysis Date:	05/07/2013 1313	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.76	4.47	94	60 - 114	
Aluminum	190	181	95	80 - 120	
Arsenic	3.81	3.27	86	73 - 110	
Barium	190	177	93	70 - 110	Q
Beryllium	4.76	4.00	84	79 - 110	Q
Calcium	4760	4080	86	80 - 120	
Cadmium	4.76	4.06	85	74 - 110	
Chromium	19.0	17.6	93	70 - 110	
Cobalt	47.6	45.9	96	74 - 110	Q
Copper	23.8	23.8	100	73 - 110	Q
Iron	95.2	102	107	80 - 120	
Magnesium	4760	4360	92	80 - 120	
Manganese	47.6	43.9	92	80 - 120	Q
Sodium	4760	4350	91	80 - 120	
Nickel	47.6	46.3	97	75 - 110	
Lead	1.90	1.89	99	75 - 110	Q
Antimony	47.6	40.9	86	68 - 113	
Thallium	4.76	4.62	97	71 - 110	
Vanadium	47.6	44.8	94	72 - 110	
Zinc	47.6	39.5	83	72 - 113	Q
Potassium	4760	4320	91	80 - 120	
Selenium	0.952	0.792	83	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 180-70060/1-A	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1443	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.20	U	0.11	1.0
Aluminum	5.0	U	2.6	30
Arsenic	0.50	U	0.29	1.0
Barium	0.15	U Q	0.098	10
Beryllium	0.090	U Q	0.045	1.0
Calcium	20	U	9.4	100
Cadmium	0.30	U	0.13	1.0
Chromium	1.0	U	0.54	2.0
Cobalt	0.050	U Q	0.026	0.50
Copper	0.50	U Q	0.24	2.0
Iron	20	U	11	50
Magnesium	22	U	11	100
Manganese	0.30	U Q	0.16	5.0
Sodium	55	U	27	100
Nickel	0.35	U	0.17	1.0
Lead	0.408	J Q	0.15	1.0
Antimony	0.90	U	0.46	2.0
Thallium	0.20	U	0.10	1.0
Vanadium	0.60	U	0.30	1.0
Zinc	2.0	U Q	0.96	5.0
Potassium	60	U	32	100
Selenium	1.0	U	0.51	5.0

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Control Sample - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 180-70060/2-A	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1451	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	50.0	48.0	96	80 - 120	
Aluminum	2000	1760	88	80 - 120	
Arsenic	40.0	36.3	91	80 - 120	
Barium	2000	1820	91	80 - 120	Q
Beryllium	50.0	50.6	101	80 - 120	Q
Calcium	50000	44100	88	80 - 120	
Cadmium	50.0	47.8	96	80 - 120	
Chromium	200	188	94	80 - 120	
Cobalt	500	467	93	80 - 120	Q
Copper	250	239	96	80 - 120	Q
Iron	1000	952	95	80 - 120	
Magnesium	50000	45200	90	80 - 120	
Manganese	500	476	95	80 - 120	Q
Sodium	50000	44800	90	80 - 120	
Nickel	500	472	94	80 - 120	
Lead	20.0	19.8	99	80 - 120	Q
Antimony	500	469	94	80 - 120	
Thallium	50.0	44.0	88	80 - 120	
Vanadium	500	470	94	80 - 120	
Zinc	500	483	97	80 - 120	Q
Potassium	50000	45900	92	80 - 120	
Selenium	10.0	9.55	96	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Post Digestion Spike - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-22804-11	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1532	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.20	U	50.0	51.5	103	80 - 120	
Aluminum	4.5	J	2000	1760	88	80 - 120	
Arsenic	0.50	U	40.0	37.1	93	80 - 120	
Barium	0.15	U	2000	1930	97	80 - 120	Q
Beryllium	0.090	U	50.0	52.6	105	80 - 120	Q
Calcium	23	J	50000	44900	90	80 - 120	
Cadmium	0.30	U	50.0	50.6	101	80 - 120	
Chromium	3.2		200	197	97	80 - 120	
Cobalt	0.082	J	500	484	97	80 - 120	Q
Copper	0.41	J	250	246	98	80 - 120	Q
Iron	20	U	1000	999	100	80 - 120	
Magnesium	22	U	50000	44700	89	80 - 120	
Manganese	0.74	J	500	496	99	80 - 120	Q
Sodium	65	J	50000	44300	88	80 - 120	
Nickel	5.9		500	494	98	80 - 120	
Lead	0.59	J	20.0	20.2	98	80 - 120	Q
Antimony	0.90	U	500	475	95	80 - 120	
Thallium	0.20	U	50.0	49.5	99	80 - 120	
Vanadium	0.60	U	500	488	98	80 - 120	
Zinc	3.2	J	500	504	100	80 - 120	Q
Potassium	60	U	50000	46100	92	80 - 120	
Selenium	1.0	U	10.0	9.21	92	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-22804-11	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1515			Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

MSD Lab Sample ID:	240-22804-11	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1524			Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	94	95	10 - 139	1	20		
Aluminum	81	80	63 - 128	1	20		
Arsenic	89	90	82 - 123	1	20		
Barium	88	89	45 - 144	0	20	Q	Q
Beryllium	100	97	77 - 124	3	20	Q	Q
Calcium	83	83	70 - 130	0	20		
Cadmium	96	95	78 - 117	1	20		
Chromium	89	89	72 - 110	0	20		
Cobalt	89	88	67 - 114	1	20	Q	Q
Copper	92	91	60 - 123	1	20	Q	Q
Iron	92	91	22 - 169	1	20		
Magnesium	83	82	70 - 130	1	20		
Manganese	91	90	10 - 172	0	20	Q	Q
Sodium	82	81	80 - 120	1	20		
Nickel	90	90	72 - 111	1	20		
Lead	90	90	73 - 115	0	20	Q	Q
Antimony	92	93	44 - 153	0	20		
Thallium	88	89	69 - 117	1	20		
Vanadium	90	90	70 - 112	0	20		
Zinc	92	92	49 - 156	0	20	Q	Q
Potassium	85	85	70 - 130	0	20		
Selenium	87	95	72 - 148	8	20		

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-22804-11	Units:	ug/L	MSD Lab Sample ID:	240-22804-11
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2013 1515			Analysis Date:	05/07/2013 1524
Prep Date:	04/25/2013 0951			Prep Date:	04/25/2013 0951
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	0.20	U	50.0	50.0	47.2		47.5	
Aluminum	4.5	J	2000	2000	1620		1610	
Arsenic	0.50	U	40.0	40.0	35.5		35.8	
Barium	0.15	U	2000	2000	1760	Q	1770	Q
Beryllium	0.090	U	50.0	50.0	50.0	Q	48.7	Q
Calcium	23	J	50000	50000	41800		41700	
Cadmium	0.30	U	50.0	50.0	47.8		47.3	
Chromium	3.2		200	200	181		181	
Cobalt	0.082	J	500	500	447	Q	442	Q
Copper	0.41	J	250	250	231	Q	228	Q
Iron	20	U	1000	1000	915		905	
Magnesium	22	U	50000	50000	41600		41200	
Manganese	0.74	J	500	500	455	Q	453	Q
Sodium	65	J	50000	50000	41200		40700	
Nickel	5.9		500	500	458		455	
Lead	0.59	J	20.0	20.0	18.5	Q	18.6	Q
Antimony	0.90	U	500	500	462		463	
Thallium	0.20	U	50.0	50.0	44.0		44.4	
Vanadium	0.60	U	500	500	449		451	
Zinc	3.2	J	500	500	465	Q	463	Q
Potassium	60	U	50000	50000	42600		42500	
Selenium	1.0	U	10.0	10.0	8.74		9.45	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Serial Dilution - Batch: 180-70060

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-22804-11	Analysis Batch:	180-71214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-70060	Lab File ID:	M30507A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/07/2013 1507	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/25/2013 0951				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.20	U	1.0	NC	10	U
Aluminum	4.5	J	29.3	NC	10	J D
Arsenic	0.50	U	2.5	NC	10	U
Barium	0.15	U	0.75	NC	10	U Q
Beryllium	0.090	U	0.45	NC	10	U Q
Calcium	23	J	102	NC	10	J D
Cadmium	0.30	U	1.5	NC	10	U
Chromium	3.2		3.53	NC	10	J D
Cobalt	0.082	J	0.25	NC	10	U Q
Copper	0.41	J	2.5	NC	10	U Q
Iron	20	U	100	NC	10	U
Magnesium	22	U	110	NC	10	U
Manganese	0.74	J	1.18	NC	10	J Q D
Sodium	65	J	280	NC	10	U
Nickel	5.9		7.21	NC	10	D
Lead	0.59	J	1.34	NC	10	J Q D
Antimony	0.90	U	4.5	NC	10	U
Thallium	0.20	U	1.0	NC	10	U
Vanadium	0.60	U	3.0	NC	10	U
Zinc	3.2	J	5.45	NC	10	J Q D
Potassium	60	U	300	NC	10	U
Selenium	1.0	U	5.0	NC	10	U

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 240-80775

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	MB 240-80775/1-A	Analysis Batch:	240-81255	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-80775	Lab File ID:	040913C-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/09/2013 1048	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	04/05/2013 1545				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.20	U	0.12	0.20

Lab Control Sample - Batch: 240-80775

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	LCS 240-80775/2-A	Analysis Batch:	240-81255	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-80775	Lab File ID:	040913C-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/09/2013 1049	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	04/05/2013 1545				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.20	84	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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: 240-22804-1

Duplicate - Batch: 240-80759 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22804-10	Analysis Batch:	240-80759	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:	04/05/2013 1034	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	85	0.1	20	
Percent Moisture	15	15	0.8	20	

Duplicate - Batch: 240-80759 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22804-9	Analysis Batch:	240-80759	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:	04/05/2013 1034	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	79	0.5	20	
Percent Moisture	21	21	2	20	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Method Blank - Batch: 320-13964

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-13864/1-B	Analysis Batch:	320-14024	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-13964	Lab File ID:	041013A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2013 1200	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	04/10/2013 0754				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.0	U	0.48	2.0

Lab Control Sample - Batch: 320-13964

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-13864/2-B	Analysis Batch:	320-14024	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-13964	Lab File ID:	041013A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2013 1202	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	04/10/2013 0754				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	5.06	4.51	89	26 - 144	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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: 240-22804-1

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: 240-22804-1

Lab Section	Qualifier	Description
GC/MS VOA		
	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
	^	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
	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.
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.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	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: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
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	
240-22804-4	074SB-0010-0001-SO	T	Solid	8260B/DoD	240-81012
Prep Batch: 240-81012					
240-22804-4	074SB-0010-0001-SO	T	Solid	5035	
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	
240-22804-11	079RN-0317-0001-RN	T	Water	8260B/DoD	
240-22804-12	079-0318-0001-TB	T	Water	8260B/DoD	
Analysis Batch:240-81930					
LCS 240-81930/35	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-81930/7	Method Blank	T	Solid	8260B/DoD	
240-22804-4	074SB-0010-0001-SO	T	Solid	8260B/DoD	240-81012

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-81130					
LCS 240-81130/23-A	Lab Control Sample	T	Water	3520C	
MB 240-81130/22-A	Method Blank	T	Water	3520C	
240-22804-11	079RN-0317-0001-RN	T	Water	3520C	
Prep Batch: 240-81948					
LCS 240-81948/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-81948/23-A	Method Blank	T	Solid	3540C	
240-22804-2	074SB-0013-0001-SO	T	Solid	3540C	
240-22804-3	074SB-0015-0001-SO	T	Solid	3540C	
240-22804-6	074SB-0023-0001-SO	T	Solid	3540C	
240-22804-7	074SB-0024-0001-SO	T	Solid	3540C	
240-22804-8	074SB-0025-0001-SO	T	Solid	3540C	
240-22804-9	074SB-0026-0001-SO	T	Solid	3540C	
240-22804-10	074SB-0027-0001-SO	T	Solid	3540C	
Analysis Batch:240-82293					
LCS 240-81130/23-A	Lab Control Sample	T	Water	8270C/DoD	240-81130
MB 240-81130/22-A	Method Blank	T	Water	8270C/DoD	240-81130
240-22804-11	079RN-0317-0001-RN	T	Water	8270C/DoD	240-81130
Analysis Batch:240-82940					
LCS 240-81948/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-81948
MB 240-81948/23-A	Method Blank	T	Solid	8270C/DoD	240-81948
Analysis Batch:240-83126					
240-22804-2	074SB-0013-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-3	074SB-0015-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-6	074SB-0023-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-7	074SB-0024-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-8	074SB-0025-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-9	074SB-0026-0001-SO	T	Solid	8270C/DoD	240-81948
240-22804-10	074SB-0027-0001-SO	T	Solid	8270C/DoD	240-81948
Prep Batch: 240-83486					
LCS 240-83486/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-83486/23-A	Method Blank	T	Solid	3540C	
240-22804-4	074SB-0010-0001-SO	T	Solid	3540C	
240-22804-5	074SB-0012-0001-SO	T	Solid	3540C	
Analysis Batch:240-83882					
LCS 240-83486/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-83486
MB 240-83486/23-A	Method Blank	T	Solid	8270C/DoD	240-83486
240-22804-4	074SB-0010-0001-SO	T	Solid	8270C/DoD	240-83486
240-22804-5	074SB-0012-0001-SO	T	Solid	8270C/DoD	240-83486

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-80861					
LCS 240-80861/12-A	Lab Control Sample	T	Water	3520C	
MB 240-80861/11-A	Method Blank	T	Water	3520C	
240-22804-11	079RN-0317-0001-RN	T	Water	3520C	
Prep Batch: 240-80942					
LCS 240-80942/7-A	Lab Control Sample	T	Water	3520C	
MB 240-80942/6-A	Method Blank	T	Water	3520C	
240-22804-11	079RN-0317-0001-RN	T	Water	3520C	
Prep Batch: 240-80943					
LCS 240-80943/3-A	Lab Control Sample	T	Water	3520C	
MB 240-80943/2-A	Method Blank	T	Water	3520C	
240-22804-11	079RN-0317-0001-RN	T	Water	3520C	
Analysis Batch:240-81310					
LCS 240-80861/12-A	Lab Control Sample	T	Water	8015B_DRO/DO	240-80861
MB 240-80861/11-A	Method Blank	T	Water	8015B_DRO/DO	240-80861
240-22804-11	079RN-0317-0001-RN	T	Water	8015B_DRO/DO	240-80861
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	
240-22804-4	074SB-0010-0001-SO	T	Solid	3540C	
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	
240-22804-4	074SB-0010-0001-SO	T	Solid	3540C	
Analysis Batch:240-81995					
LCS 240-80942/7-A	Lab Control Sample	T	Water	8082/DOD	240-80942
MB 240-80942/6-A	Method Blank	T	Water	8082/DOD	240-80942
240-22804-11	079RN-0317-0001-RN	T	Water	8082/DOD	240-80942
Prep Batch: 240-82097					
LCS 240-82097/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-82097/23-A	Method Blank	T	Solid	3540C	
240-22804-2	074SB-0013-0001-SO	T	Solid	3540C	
240-22804-3	074SB-0015-0001-SO	T	Solid	3540C	
240-22804-6	074SB-0023-0001-SO	T	Solid	3540C	
240-22804-7	074SB-0024-0001-SO	T	Solid	3540C	
240-22804-8	074SB-0025-0001-SO	T	Solid	3540C	

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-82109					
LCS 240-82109/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-82109/20-A	Method Blank	T	Solid	3540C	
240-22804-4	074SB-0010-0001-SO	T	Solid	3540C	
240-22804-4MS	Matrix Spike	T	Solid	3540C	
240-22804-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-22804-5	074SB-0012-0001-SO	T	Solid	3540C	
240-22804-9	074SB-0026-0001-SO	T	Solid	3540C	
240-22804-10	074SB-0027-0001-SO	T	Solid	3540C	
Analysis Batch:240-82129					
LCS 240-80943/3-A	Lab Control Sample	T	Water	8081/DOD	240-80943
MB 240-80943/2-A	Method Blank	T	Water	8081/DOD	240-80943
240-22804-11	079RN-0317-0001-RN	T	Water	8081/DOD	240-80943
Analysis Batch:240-82321					
LCS 240-82109/21-A	Lab Control Sample	T	Solid	8015B_DRO/DO	240-82109
MB 240-82109/20-A	Method Blank	T	Solid	8015B_DRO/DO	240-82109
240-22804-4	074SB-0010-0001-SO	T	Solid	8015B_DRO/DO	240-82109
240-22804-4MS	Matrix Spike	T	Solid	8015B_DRO/DO	240-82109
240-22804-4MSD	Matrix Spike Duplicate	T	Solid	8015B_DRO/DO	240-82109
240-22804-5	074SB-0012-0001-SO	T	Solid	8015B_DRO/DO	240-82109
240-22804-9	074SB-0026-0001-SO	T	Solid	8015B_DRO/DO	240-82109
240-22804-10	074SB-0027-0001-SO	T	Solid	8015B_DRO/DO	240-82109
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
240-22804-4	074SB-0010-0001-SO	T	Solid	8082/DOD	240-81730
Analysis Batch:240-82537					
LCS 240-82097/24-A	Lab Control Sample	T	Solid	8015B_DRO/DO	240-82097
MB 240-82097/23-A	Method Blank	T	Solid	8015B_DRO/DO	240-82097
240-22804-2	074SB-0013-0001-SO	T	Solid	8015B_DRO/DO	240-82097
240-22804-3	074SB-0015-0001-SO	T	Solid	8015B_DRO/DO	240-82097
240-22804-6	074SB-0023-0001-SO	T	Solid	8015B_DRO/DO	240-82097
240-22804-7	074SB-0024-0001-SO	T	Solid	8015B_DRO/DO	240-82097
240-22804-8	074SB-0025-0001-SO	T	Solid	8015B_DRO/DO	240-82097
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					
240-22804-4	074SB-0010-0001-SO	T	Solid	8081/DOD	240-81726

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
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	
240-22804-4RE	074SB-0010-0001-SO	T	Solid	3540C	
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
Analysis Batch:240-83482					
240-22804-4RE	074SB-0010-0001-SO	T	Solid	8081/DOD	240-83135

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-69392					
LCS 180-69392/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-69392/1-A	Method Blank	T	Solid	3050B	
240-22804-4	074SB-0010-0001-SO	T	Solid	3050B	
Prep Batch: 180-70060					
LCS 180-70060/2-A	Lab Control Sample	R	Water	3005A	
MB 180-70060/1-A	Method Blank	R	Water	3005A	
240-22804-11	079RN-0317-0001-RN	R	Water	3005A	
240-22804-11MS	Matrix Spike	R	Water	3005A	
240-22804-11MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:180-71214					
LCS 180-69392/2-A	Lab Control Sample	T	Solid	6020/DOD	180-69392
MB 180-69392/1-A	Method Blank	T	Solid	6020/DOD	180-69392
LCS 180-70060/2-A	Lab Control Sample	R	Water	6020/DOD	180-70060
MB 180-70060/1-A	Method Blank	R	Water	6020/DOD	180-70060
240-22804-4	074SB-0010-0001-SO	T	Solid	6020/DOD	180-69392
240-22804-11	079RN-0317-0001-RN	R	Water	6020/DOD	180-70060
240-22804-11MS	Matrix Spike	R	Water	6020/DOD	180-70060
240-22804-11MSD	Matrix Spike Duplicate	R	Water	6020/DOD	180-70060
Prep Batch: 240-80775					
LCS 240-80775/2-A	Lab Control Sample	T	Water	7470A	
MB 240-80775/1-A	Method Blank	T	Water	7470A	
240-22804-11	079RN-0317-0001-RN	T	Water	7470A	
Analysis Batch:240-81255					
LCS 240-80775/2-A	Lab Control Sample	T	Water	7470A/DOD	240-80775
MB 240-80775/1-A	Method Blank	T	Water	7470A/DOD	240-80775
240-22804-11	079RN-0317-0001-RN	T	Water	7470A/DOD	240-80775
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	
240-22804-4	074SB-0010-0001-SO	T	Solid	7471A	
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
240-22804-4	074SB-0010-0001-SO	T	Solid	7471/DOD	240-82367

Report Basis

R = Total Recoverable

T = Total

TestAmerica Canton

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-13964					
LCS 320-13864/2-B	Lab Control Sample	T	Water	353 (NCell-Hyd)	
MB 320-13864/1-B	Method Blank	T	Water	353 (NCell-Hyd)	
240-22804-11	079RN-0317-0001-RN	T	Water	353 (NCell-Hyd)	
Analysis Batch:320-14024					
LCS 320-13864/2-B	Lab Control Sample	T	Water	WS-WC-0050	320-13964
MB 320-13864/1-B	Method Blank	T	Water	WS-WC-0050	320-13964
240-22804-11	079RN-0317-0001-RN	T	Water	WS-WC-0050	320-13964
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)	
240-22804-4	074SB-0010-0001-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
240-22804-4	074SB-0010-0001-SO	T	Solid	WS-WC-0050	320-14752
Analysis Batch:240-80759					
240-22804-2	074SB-0013-0001-SO	T	Solid	Moisture	
240-22804-3	074SB-0015-0001-SO	T	Solid	Moisture	
240-22804-4	074SB-0010-0001-SO	T	Solid	Moisture	
240-22804-5	074SB-0012-0001-SO	T	Solid	Moisture	
240-22804-6	074SB-0023-0001-SO	T	Solid	Moisture	
240-22804-7	074SB-0024-0001-SO	T	Solid	Moisture	
240-22804-8	074SB-0025-0001-SO	T	Solid	Moisture	
240-22804-9	074SB-0026-0001-SO	T	Solid	Moisture	
240-22804-9DU	Duplicate	T	Solid	Moisture	
240-22804-10	074SB-0027-0001-SO	T	Solid	Moisture	
240-22804-10DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-13805					
LCS 320-13805/2-A	Lab Control Sample	T	Water	Filtration	
MB 320-13805/1-A	Method Blank	T	Water	Filtration	
240-22804-11	079RN-0317-0001-RN	T	Water	Filtration	
Prep Batch: 320-13819					
LCS 320-13819/2-A	Lab Control Sample	T	Water	8330-Prep	
MB 320-13819/1-A	Method Blank	T	Water	8330-Prep	
240-22804-11	079RN-0317-0001-RN	T	Water	8330-Prep	
Prep Batch: 320-13877					
LCS 320-13877/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-13877/1-A	Method Blank	T	Solid	8330B	
240-22804-4	074SB-0010-0001-SO	T	Solid	8330B	
Prep Batch: 320-13885					
LCS 320-13885/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-13885/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-22804-4	074SB-0010-0001-SO	T	Solid	Sieve/Ultrasoni	
Analysis Batch:320-13918					
LCS 320-13805/2-A	Lab Control Sample	T	Water	8330 Modified	320-13805
MB 320-13805/1-A	Method Blank	T	Water	8330 Modified	320-13805
240-22804-11	079RN-0317-0001-RN	T	Water	8330 Modified	320-13805
Analysis Batch:320-14120					
LCS 320-13885/2-A	Lab Control Sample	T	Solid	8330 Modified	320-13885
MB 320-13885/1-A	Method Blank	T	Solid	8330 Modified	320-13885
240-22804-4	074SB-0010-0001-SO	T	Solid	8330 Modified	320-13885
Analysis Batch:320-14412					
LCS 320-13877/2-A	Lab Control Sample	T	Solid	8330B	320-13877
MB 320-13877/1-A	Method Blank	T	Solid	8330B	320-13877
240-22804-4	074SB-0010-0001-SO	T	Solid	8330B	320-13877
Analysis Batch:320-14998					
MB 320-13877/1-A	Method Blank	T	Solid	8330B	320-13877
240-22804-4	074SB-0010-0001-SO	T	Solid	8330B	320-13877
Analysis Batch:320-15252					
LCS 320-13819/2-A	Lab Control Sample	T	Water	8330B	320-13819
MB 320-13819/1-A	Method Blank	T	Water	8330B	320-13819
240-22804-11	079RN-0317-0001-RN	T	Water	8330B	320-13819

Client: Environmental Chemical Corp. Job Number: 240-22804-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-2 **Client ID: 074SB-0013-0001-SO**

Sample Date/Time: 04/02/2013 17:37 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-2-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-2-A		240-83126	240-81948	04/23/2013 15:01	1	TAL CAN	MU
P:3540C	240-22804-B-2-B		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-2-B		240-82537	240-82097	04/19/2013 01:54	1	TAL CAN	DB
A:Moisture	240-22804-A-2		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-3 **Client ID: 074SB-0015-0001-SO**

Sample Date/Time: 04/02/2013 17:40 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-3-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-3-A		240-83126	240-81948	04/23/2013 14:35	1	TAL CAN	MU
P:3540C	240-22804-B-3-B		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-3-B		240-82537	240-82097	04/19/2013 02:25	1	TAL CAN	DB
A:Moisture	240-22804-A-3		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-4 **Client ID: 074SB-0010-0001-SO**

Sample Date/Time: 04/03/2013 11:40 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22804-B-4-A		240-80954	240-81012	04/04/2013 18:00	1	TAL CAN	LM
A:8260B/DoD	240-22804-B-4-A		240-80954	240-81012	04/08/2013 19:11	1	TAL CAN	SM
P:5035	240-22804-C-4-A		240-81930	240-81012	04/04/2013 18:00	1	TAL CAN	LM
A:8260B/DoD	240-22804-C-4-A		240-81930	240-81012	04/15/2013 15:36	1	TAL CAN	SM
P:3540C	240-22804-G-4-I		240-83882	240-83486	04/25/2013 08:16	1	TAL CAN	JS
A:8270C/DoD	240-22804-G-4-I		240-83882	240-83486	04/28/2013 19:05	1	TAL CAN	MU
P:3540C	240-22804-G-4-D		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-G-4-D		240-82321	240-82109	04/17/2013 21:26	1	TAL CAN	DB
P:3540C	240-22804-G-4-A		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22804-G-4-A		240-82857	240-81726	04/20/2013 23:25	1	TAL CAN	RS
P:3540C	240-22804-G-4-H	RE	240-83482	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22804-G-4-H	RE	240-83482	240-83135	04/25/2013 10:57	1	TAL CAN	RS
P:3540C	240-22804-G-4-B		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22804-G-4-B		240-82363	240-81730	04/18/2013 14:34	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22804-F-4-B		320-14120	320-13885	04/09/2013 10:24	1	TAL SAC	HA
A:8330 Modified	240-22804-F-4-B		320-14120	320-13885	04/11/2013 19:34	1	TAL SAC	kr
P:8330B	240-22804-F-4-A		320-14412	320-13877	04/09/2013 09:33	1	TAL SAC	HA
A:8330B	240-22804-F-4-A		320-14412	320-13877	04/19/2013 20:18	1	TAL SAC	RN
P:8330B	240-22804-F-4-A		320-14998	320-13877	04/09/2013 09:33	1	TAL SAC	HA
A:8330B	240-22804-F-4-A		320-14998	320-13877	04/26/2013 18:17	1	TAL SAC	RN
P:3050B	240-22804-E-4-A		180-71214	180-69392	04/17/2013 10:27	1	TAL PIT	CH
A:6020/DOD	240-22804-E-4-A		180-71214	180-69392	05/07/2013 13:29	1	TAL PIT	BR
P:7471A	240-22804-G-4-G		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22804-G-4-G		240-82912	240-82367	04/19/2013 10:27	1	TAL CAN	AS
A:Moisture	240-22804-D-4		240-80759		04/05/2013 10:34	1	TAL CAN	JK
P:353 (NCell-Hyd)	240-22804-F-4-D		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22804-F-4-D		320-14914	320-14752	04/23/2013 13:23	1	TAL SAC	JS

Lab ID: 240-22804-4 MS **Client ID: 074SB-0010-0001-SO**

Sample Date/Time: 04/03/2013 11:40 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-G-4-E MS		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-G-4-E MS		240-82321	240-82109	04/17/2013 21:57	1	TAL CAN	DB

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-4 MSD **Client ID: 074SB-0010-0001-SO**

Sample Date/Time: 04/03/2013 11:40 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-G-4-F MSD		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-G-4-F MSD		240-82321	240-82109	04/17/2013 22:27	1	TAL CAN	DB

Lab ID: 240-22804-5 **Client ID: 074SB-0012-0001-SO**

Sample Date/Time: 04/03/2013 12:31 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-5-C		240-83882	240-83486	04/25/2013 08:16	1	TAL CAN	JS
A:8270C/DoD	240-22804-B-5-C		240-83882	240-83486	04/28/2013 19:31	1	TAL CAN	MU
P:3540C	240-22804-B-5-B		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-5-B		240-82321	240-82109	04/17/2013 22:57	1	TAL CAN	DB
A:Moisture	240-22804-A-5		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-6 **Client ID: 074SB-0023-0001-SO**

Sample Date/Time: 04/02/2013 16:25 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-6-A		240-83126	240-81948	04/15/2013 11:33	5	TAL CAN	LM
A:8270C/DoD	240-22804-B-6-A		240-83126	240-81948	04/23/2013 18:01	5	TAL CAN	MU
P:3540C	240-22804-B-6-B		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-6-B		240-82537	240-82097	04/19/2013 02:57	1	TAL CAN	DB
A:Moisture	240-22804-A-6		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-7 **Client ID: 074SB-0024-0001-SO**

Sample Date/Time: 04/02/2013 16:50 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-7-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-7-A		240-83126	240-81948	04/23/2013 16:44	1	TAL CAN	MU
P:3540C	240-22804-B-7-B		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-7-B		240-82537	240-82097	04/19/2013 03:28	1	TAL CAN	DB
A:Moisture	240-22804-A-7		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-8 **Client ID: 074SB-0025-0001-SO**

Sample Date/Time: 04/02/2013 17:35 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-8-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-8-A		240-83126	240-81948	04/23/2013 17:10	1	TAL CAN	MU
P:3540C	240-22804-B-8-B		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-8-B		240-82537	240-82097	04/19/2013 04:00	1	TAL CAN	DB
A:Moisture	240-22804-A-8		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-9 **Client ID: 074SB-0026-0001-SO**

Sample Date/Time: 04/03/2013 11:34 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-9-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-9-A		240-83126	240-81948	04/23/2013 17:36	1	TAL CAN	MU
P:3540C	240-22804-B-9-B		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-9-B		240-82321	240-82109	04/17/2013 23:28	1	TAL CAN	DB
A:Moisture	240-22804-A-9		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-9 DU **Client ID: 074SB-0026-0001-SO**

Sample Date/Time: 04/03/2013 11:34 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22804-A-9 DU		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-10 **Client ID: 074SB-0027-0001-SO**

Sample Date/Time: 04/03/2013 12:05 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22804-B-10-A		240-83126	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	240-22804-B-10-A		240-83126	240-81948	04/23/2013 15:53	1	TAL CAN	MU
P:3540C	240-22804-B-10-B		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-B-10-B		240-82321	240-82109	04/17/2013 23:58	1	TAL CAN	DB
A:Moisture	240-22804-A-10		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Lab ID: 240-22804-10 DU **Client ID: 074SB-0027-0001-SO**

Sample Date/Time: 04/03/2013 12:05 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22804-A-10 DU		240-80759		04/05/2013 10:34	1	TAL CAN	JK

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-11 **Client ID: 079RN-0317-0001-RN**

Sample Date/Time: 04/03/2013 15:00 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-22804-C-11		240-81013		04/08/2013 17:09	1	TAL CAN	RQ
A:8260B/DoD	240-22804-C-11		240-81013		04/08/2013 17:09	1	TAL CAN	RQ
P:3520C	240-22804-I-11-A		240-82293	240-81130	04/09/2013 10:13	1	TAL CAN	SE
A:8270C/DoD	240-22804-I-11-A		240-82293	240-81130	04/17/2013 14:21	1	TAL CAN	JG
P:3520C	240-22804-F-11-A		240-81310	240-80861	04/06/2013 10:03	1	TAL CAN	CC
A:8015B_DRO/DOD	240-22804-F-11-A		240-81310	240-80861	04/10/2013 17:45	1	TAL CAN	DB
P:3520C	240-22804-H-11-B		240-82129	240-80943	04/08/2013 09:24	1	TAL CAN	LM
A:8081/DOD	240-22804-H-11-B		240-82129	240-80943	04/16/2013 19:20	1	TAL CAN	RS
P:3520C	240-22804-H-11-A		240-81995	240-80942	04/08/2013 09:21	1	TAL CAN	LM
A:8082/DOD	240-22804-H-11-A		240-81995	240-80942	04/15/2013 16:20	1	TAL CAN	LH
P:Filtration	240-22804-A-11-A		320-13918	320-13805	04/08/2013 10:17	1	TAL SAC	TP
A:8330 Modified	240-22804-A-11-A		320-13918	320-13805	04/10/2013 05:55	1	TAL SAC	kr
P:8330-Prep	240-22804-O-11-A		320-15252	320-13819	04/08/2013 11:28	1	TAL SAC	HA
A:8330B	240-22804-O-11-A		320-15252	320-13819	04/29/2013 17:48	1	TAL SAC	RN
P:3005A	240-22804-D-11-A		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	240-22804-D-11-A		180-71214	180-70060	05/07/2013 14:59	1	TAL PIT	BR
P:7470A	240-22804-E-11-A		240-81255	240-80775	04/05/2013 15:45	1	TAL CAN	SG
A:7470A/DOD	240-22804-E-11-A		240-81255	240-80775	04/09/2013 13:15	1	TAL CAN	AS
P:353 (NCell-Hyd)	240-22804-P-11-B		320-14024	320-13964	04/10/2013 07:54	1	TAL SAC	TP
A:WS-WC-0050	240-22804-P-11-B		320-14024	320-13964	04/10/2013 12:12	1	TAL SAC	JS

Lab ID: 240-22804-11 MS **Client ID: 079RN-0317-0001-RN**

Sample Date/Time: 04/03/2013 15:00 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	240-22804-D-11-B MS		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	240-22804-D-11-B MS		180-71214	180-70060	05/07/2013 15:15	1	TAL PIT	BR

Lab ID: 240-22804-11 MSD **Client ID: 079RN-0317-0001-RN**

Sample Date/Time: 04/03/2013 15:00 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	240-22804-D-11-C MSD		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	240-22804-D-11-C MSD		180-71214	180-70060	05/07/2013 15:24	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab ID: 240-22804-11 SD **Client ID:** 079RN-0317-0001-RN

Sample Date/Time: 04/03/2013 15:00 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	240-22804-D-11-A SD ^5		180-71214	180-70060	04/25/2013 09:51	5	TAL PIT	CH
A:6020/DOD	240-22804-D-11-A SD ^5		180-71214	180-70060	05/07/2013 15:07	5	TAL PIT	BR
P:3005A	240-22804-D-11-A PDS		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	240-22804-D-11-A PDS		180-71214	180-70060	05/07/2013 15:32	1	TAL PIT	BR

Lab ID: 240-22804-12 **Client ID:** 079-0318-0001-TB

Sample Date/Time: 04/03/2013 08:00 Received Date/Time: 04/04/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-22804-A-12		240-81013		04/08/2013 17:31	1	TAL CAN	RQ
A:8260B/DoD	240-22804-A-12		240-81013		04/08/2013 17:31	1	TAL CAN	RQ

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
A:8260B/DoD	MB 240-81930/7		240-81930		04/15/2013 13:05	1	TAL CAN	SM
P:3520C	MB 240-81130/22-A		240-82293	240-81130	04/09/2013 10:13	1	TAL CAN	SE
A:8270C/DoD	MB 240-81130/22-A		240-82293	240-81130	04/17/2013 11:13	1	TAL CAN	JG
P:3540C	MB 240-81948/23-A		240-82940	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	MB 240-81948/23-A		240-82940	240-81948	04/22/2013 10:27	1	TAL CAN	MU
P:3540C	MB 240-83486/23-A		240-83882	240-83486	04/25/2013 08:16	1	TAL CAN	JS
A:8270C/DoD	MB 240-83486/23-A		240-83882	240-83486	04/28/2013 16:55	1	TAL CAN	MU
P:3520C	MB 240-80861/11-A		240-81310	240-80861	04/06/2013 10:03	1	TAL CAN	CC
A:8015B_DRO/DOD	MB 240-80861/11-A		240-81310	240-80861	04/10/2013 16:43	1	TAL CAN	DB
P:3540C	MB 240-82109/20-A		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	MB 240-82109/20-A		240-82321	240-82109	04/17/2013 19:25	1	TAL CAN	DB
P:3540C	MB 240-82097/23-A		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	MB 240-82097/23-A		240-82537	240-82097	04/18/2013 20:41	1	TAL CAN	DB
P:3520C	MB 240-80943/2-A		240-82129	240-80943	04/08/2013 09:24	1	TAL CAN	LM
A:8081/DOD	MB 240-80943/2-A		240-82129	240-80943	04/16/2013 19:40	1	TAL CAN	RS
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:3520C	MB 240-80942/6-A		240-81995	240-80942	04/08/2013 09:21	1	TAL CAN	LM
A:8082/DOD	MB 240-80942/6-A		240-81995	240-80942	04/15/2013 17:07	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:Filtration	MB 320-13805/1-A		320-13918	320-13805	04/08/2013 10:17	1	TAL SAC	TP
A:8330 Modified	MB 320-13805/1-A		320-13918	320-13805	04/10/2013 03:51	1	TAL SAC	kr
P:Sieve/Ultrasoni	MB 320-13885/1-A		320-14120	320-13885	04/09/2013 10:24	1	TAL SAC	HA
A:8330 Modified	MB 320-13885/1-A		320-14120	320-13885	04/11/2013 16:18	1	TAL SAC	kr
P:8330B	MB 320-13877/1-A		320-14412	320-13877	04/09/2013 09:33	1	TAL SAC	HA
A:8330B	MB 320-13877/1-A		320-14412	320-13877	04/19/2013 09:49	1	TAL SAC	RN
P:8330B	MB 320-13877/1-A		320-14998	320-13877	04/09/2013 09:33	1	TAL SAC	HA
A:8330B	MB 320-13877/1-A		320-14998	320-13877	04/26/2013 10:34	1	TAL SAC	RN
P:8330-Prep	MB 320-13819/1-A		320-15252	320-13819	04/08/2013 11:28	1	TAL SAC	HA
A:8330B	MB 320-13819/1-A		320-15252	320-13819	04/29/2013 16:21	1	TAL SAC	RN
P:3050B	MB 180-69392/1-A		180-71214	180-69392	04/17/2013 10:27	1	TAL PIT	CH
A:6020/DOD	MB 180-69392/1-A		180-71214	180-69392	05/07/2013 13:04	1	TAL PIT	BR
P:3005A	MB 180-70060/1-A		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	MB 180-70060/1-A		180-71214	180-70060	05/07/2013 14:43	1	TAL PIT	BR
P:7470A	MB 240-80775/1-A		240-81255	240-80775	04/05/2013 15:45	1	TAL CAN	SG
A:7470A/DOD	MB 240-80775/1-A		240-81255	240-80775	04/09/2013 10:48	1	TAL CAN	AS

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
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 320-13864/1-B		320-14024	320-13964	04/10/2013 07:54	1	TAL SAC	TP
A:WS-WC-0050	MB 320-13864/1-B		320-14024	320-13964	04/10/2013 12:00	1	TAL SAC	JS
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: 240-22804-1

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
A:8260B/DoD	LCS 240-81930/35		240-81930		04/15/2013 13:26	1	TAL CAN	SM
P:3520C	LCS 240-81130/23-A		240-82293	240-81130	04/09/2013 10:13	1	TAL CAN	SE
A:8270C/DoD	LCS 240-81130/23-A		240-82293	240-81130	04/17/2013 11:36	1	TAL CAN	JG
P:3540C	LCS 240-81948/24-A		240-82940	240-81948	04/15/2013 11:33	1	TAL CAN	LM
A:8270C/DoD	LCS 240-81948/24-A		240-82940	240-81948	04/22/2013 10:53	1	TAL CAN	MU
P:3540C	LCS 240-83486/24-A		240-83882	240-83486	04/25/2013 08:16	1	TAL CAN	JS
A:8270C/DoD	LCS 240-83486/24-A		240-83882	240-83486	04/28/2013 17:21	1	TAL CAN	MU
P:3520C	LCS 240-80861/12-A		240-81310	240-80861	04/06/2013 10:03	1	TAL CAN	CC
A:8015B_DRO/DOD	LCS 240-80861/12-A		240-81310	240-80861	04/10/2013 17:14	1	TAL CAN	DB
P:3540C	LCS 240-82109/21-A		240-82321	240-82109	04/16/2013 10:36	1	TAL CAN	CC
A:8015B_DRO/DOD	LCS 240-82109/21-A		240-82321	240-82109	04/17/2013 19:55	1	TAL CAN	DB
P:3540C	LCS 240-82097/24-A		240-82537	240-82097	04/16/2013 10:04	1	TAL CAN	CC
A:8015B_DRO/DOD	LCS 240-82097/24-A		240-82537	240-82097	04/18/2013 21:13	1	TAL CAN	DB
P:3520C	LCS 240-80943/3-A		240-82129	240-80943	04/08/2013 09:24	1	TAL CAN	LM
A:8081/DOD	LCS 240-80943/3-A		240-82129	240-80943	04/16/2013 20:00	1	TAL CAN	RS
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:3520C	LCS 240-80942/7-A		240-81995	240-80942	04/08/2013 09:21	1	TAL CAN	LM
A:8082/DOD	LCS 240-80942/7-A		240-81995	240-80942	04/15/2013 17:23	1	TAL CAN	LH
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:Filtration	LCS 320-13805/2-A		320-13918	320-13805	04/08/2013 10:17	1	TAL SAC	TP
A:8330 Modified	LCS 320-13805/2-A		320-13918	320-13805	04/10/2013 04:08	1	TAL SAC	kr
P:Sieve/Ultrasoni	LCS 320-13885/2-A		320-14120	320-13885	04/09/2013 10:24	1	TAL SAC	HA
A:8330 Modified	LCS 320-13885/2-A		320-14120	320-13885	04/11/2013 16:36	1	TAL SAC	kr
P:8330B	LCS 320-13877/2-A		320-14412	320-13877	04/09/2013 09:33	1	TAL SAC	HA
A:8330B	LCS 320-13877/2-A		320-14412	320-13877	04/19/2013 11:43	1	TAL SAC	RN
P:8330-Prep	LCS 320-13819/2-A		320-15252	320-13819	04/08/2013 11:28	1	TAL SAC	HA
A:8330B	LCS 320-13819/2-A		320-15252	320-13819	04/29/2013 17:05	1	TAL SAC	RN
P:3050B	LCS 180-69392/2-A		180-71214	180-69392	04/17/2013 10:27	1	TAL PIT	CH
A:6020/DOD	LCS 180-69392/2-A		180-71214	180-69392	05/07/2013 13:13	1	TAL PIT	BR
P:3005A	LCS 180-70060/2-A		180-71214	180-70060	04/25/2013 09:51	1	TAL PIT	CH
A:6020/DOD	LCS 180-70060/2-A		180-71214	180-70060	05/07/2013 14:51	1	TAL PIT	BR
P:7470A	LCS 240-80775/2-A		240-81255	240-80775	04/05/2013 15:45	1	TAL CAN	SG
A:7470A/DOD	LCS 240-80775/2-A		240-81255	240-80775	04/09/2013 10:49	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

Client: Environmental Chemical Corp. Job Number: 240-22804-1

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
P:353 (NCell-Hyd)	LCS 320-13864/2-B		320-14024	320-13964	04/10/2013 07:54	1	TAL SAC	TP
A:WS-WC-0050	LCS 320-13864/2-B		320-14024	320-13964	04/10/2013 12:02	1	TAL SAC	JS
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: 240-22804-1

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:8260B/DoD	MRL 240-81930/5		240-81930		04/15/2013 12:22	1	TAL CAN	SM
A:8260B/DoD	MRL 240-81930/15		240-81930		04/15/2013 16:19	1	TAL CAN	SM
A:8270C/DoD	MRL 240-82293/3		240-82293		04/17/2013 10:49	1	TAL CAN	JG
A:8270C/DoD	MRL 240-82293/25		240-82293		04/17/2013 19:29	1	TAL CAN	JG
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:8270C/DoD	MRL 240-83126/3		240-83126		04/23/2013 10:17	1	TAL CAN	MU
A:8270C/DoD	MRL 240-83126/22		240-83126		04/23/2013 18:27	1	TAL CAN	MU
A:8270C/DoD	MRL 240-83882/3		240-83882		04/28/2013 15:38	1	TAL CAN	MU
A:8270C/DoD	MRL 240-83882/13		240-83882		04/28/2013 19:57	1	TAL CAN	MU
A:8015B_DRO/DOD	MRL 240-81310/10		240-81310		04/10/2013 16:13	1	TAL CAN	DB
A:8015B_DRO/DOD	MRL 240-81310/15		240-81310		04/10/2013 18:46	1	TAL CAN	DB
A:8015B_DRO/DOD	MRL 240-82321/11		240-82321		04/17/2013 18:55	1	TAL CAN	DB
A:8015B_DRO/DOD	MRL 240-82321/36		240-82321		04/18/2013 07:37	1	TAL CAN	DB
A:8015B_DRO/DOD	MRL 240-82537/6		240-82537		04/18/2013 17:32	1	TAL CAN	DB
A:8015B_DRO/DOD	MRL 240-82537/39		240-82537		04/19/2013 10:49	1	TAL CAN	DB
A:8081/DOD	MRL 240-82129/14		240-82129		04/16/2013 16:39	1	TAL CAN	RS
A:8081/DOD	MRL 240-82129/51		240-82129		04/17/2013 05:05	1	TAL CAN	RS
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 240-83400/26		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:8081/DOD	MRL 240-83482/8		240-83482		04/25/2013 10:17	1	TAL CAN	RS
A:8081/DOD	MRL 240-83482/23		240-83482		04/25/2013 15:20	1	TAL CAN	RS
A:8082/DOD	MRL 240-81995/10		240-81995		04/15/2013 16:04	1	TAL CAN	LH
A:8082/DOD	MRL 240-81995/17		240-81995		04/15/2013 17:54	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:WS-WC-0050	MRL 320-14024/33		320-14024		04/10/2013 11:52	1	TAL SAC	JS
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

Client: Environmental Chemical Corp. Job Number: 240-22804-1

Laboratory Chronicle

Lab References:
TAL CAN = TestAmerica Canton
TAL PIT = TestAmerica Pittsburgh
TAL SAC = TestAmerica Sacramento

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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
EXDIESELSPKW_00027	09/11/13	04/03/13	ACETONE, Lot 0000010624	50 mL	EXDIESELSPK_00005	2.5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00005	02/28/15		ULTRA, Lot CH-0185		(Purchased Reagent)		Diesel	50000 ug/mL
EXDIESELSPKW_00028	09/11/13	04/15/13	MECL2, Lot 0000037900	100 mL	SGDIESEL ICV_00004	25 mL	Diesel	2500 ug/mL
.SGDIESEL ICV_00004	10/05/13	04/15/13	MECL2, Lot 0000027455	100 mL	sgdeisel Icv_00003	1 g	Diesel	10000 ug/mL
..sgdeisel Icv_00003	10/05/13		Sheetz Station, Lot Sheetz		(Purchased Reagent)		Diesel	1000000 g
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
EXTPHSURR_00017	06/05/13	01/15/13	MECL2, Lot 0000027455	1000 mL	EXTPHSTOCK_00006	5 mL	n-Nonane	500 ug/mL
.EXTPHSTOCK_00006	06/05/13	06/05/12	MECL2, Lot L12E15	50 mL	EXNONANE_00002	5 g	n-Nonane	100000 ug/g
..EXNONANE_00002	06/04/14		Sigma-Aldrich, Lot STBC5938V		(Purchased Reagent)		n-Nonane	1000000 ug/g
EXTPHSURR_00019	01/18/14	01/15/13	MECL2, Lot 0000027455	1000 mL	EXTPHSTOCK_00007	5 mL	n-Nonane	500 ug/mL
.EXTPHSTOCK_00007	01/18/14	01/18/13	MECL2, Lot 0000027455	20 mL	EXNONANE_00002	2 g	n-Nonane	100000 ug/g
..EXNONANE_00002	06/04/14		Sigma-Aldrich, Lot STBC5938V		(Purchased Reagent)		n-Nonane	1000000 ug/g
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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 %
MTH2S04_00012	02/14/15	Macron, Lot 0000020228			(Purchased Reagent)		Sulfuric acid	100 %
MTHGCALW_00348	04/05/13	04/05/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					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_00349	04/08/13	04/08/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					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_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
MTHNO3_00045	03/14/15	Macron Chemicals, Lot L10022			(Purchased Reagent)		Nitric acid	100 %
MTK2S208RGNT_00037	03/25/15	03/25/13	DIWATER, Lot DIWATER	2 L	MTK2S208_00012	100 g	Potassium persulfate	0.05 g/g
.MTK2S208_00012	10/10/17	Macron, Lot 0000014353			(Purchased Reagent)		Potassium persulfate	1 g/g
MTKMN04W_00040	03/12/15	03/12/13	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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
.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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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@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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					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
SGDROCAL_00004	08/14/13	02/14/13	MECL2, Lot 0000027455	100 mL	SGDROCALSTK_00004	1 g	Diesel	10000 ug/mL
					SGDROSURR_00002	1 mL	n-Nonane	1000 ug/mL
.SGDROCALSTK_00004	02/05/14	SCFN, Lot 020513			(Purchased Reagent)		Diesel	1000000 ug/mL
.SGDROSURR_00002	08/14/13	02/14/13	MECL2, Lot 0000027455	10 mL	SGDROSURRSTK_00001	1 g	n-Nonane	100000 ug/mL
..SGDROSURRSTK_00001	08/20/13	sigma aldrich, Lot TBC5938V			(Purchased Reagent)		n-Nonane	1000000 ug/mL
SGDROICV_00001	04/12/13	10/12/12	MECL2, Lot 0000010059	100 mL	SGDROICVSTK_00001	1 g	Diesel	10000 ug/mL
.SGDROICVSTK_00001	10/05/13	Sheetz Station, Lot Sheetz			(Purchased Reagent)		Diesel	1000000 g
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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
							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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VM250SS_00011	10/02/13	04/02/13	MEOH, Lot 124454	50 mL	VM567650_00007	5 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
.VM567650_00007	02/28/18		Restek, Lot A093505		(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
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_00102	04/16/13	04/09/13	MEOH, Lot na	2 mL	vm50ss_stk_00050	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.vm50ss_stk_00050	07/09/13	04/09/13	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
VM567649_00014	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	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
							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
VMRFASW_00001	04/21/13	04/14/13	MEOH, Lot na	1 mL	VMRFAS_00001	1 mL	1,1,1-Trichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 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	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
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMRFAS_00001	05/14/13	04/14/13	MEOH, Lot 124454	10 mL	VM567641_00007	250 uL	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	50 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	100 ug/mL
					VM567642_00007	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
					vm567645_00011	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567641_00007	02/29/16		restek, Lot A093733		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							Benzene	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642_00007	02/29/16		Restek, Lot A093472		(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
..vm567645_00011	02/28/15		Restek, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMRFASW_00002	04/22/13	04/15/13	MEOH, Lot na	1 mL	VMRFAS_00001	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
							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-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							Acetone	100 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMRFAS_00001	05/14/13	04/14/13	MEOH, Lot 124454	10 mL	VM567641_00007	250 uL	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-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642_00007	100 uL	Acetone	100 ug/mL
					vm567645_00011	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567641_00007	02/29/16		restek, Lot A093733		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	2000 ug/mL
							Benzene	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-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642_00007	02/29/16		Restek, Lot A093472		(Purchased Reagent)		Acetone	10000 ug/mL
..vm567645_00011	02/28/15		Restek, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 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
VMRGAS_00003	04/16/13	04/09/13	MEOH, Lot 124454	10 mL	vm567645_00009	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_00009	02/28/15		Restek, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VMRPRIMW_00002	04/16/13	04/09/13	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
							1,1-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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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

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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

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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

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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

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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

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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_00003	06/10/12	05/01/12	25% 0.1%HOAc in ACN, Lot 4457-41A	100 mL	HP8330TA_00007	0.1 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
					HPNGTA_00011	0.02 mL	Nitroglycerin	200 ng/mL
					HPPETNTA_00006	0.02 mL	PETN	200 ng/mL
.HP8330TA_00007	10/30/12		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_00011	10/31/12		Cerilliant, Lot FN052106-01		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00006	10/30/12		Cerilliant, Lot FN102810-02		(Purchased Reagent)		PETN	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

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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	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
..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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	50 mL	HP8330L4_00001	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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Nitroglycerin	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL
							PETN	5 ng/mL
.HP8330L4_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.05 mL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00002	0.05 mL	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
					HPNGSP_00001	0.05 mL	Nitroglycerin	50 ng/mL
					HPPASP_00001	0.1 mL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00001	0.05 mL	PETN	50 ng/mL
..HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00001	04/30/16	Restek, Lot A081013			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00001	07/24/12		Restek, Lot A078069		(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
..HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
...HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
..HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
...HPPETNTA_00007	07/24/12		Restek, Lot A081240		(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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	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
.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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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_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
HP8330L2_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.01 mL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00002	0.01 mL	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPNGSP_00001	0.01 mL	Nitroglycerin	10 ng/mL
					HPPASP_00001	0.02 mL	2,4,6-Trinitrophenol	20 ng/mL
					HPPETNSP_00001	0.01 mL	PETN	10 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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
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
							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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.02 mL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00002	0.02 mL	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
					HPNGSP_00001	0.02 mL	Nitroglycerin	20 ng/mL
					HPPASP_00001	0.05 mL	2,4,6-Trinitrophenol	50 ng/mL
					HPPETNSP_00001	0.02 mL	PETN	20 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	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
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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
							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_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.05 mL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00002	0.05 mL	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
					HPNGSP_00001	0.05 mL	Nitroglycerin	50 ng/mL
					HPPASP_00001	0.1 mL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00001	0.05 mL	PETN	50 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
..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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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 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
							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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
HP8330L5_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	500 mL	HP34DNTSU_00001	1 mL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00002	1 mL	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
					HPNGSP_00001	1 mL	Nitroglycerin	100 ng/mL
					HPPASP_00001	2 mL	2,4,6-Trinitrophenol	200 ng/mL
					HPPETNSP_00001	1 mL	PETN	100 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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.: 240-22804-1

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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	1000 ug/mL
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
HP8330L5_00010	05/04/13	03/12/13	25% 1%HoAC in ACN 75, Lot 4457-79F	50 mL	HP8330L6_00008	25 mL	3,4-Dinitrotoluene	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
							Nitroglycerin	100 ng/mL
							PETN	100 ng/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	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
					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	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
...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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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_00015	05/04/13	04/16/13	25% 1%HoAC in ACN 75, Lot 4457-91G	20 mL	HP8330L6_00008	10 mL	3,4-Dinitrotoluene	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
							Nitroglycerin	100 ng/mL
							PETN	100 ng/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	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
					HPNGPETNSP_00002	400 uL	Nitroglycerin	200 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	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
...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
..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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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	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
							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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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_00001	07/20/12	03/06/12	25% 1%HoAC in ACN 75, Lot 4457-17F	100 mL	HP34DNTSU_00001	0.4 mL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00002	0.4 mL	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
					HPNGSP_00001	0.4 mL	Nitroglycerin	200 ng/mL
					HPPASP_00001	1 mL	2,4,6-Trinitrophenol	500 ng/mL
					HPPETNSP_00001	0.4 mL	PETN	200 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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	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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L7_00001	07/20/12	03/06/12	25% 1%HOAc in ACN 75, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.35 mL	3,4-Dinitrotoluene	350 ng/mL
					HP8330SP_00002	0.5 mL	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
					HPNGSP_00001	0.5 mL	Nitroglycerin	500 ng/mL
					HPPASP_00001	1 mL	2,4,6-Trinitrophenol	1000 ng/mL
					HPPETNSP_00001	0.5 mL	PETN	500 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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.: 240-22804-1

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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
HP8330L8_00001	07/20/12	03/06/12	25% 0.1%HoAC in ACN, Lot 4457-17F	50 mL	HP34DNTSU_00001	0.5 mL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00002	1 mL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	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
					HPNGSP_00001	1 mL	Nitroglycerin	1000 ng/mL
					HPPASP_00001	2 mL	2,4,6-Trinitrophenol	2000 ng/mL
					HPPETNSP_00001	1 mL	PETN	1000 ng/mL
.HP34DNTSU_00001	07/20/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00001	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00001	04/30/16		Restek, Lot A081013		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00002	07/24/12	03/05/12	Acetonitrile, Lot K41815	50 mL	HP35DNATA_00001	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00001	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_00001	07/24/12		Restek, Lot A080341		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00001	07/24/12		Restek, Lot A078069		(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.: 240-22804-1

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
.HPNGSP_00001	07/24/12	03/06/12	Methanol, Lot K18E18	50 mL	HPNGTA_00001	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00001	07/24/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00001	07/24/12	03/06/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00004	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00004	07/24/12		Restek, Lot A080173		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00001	07/24/12	03/06/12	Methanol, Lot K41815	50 mL	HPPETNTA_00007	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00007	07/24/12		Restek, Lot A081240		(Purchased Reagent)		PETN	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
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

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

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	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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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_00021	04/19/13	04/02/13	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
					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-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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
WC-353.2-L4_00015	04/19/13	04/02/13	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00020	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-353.2-INT_00020	04/19/13	04/02/13	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_00007	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_00007	04/19/13	ERA, Lot 2040212			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							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
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

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.

ACCREDITED

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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
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.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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)

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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

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.

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Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
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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.

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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

JVIMS Received 12/13/11

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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)

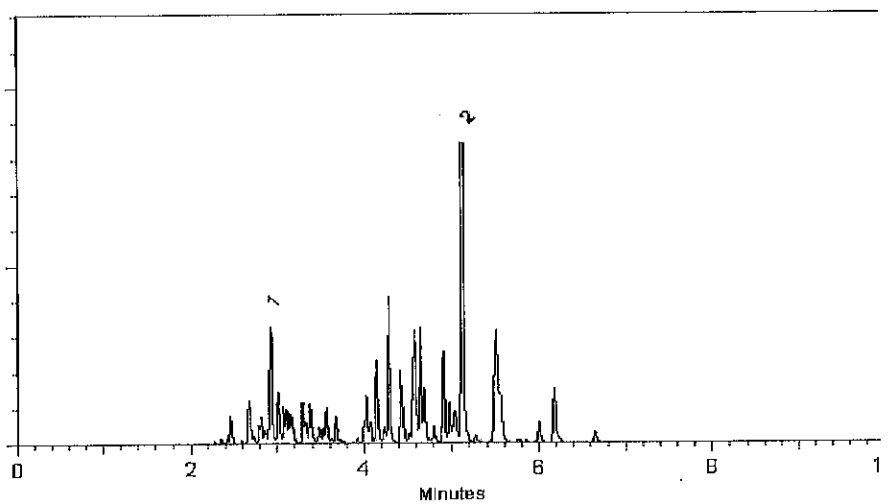
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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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)

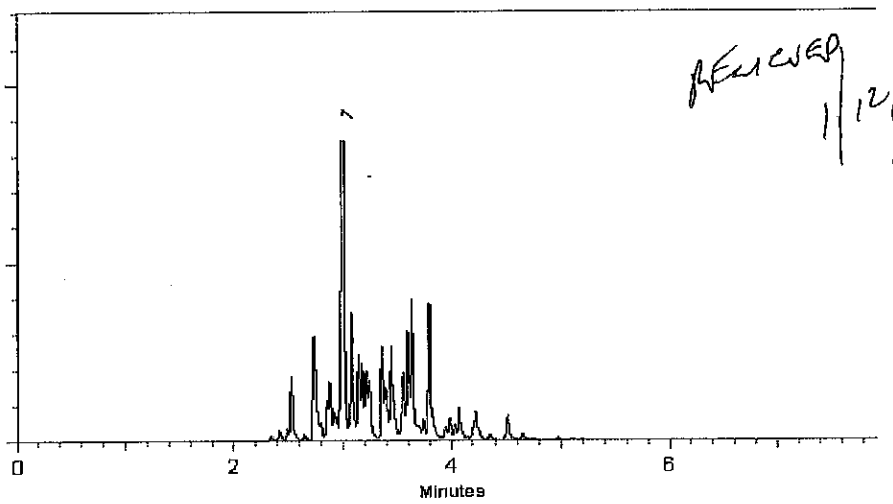
Carrier Gas:
helium-constant pressure 20 psi.

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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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 : [5,1] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : 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)

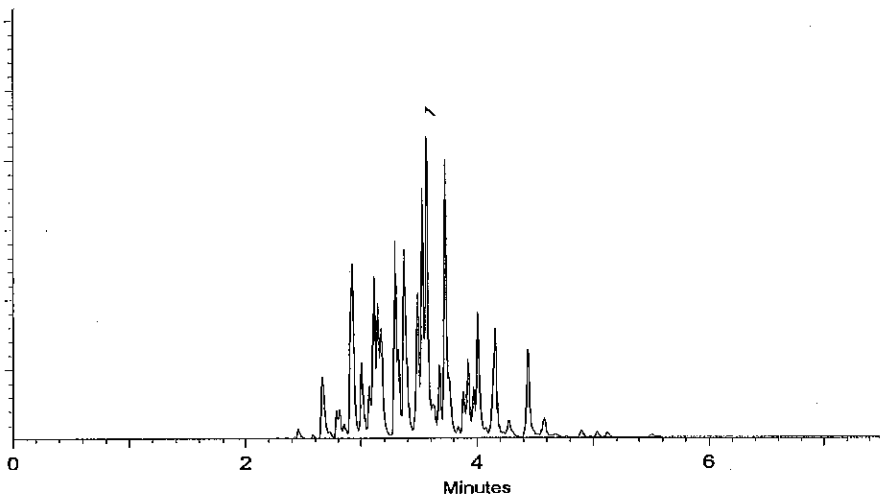
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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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)

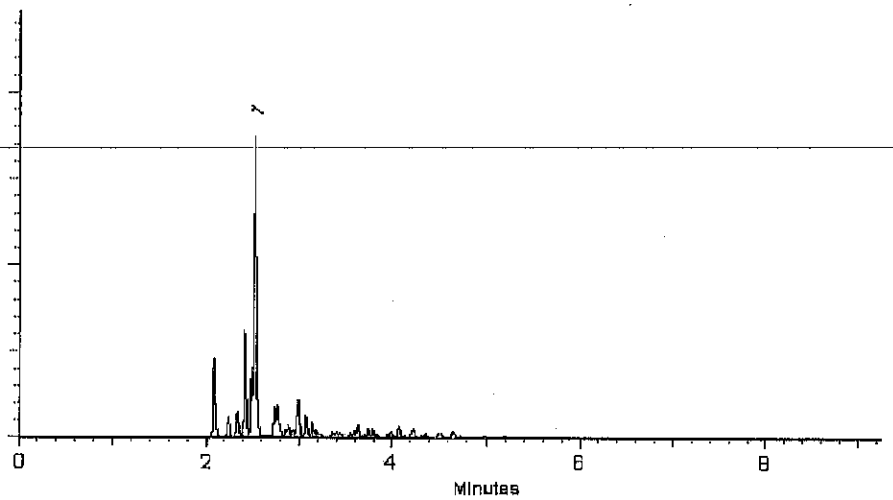
Carrier Gas:
helium-constant pressure 20 psi.

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
7/27/10

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

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Certificate of Analysis

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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)

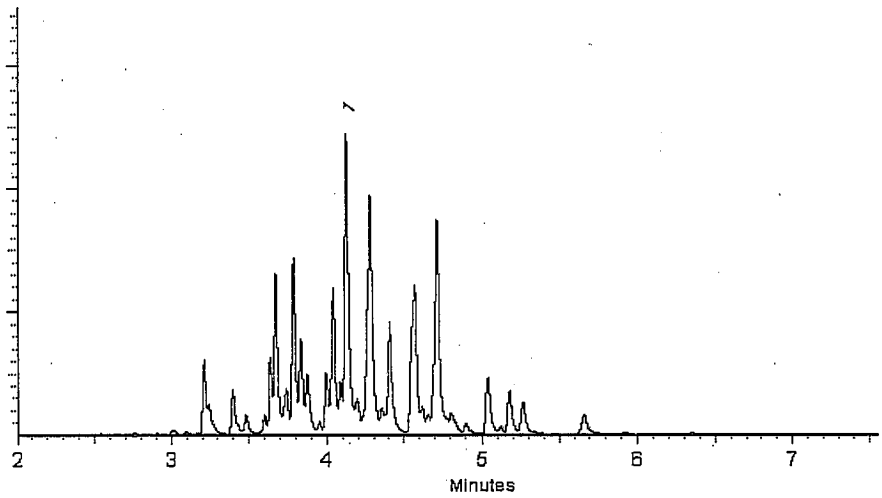
Carrier Gas:
helium-constant pressure 20 psi.

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

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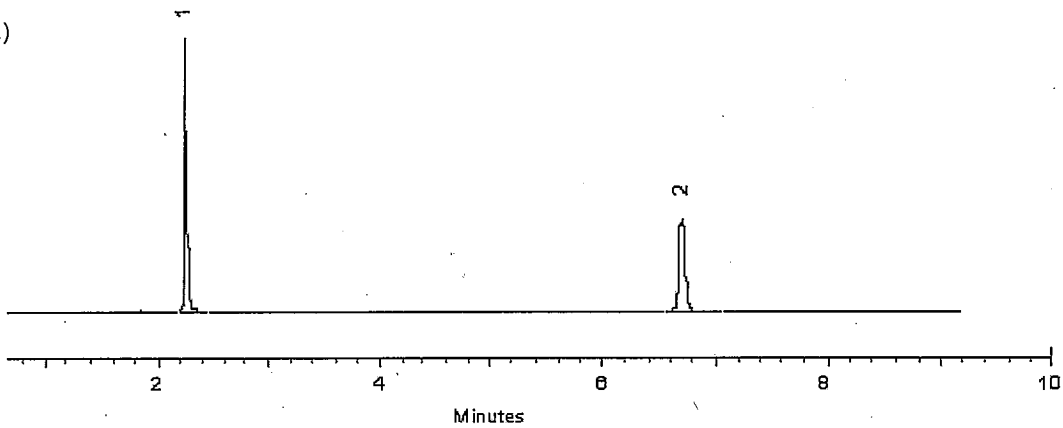
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

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

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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)

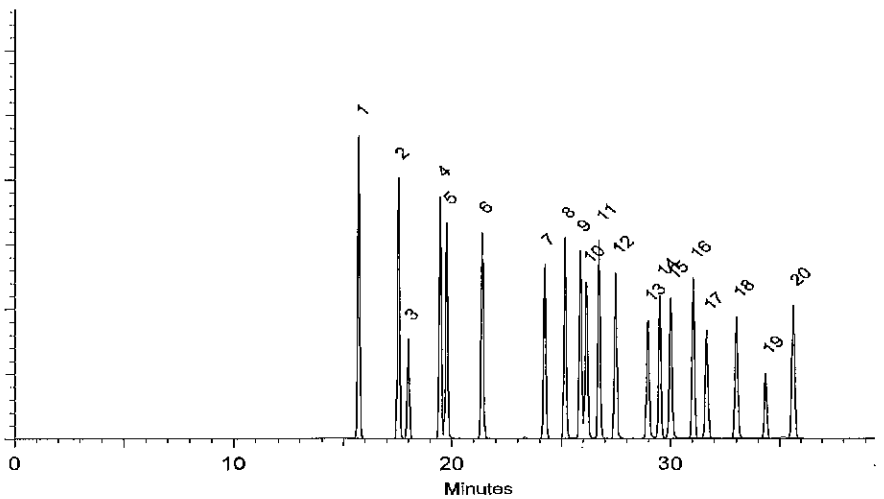
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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

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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

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

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William J. Leary
Quality Assurance Manager

RESTEK

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www.Restek.com

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Reference Material Producer
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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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)

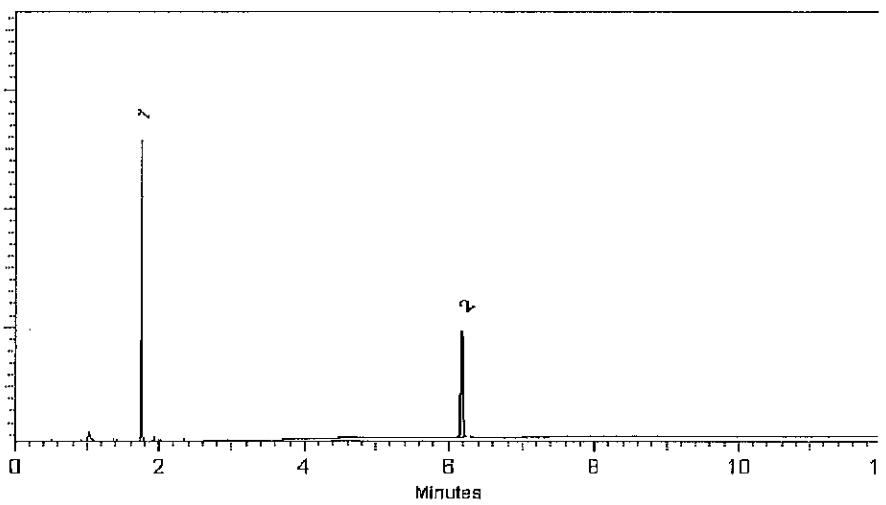
Carrier Gas:
helium-constant pressure 20 psi.

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.

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Phone (814) 359-3441

SMIS R_00002

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Certificate of Analysis

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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)

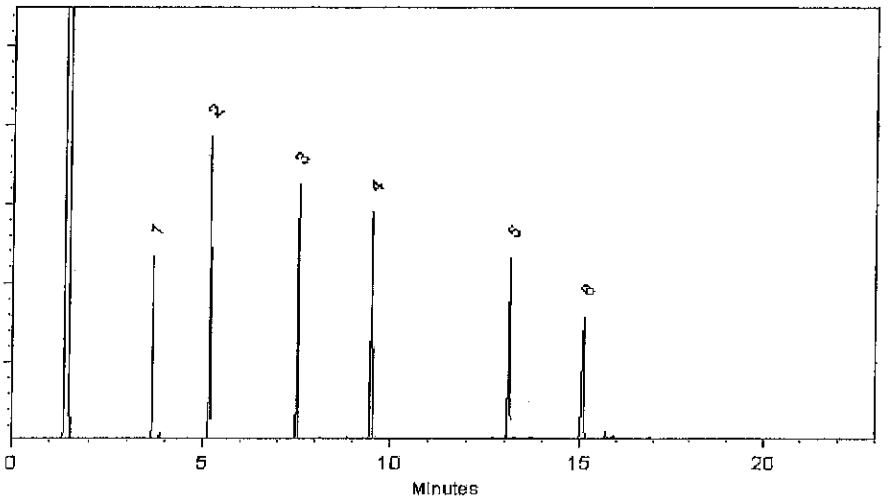
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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Certificate of Analysis

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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.

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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. : 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)

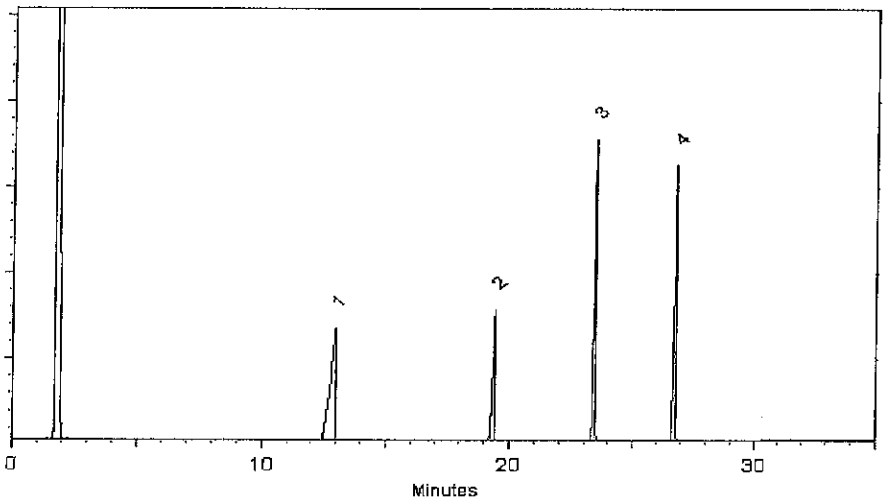
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 #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 **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)

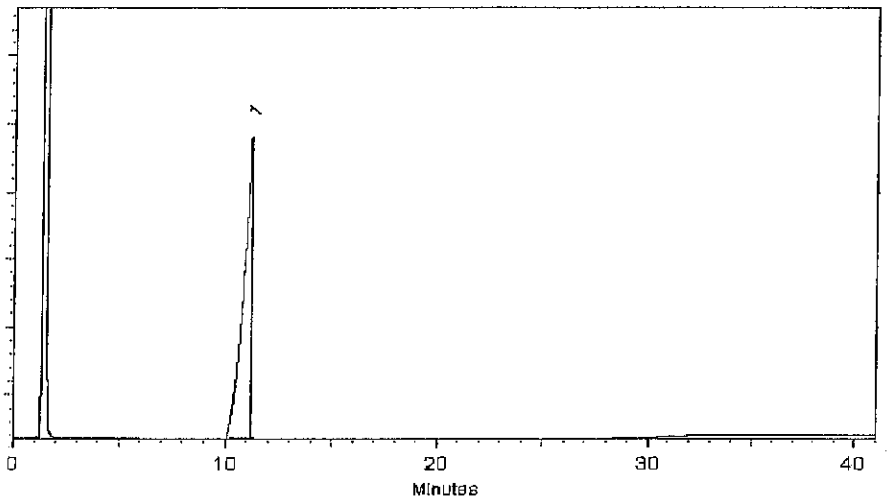
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 #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. : 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)

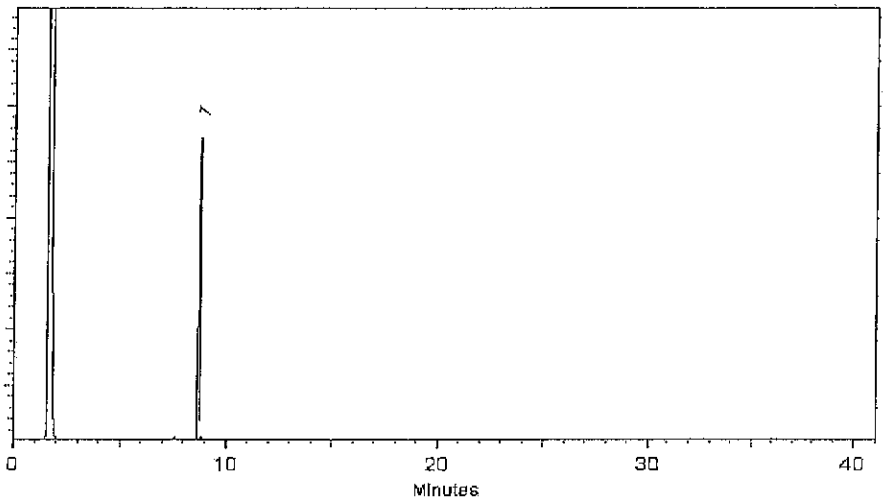
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

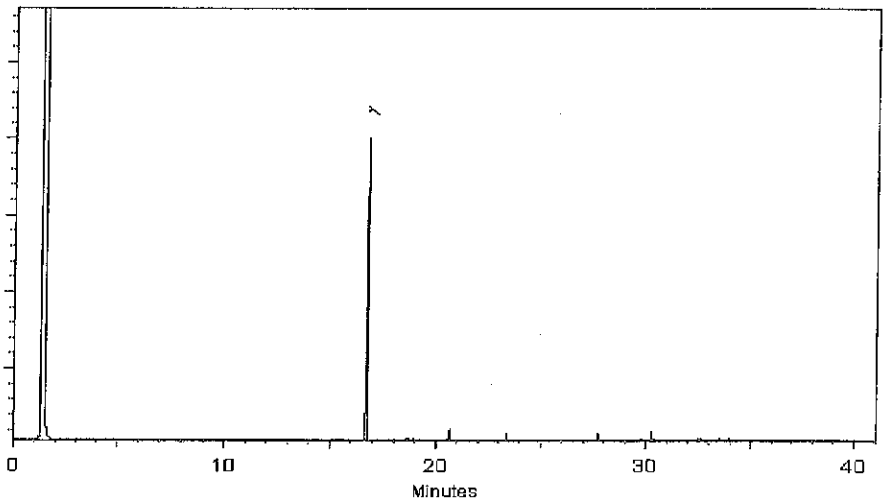
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

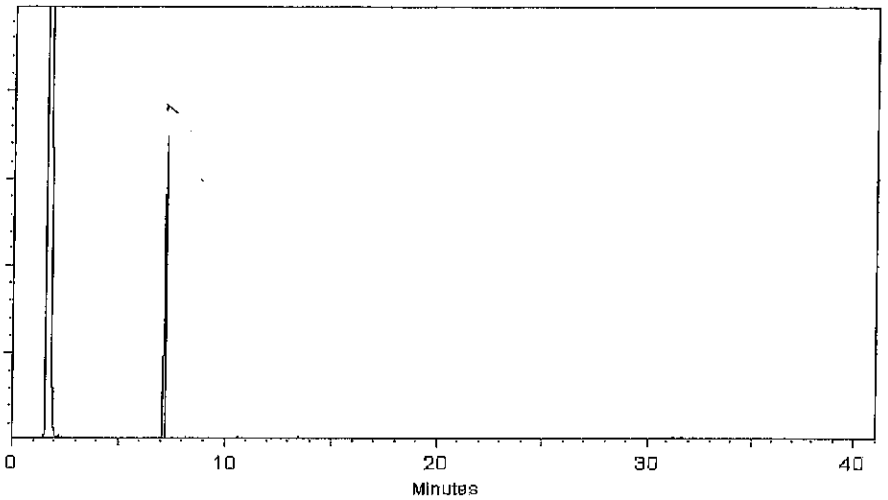
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.
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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. : 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)

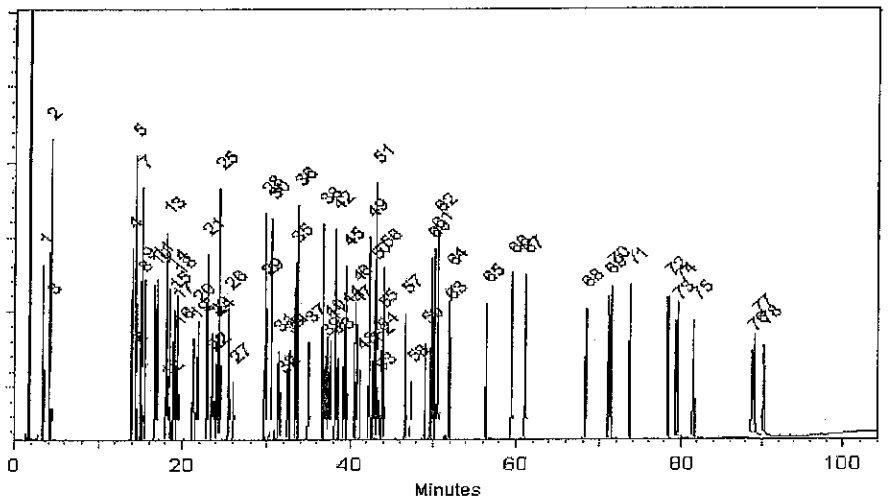
Carrier Gas:
hydrogen-constant pressure 10 psi

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.

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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. : 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)

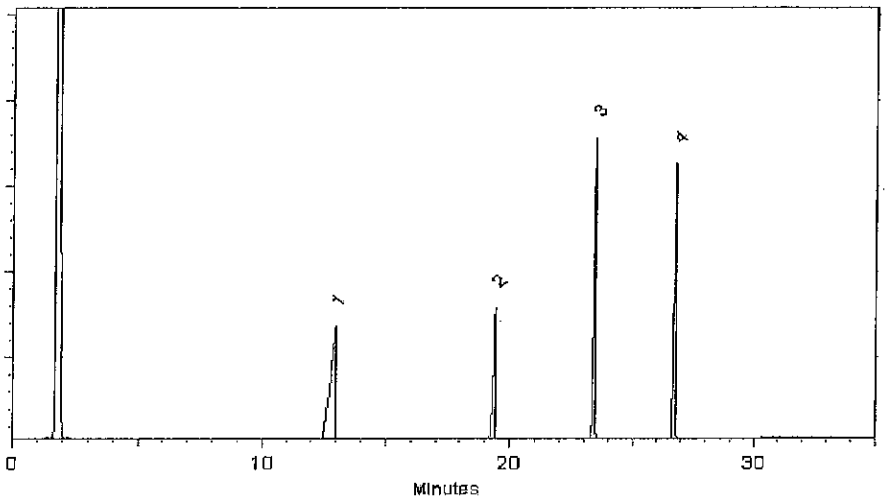
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

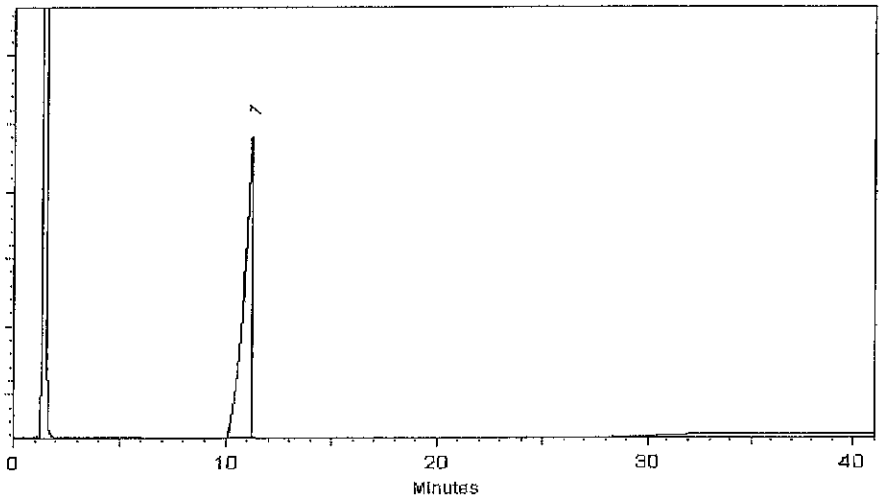
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
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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ISO/IEC 17025 Accredited
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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. : 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)

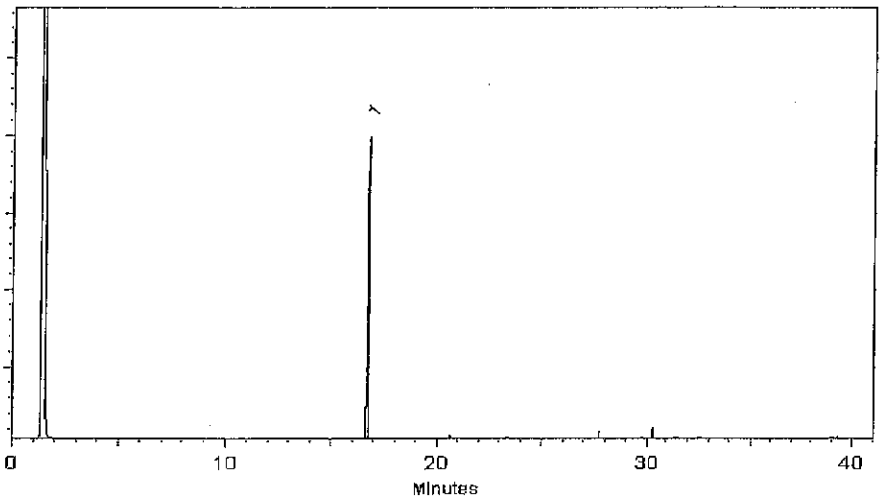
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 **CAS #** 367-12-4 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d5 **CAS #** 4165-62-2 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 132.9492 +/- 163.4029	µg/mL µg/mL µg/mL	Gravimetric Unstressed 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)

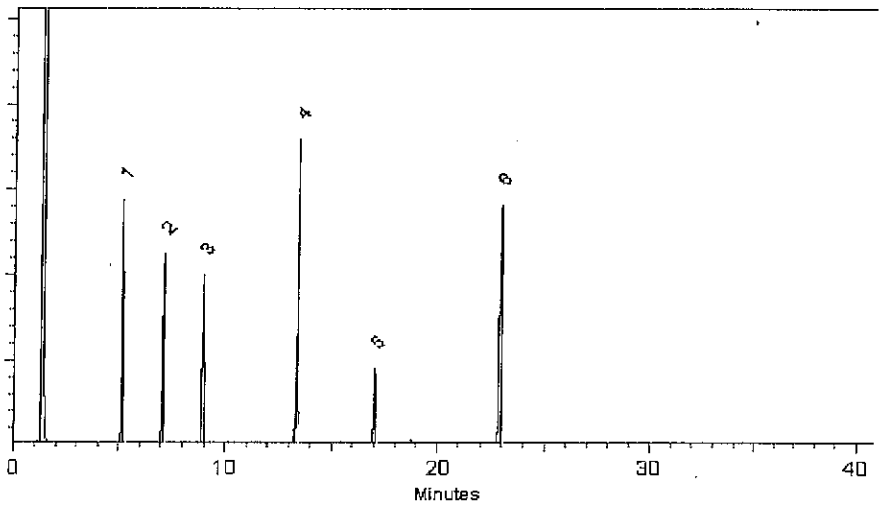
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.
- 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 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)

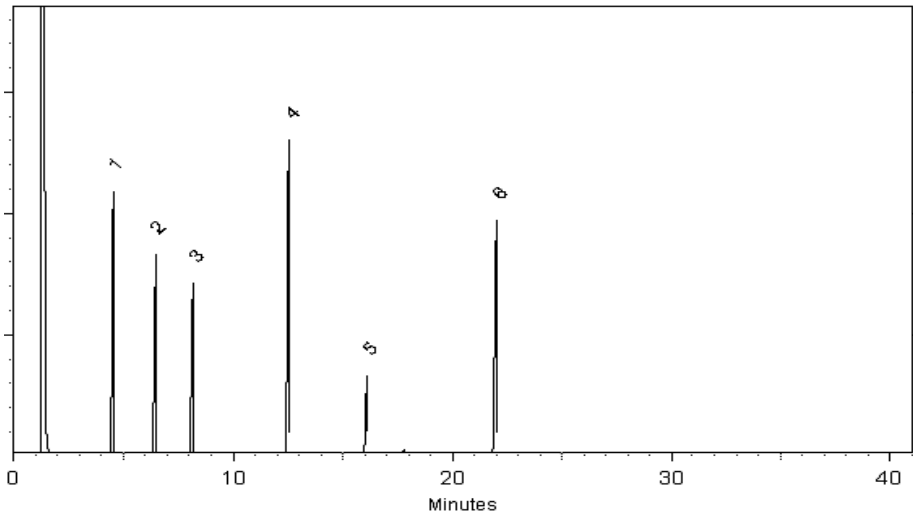
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.
- 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.

REVIEWED
By jlidgett at 8:46 am, Jan 15, 2013

3/15/11
TS

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Certificate of Analysis

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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)

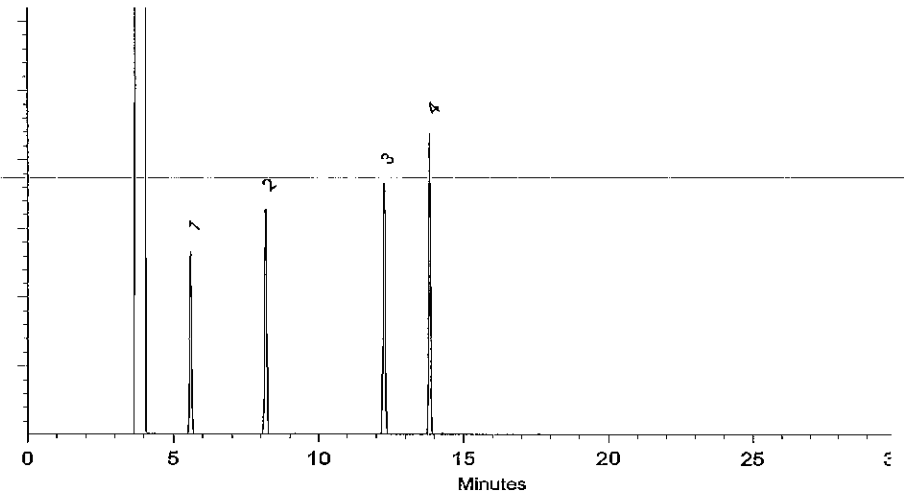
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

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11/23/11
FS

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)

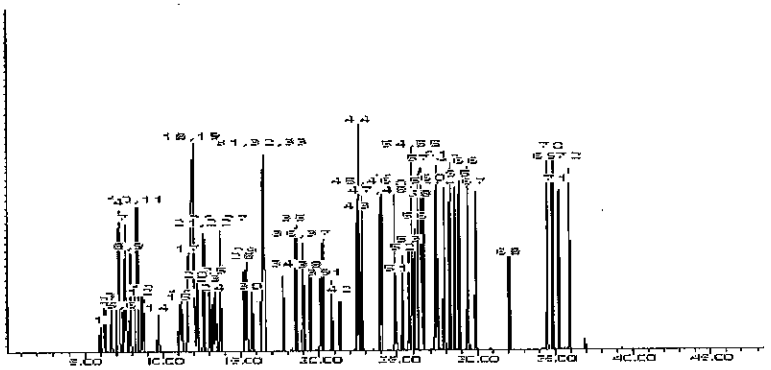
Carrier Gas:
helium-constant pressure 30 psi

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
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Certificate #FM 80397

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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)

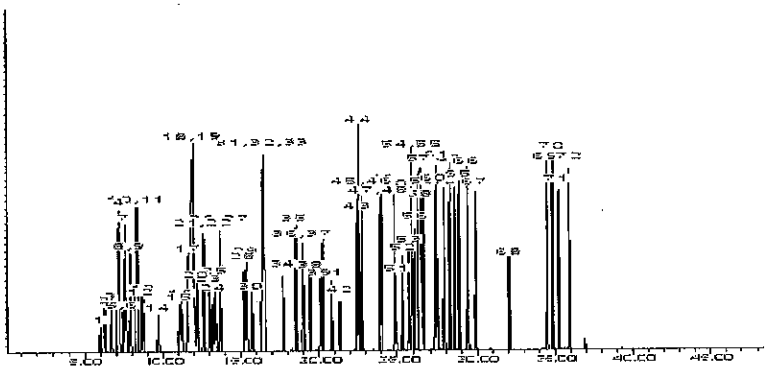
Carrier Gas:
helium-constant pressure 30 psi

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

RESTEK

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Bellefonte, PA 16823-8812
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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. : 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	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 67-64-1		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
2	2-Butanone (MEK)	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 78-93-3		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 108-10-1		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
4	2-Hexanone	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 591-78-6		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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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	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 67-64-1		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
2	2-Butanone (MEK)	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 78-93-3		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 108-10-1		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed
4	2-Hexanone	10,000.0 µg/mL	+/- 58.1378	µg/mL	Gravimetric
	CAS # 591-78-6		+/- 798.6896	µg/mL	Unstressed
	Purity 99%		+/- 799.0807	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

RESTEK

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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.

RESTEK

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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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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. : 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. : 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) **CAS #** 75-71-8 **Purity** 99%	2,000.0 µg/mL	+/- 13.8716 +/- 25.2661 +/- 28.2336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 **Purity** 99%	1,999.8 µg/mL	+/- 13.9993 +/- 25.3348 +/- 28.2945	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 **Purity** 99%	2,000.1 µg/mL	+/- 13.9625 +/- 25.3168 +/- 28.2792	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 **Purity** 99%	2,000.0 µg/mL	+/- 13.3773 +/- 24.9981 +/- 27.9940	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 **Purity** 99%	2,000.1 µg/mL	+/- 14.2856 +/- 25.4963 +/- 28.4399	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 **Purity** 99%	2,000.0 µg/mL	+/- 13.2200 +/- 24.9143 +/- 27.9191	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 **Purity** 99%	2,000.0 µg/mL	+/- 13.5174 +/- 25.0735 +/- 28.0614	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
8	Trichlorofluoromethane (CFC-11) **CAS #** 75-69-4 **Purity** 99%	1,999.9 µg/mL	+/- 13.1170 +/- 24.8590 +/- 27.8696	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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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. : 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.

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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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. : 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	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 25725-11-5		+/- 110.6323	µg/mL	Unstressed
	Purity 99%		+/- 111.0833	µg/mL	Stressed
2	Fluorobenzene	250.0 µg/mL	+/- 1.4535	µg/mL	Gravimetric
	CAS # 462-06-6		+/- 5.5316	µg/mL	Unstressed
	Purity 99%		+/- 5.5542	µg/mL	Stressed
3	1,4-Dioxane-d8	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 17647-74-4		+/- 110.6323	µg/mL	Unstressed
	Purity 99%		+/- 111.0833	µg/mL	Stressed
4	Chlorobenzene-d5	250.0 µg/mL	+/- 1.4535	µg/mL	Gravimetric
	CAS # 3114-55-4		+/- 5.5316	µg/mL	Unstressed
	Purity 99%		+/- 5.5542	µg/mL	Stressed
5	1,4-Dichlorobenzene-d4	250.0 µg/mL	+/- 1.4535	µg/mL	Gravimetric
	CAS # 3855-82-1		+/- 5.5316	µg/mL	Unstressed
	Purity 99%		+/- 5.5542	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Catalog No. : 567650 **Lot No.:** A093505

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500 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	Dibromofluoromethane	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 1868-53-7		+/- 30.1344	µg/mL	Unstressed
	Purity 99%		+/- 34.0022	µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 17060-07-0		+/- 30.1344	µg/mL	Unstressed
	Purity 99%		+/- 34.0022	µg/mL	Stressed
3	Toluene-d8	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 2037-26-5		+/- 30.1344	µg/mL	Unstressed
	Purity 99%		+/- 34.0022	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 460-00-4		+/- 30.1344	µg/mL	Unstressed
	Purity 99%		+/- 34.0022	µg/mL	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)	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

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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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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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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.

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

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Custom Standard

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

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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Quality Assurance Manager

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Custom Standard

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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Quality Assurance Manager

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Certificate of Analysis

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.

A2LA ACCREDITED

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William J Leary
Quality Assurance Manager

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Certificate of Analysis

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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William J. Leary
Quality Assurance Manager

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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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Quality Assurance Manager

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Certificate of Analysis

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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Quality Assurance Manager

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Certificate of Analysis

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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765217

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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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

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Testing Laboratory
Certificate 883.01

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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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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 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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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.

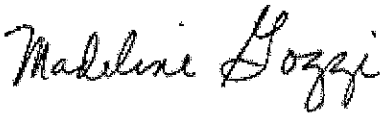
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations 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 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.

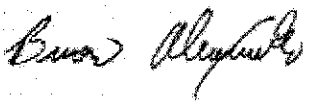
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

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

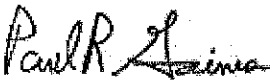
11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (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	

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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™
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 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.

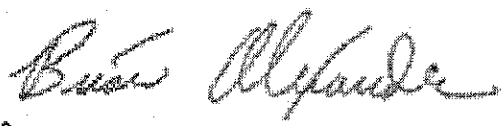
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

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

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.

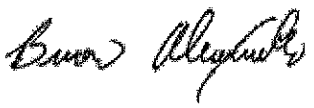
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations 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	

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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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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

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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 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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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**	**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.

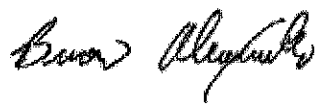
Certification Date: March 06, 2012

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 (±) = $2 [\Sigma(s_i)^2]^{1/2}$

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

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 08, 2013

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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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#
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	090514
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	100901
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	100818
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	101026
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.

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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
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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

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 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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CERTIFICATE OF ANALYSIS

CH 2/14/13

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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

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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 615 of 3688

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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CH 2/14/13

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

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 (±) = $2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 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.

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· 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"
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This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

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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

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10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

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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

F-72 Revd. 8/19/11

HP35DNA TA_00001, 02, 03, 04

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. : 31661 **Lot No.:** A080341

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] November 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

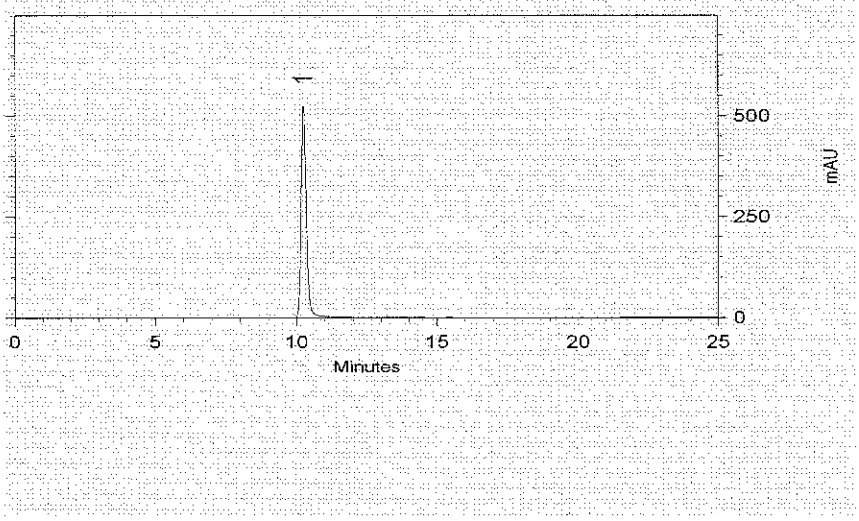
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QAAnalyst

Date Passed: 14-Mar-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.

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.

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 8/28/12 PM

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. : 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)

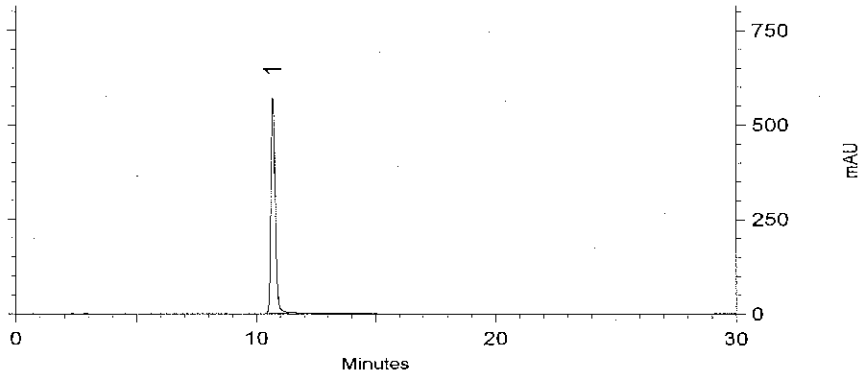
Flow Rate:
1.0 ml/min.

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.

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Fax: (814)353-1309

www.Restek.com

Rcvd 8/28/17 RM

Certificate of Analysis

ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 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)

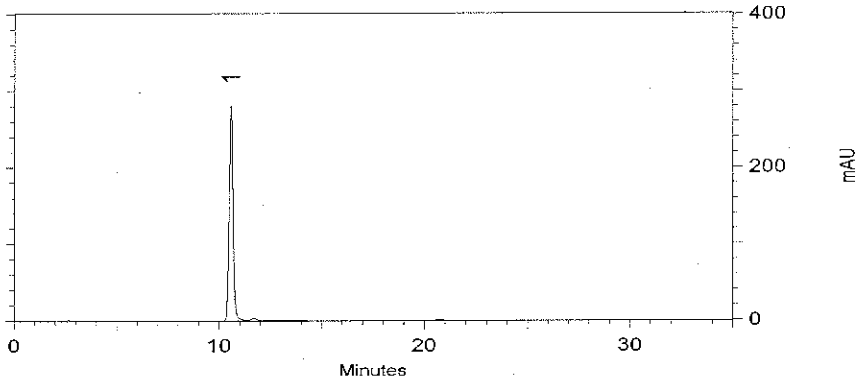
Flow Rate:
1.0 ml/min.

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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Rcvd 8/28/17 RM

ACCREDITED
Reference Material Producer
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.

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)

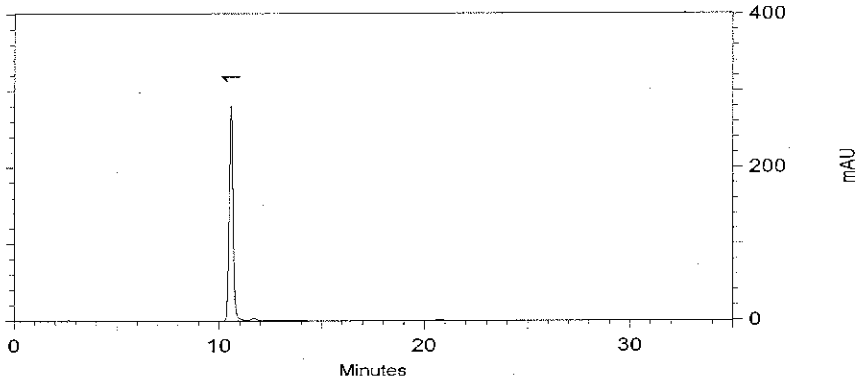
Flow Rate:
1.0 ml/min.

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.
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Recvd 3/11/11 Scanned 4/19/11

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	33905	**Lot No.:**	A078069
Description :	8330 Calibration Standard		
Container Size : [5]	2 mL	**Pkg Amt:** [5]	> 1 mL
Expiration Date : [1]	June 2014	**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	+/-0.59 %
2	RDX	121-82-4	98%	999.6 ug/ml	+/-0.59 %
3	1,3,5-Trinitrobenzene	99-35-4	99%	1,000.0 ug/ml	+/-0.59 %
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/ml	+/-0.59 %
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/ml	+/-0.59 %
6	Tetryl	479-45-8	99%	1,000.0 ug/ml	+/-0.59 %
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/ml	+/-0.59 %
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/ml	+/-0.59 %
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/ml	+/-0.59 %
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/ml	+/-0.59 %
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/ml	+/-0.59 %
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/ml	+/-0.59 %
13	4-Nitrotoluene	99-99-0	99%	1,000.0 ug/ml	+/-0.59 %
14	3-Nitrotoluene	99-08-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

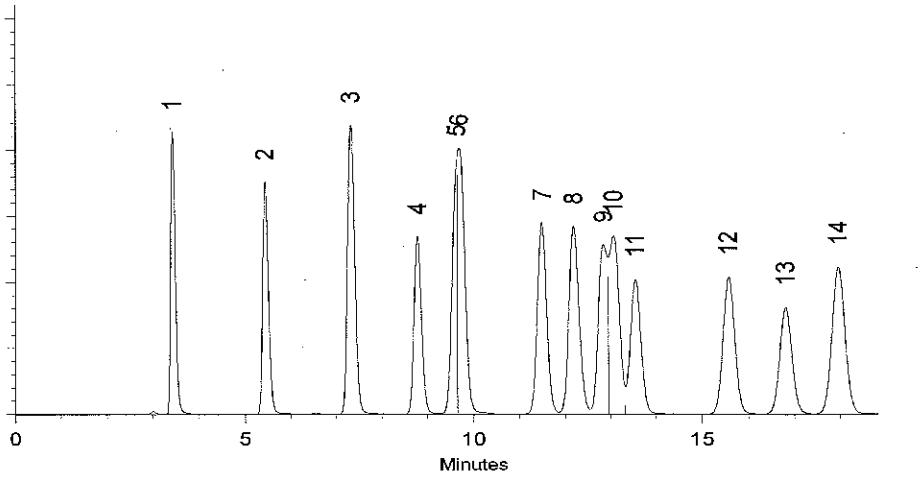
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Standard Solution Assay Parameters

Analysis Method:	HPLC/UV
Column:	Prodigy ODS 3, 4.6 x 250 mm
Mobile Phase:	A: Water B: Methanol

Gradient Program:

Time (mins)	%A	%B
0.0	50	50
10.0	40	60
25.0	40	60

Flow Rate:	0.8 mL/min
Wavelength:	254 nm

Calibration Curve

Calibration Curve:	Linear Regression
Number of Points:	1

Solution Standard Verification and Homogeneity

Compound	Verified Concentration µg/mL	Acceptance Criteria	%RSD - Homogeneity %	Acceptance Criteria
2-Amino-4,6-dinitrotoluene	199.9	± 10%	0.8	≤ 3%
4-Amino-2,6-dinitrotoluene	201.3	± 10%	1.4	≤ 3%
1,3-Dinitrobenzene	199.5	± 10%	0.7	≤ 3%
2,4-Dinitrotoluene	200.1	± 10%	0.6	≤ 3%
2,6-Dinitrotoluene	197.7	± 10%	0.9	≤ 3%
HMX	199.5	± 10%	0.7	≤ 3%
Nitrobenzene	199.8	± 10%	0.5	≤ 3%
2-Nitrotoluene	199.5	± 10%	0.2	≤ 3%
3-Nitrotoluene	199.0	± 10%	0.5	≤ 3%
4-Nitrotoluene	199.4	± 10%	0.6	≤ 3%
RDX	199.4	± 10%	0.7	≤ 3%
Tetryl	197.8	± 10%	0.7	≤ 3%
1,3,5-Trinitrobenzene	199.3	± 10%	0.7	≤ 3%
2,4,6-Trinitrotoluene (TNT)	198.6	± 10%	1.0	≤ 3%

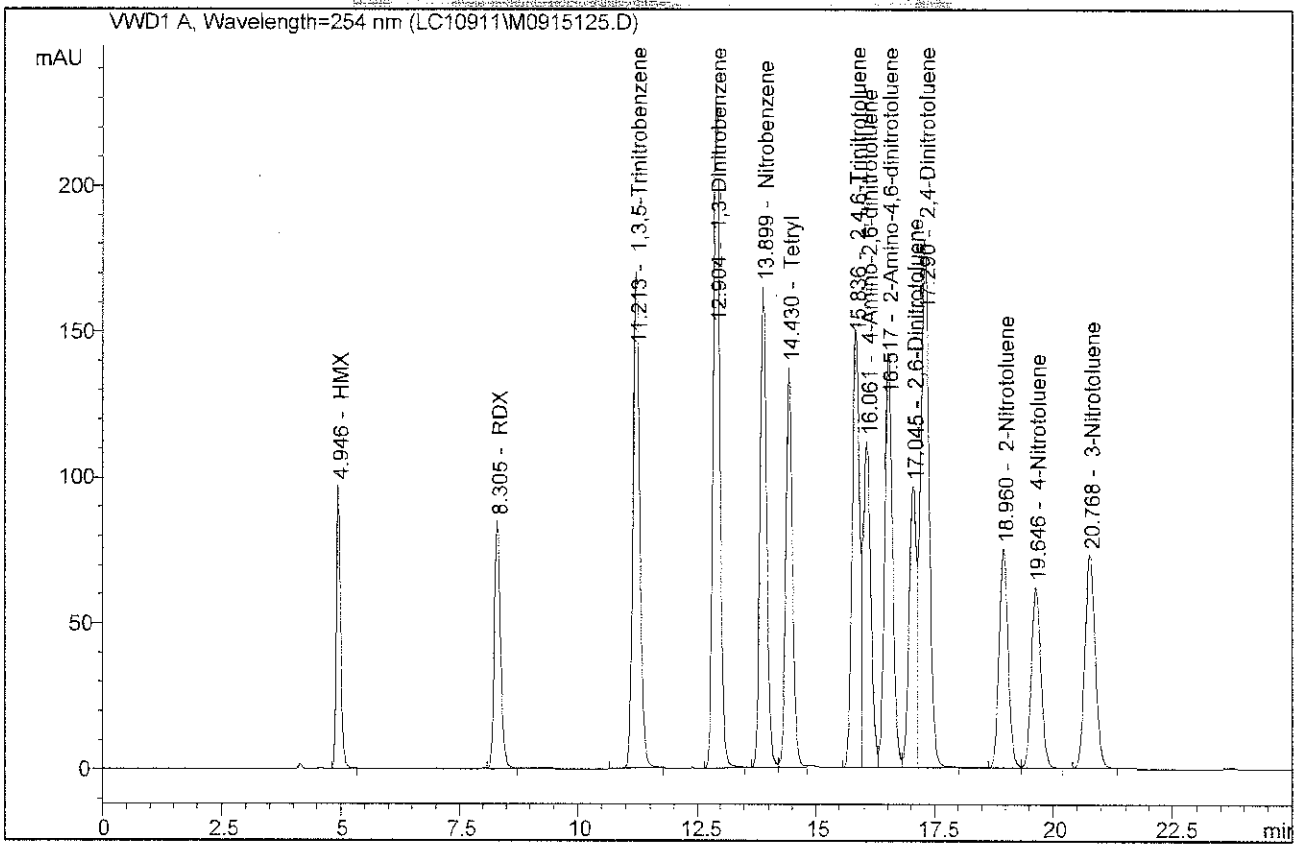
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. The %RSD of samples pulled from across the lot demonstrate homogeneity.
- Product is compared to prior lot and meets acceptance criteria of ± 10%.

Neat Material Data

Compound	Lot Number	CAS Number	Chemical Formula	Molecular Weight	Chromatographic Purity
2-Amino-4,6-dinitrotoluene	29550-55	35572-78-2	$C_7H_7N_3O_4$	197.15	99.98%
4-Amino-2,6-dinitrotoluene	ER070908-01	19406-51-0	$C_7H_7N_3O_4$	197.15	99.88%
1,3-Dinitrobenzene	EB-1876	99-65-0	$C_6H_4N_2O_4$	168.11	98.72%
2,4-Dinitrotoluene	EB-1379	121-14-2	$C_7H_6N_2O_4$	182.14	99.00%
2,6-Dinitrotoluene	PER-083-93401	606-20-2	$C_7H_6N_2O_4$	182.14	99.59%
HMX	ER052908-01	2691-41-0	$C_4H_8N_8O_8$	296.16	98.41%
Nitrobenzene	PR090310-01	98-95-3	$C_6H_5NO_2$	123.11	99.96%
2-Nitrotoluene	EB-1509	88-72-2	$C_7H_7NO_2$	137.14	99.95%
3-Nitrotoluene	EB-1519	99-08-1	$C_7H_7NO_2$	137.14	99.94%
4-Nitrotoluene	EB-1816	99-99-0	$C_7H_7NO_2$	137.14	99.81%
RDX	ER091609-04	121-82-4	$C_3H_6N_6O_6$	222.12	99.94%
Tetryl	34268-43	479-45-8	$C_7H_5N_5O_8$	287.15	98.67%
1,3,5-Trinitrobenzene	PR122706-01	99-35-4	$C_6H_3N_3O_6$	213.11	99.96%
2,4,6-Trinitrotoluene (TNT)	PR041911-01	118-96-7	$C_7H_5N_3O_6$	227.13	99.89%

+ Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics) x Chromatographic Purity/100].

Product Analysis



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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)

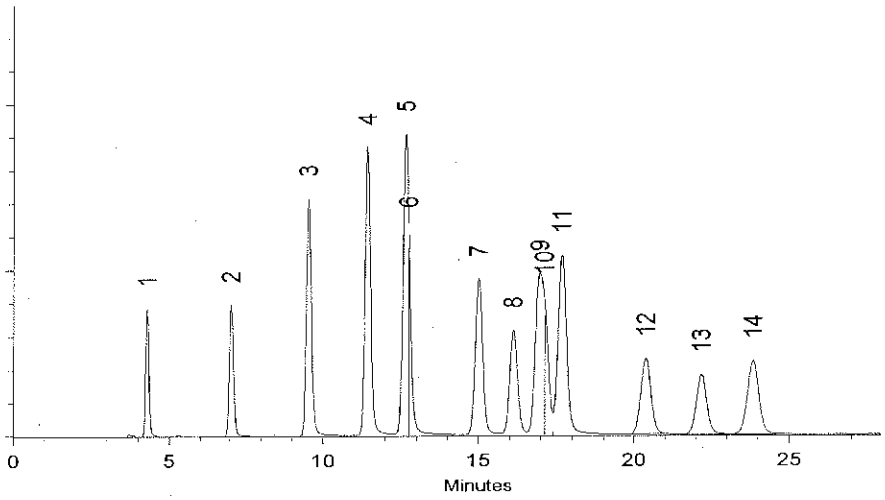
Flow Rate:
1.0 ml/min.

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	

HP NGTA – 00001

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. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 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	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

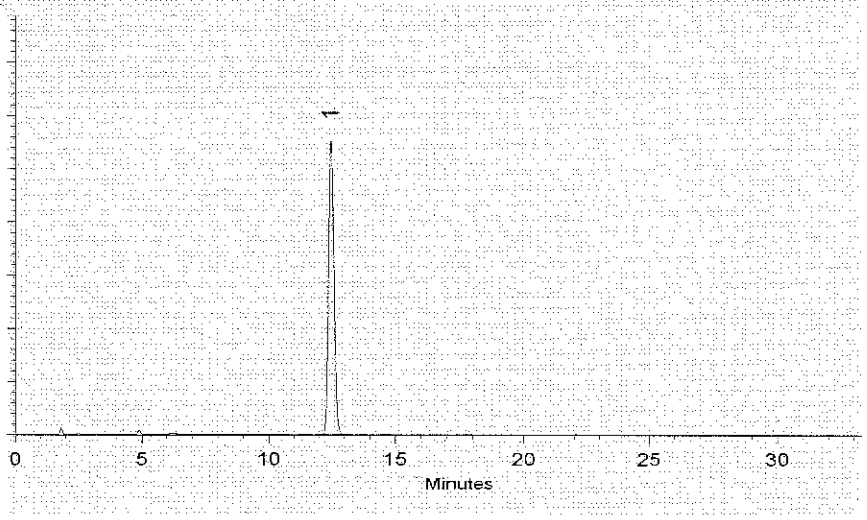
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Recd 11/27/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 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

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. :	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)

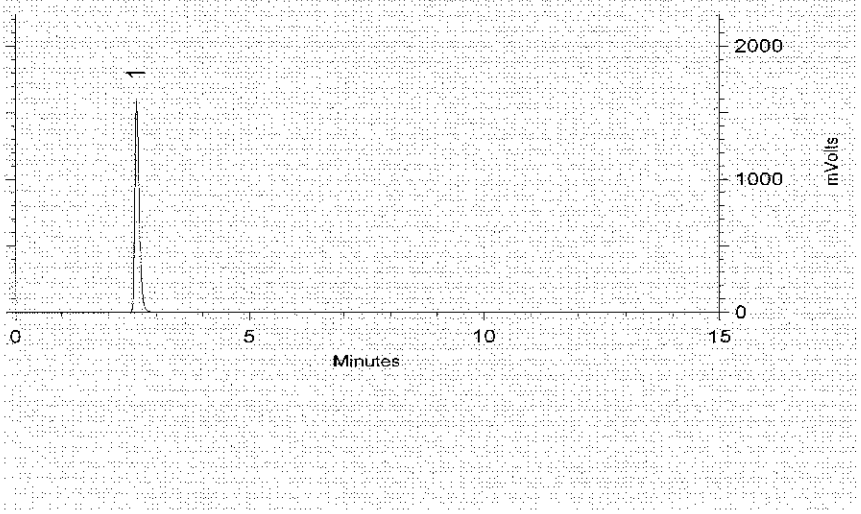
Flow Rate:
1.0 ml/min.

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

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. : 31499 **Lot No.:** A080173

Description : Picric Acid Standard

SV Mix, Picric Acid Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] February 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	Picric Acid	88-89-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

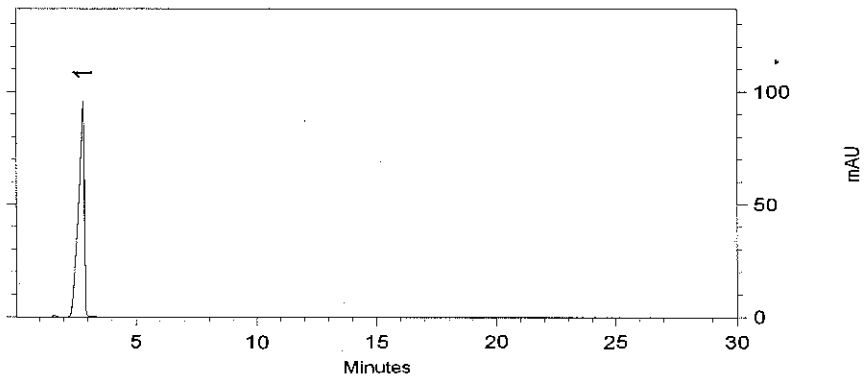
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Recvd: 8/11/11
Scanned: 8/30/11
WA 8/30/11

Rcvd 3/20/12

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Certificate of Analysis

ACCREDITED Reference Material Producer Certificate #3222.01

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)

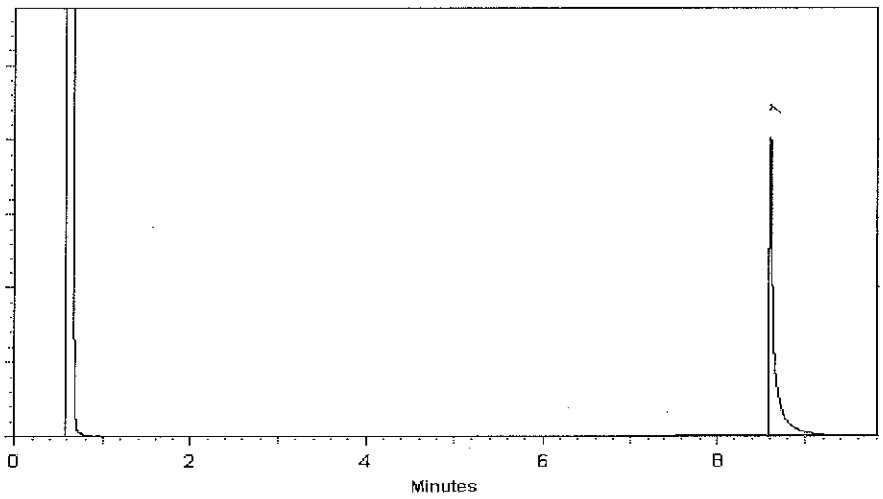
Carrier Gas:
hydrogen-constant flow 11 mL/min

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

RESTEK

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Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A081240

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] April 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	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

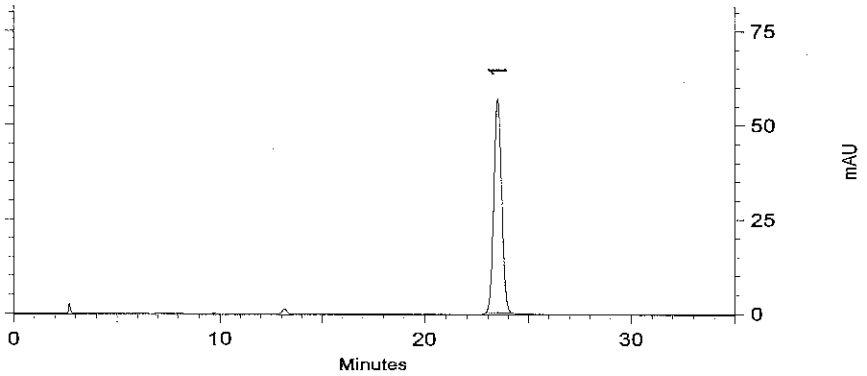
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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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 : [5,1] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : 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)

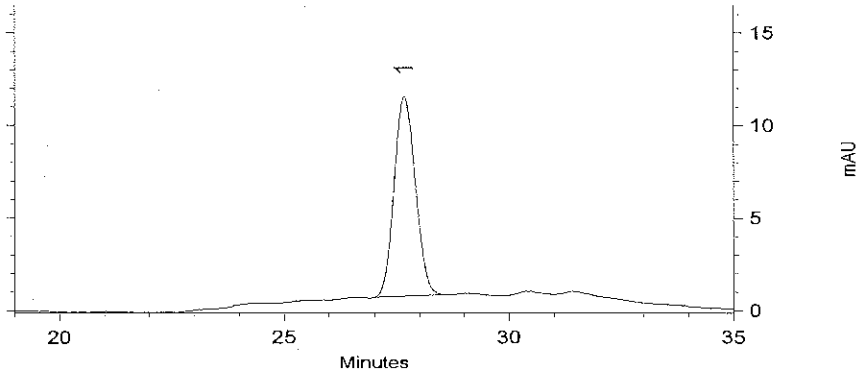
Flow Rate:
1.0 ml/min.

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: 240-22804-1

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	Kansas	NELAP	7	E-10350
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

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22804-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Sacramento	Louisiana	NELAP	6	30612
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.: 240-22804-1

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 Q
	MRL 240-80954/32	85	96	90	86
	MRL 240-81930/5	87	95	89	90
	MRL 240-81930/15	83	91	88	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.: 240-22804-1

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 #
074SB-0010-0001-SO	240-22804-4	61	76	54 Q	35 Q
074SB-0010-0001-SO	240-22804-4	83	102	92	92
	MB 240-80954/7	85	92	89	86
	MB 240-81930/7	82	93	88	89
	LCS 240-80954/6	91	91	89	89
	LCS 240-81930/35	87	94	88	86

	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.: 240-22804-1

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.: 240-22804-1

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 #
079RN-0317-0001-RN	240-22804-11	98	96	87	80
079-0318-0001-TB	240-22804-12	102	96	85	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.: 240-22804-1

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	
2-Hexanone	100	90.6	91	45-145	
4-Methyl-2-pentanone (MIBK)	100	93.2	93	45-145	

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.: 240-22804-1

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 LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 142031.D

Lab ID: LCS 240-81930/35 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acetone	100	120	120	20-160	
Benzene	50.0	53.9	108	75-125	
Bromoform	50.0	47.6	95	55-135	
Bromomethane	50.0	46.5	93	30-160	
Carbon disulfide	50.0	51.8	104	45-160	
Carbon tetrachloride	50.0	56.3	113	65-135	
1,1-Dichloroethane	50.0	56.2	112	75-125	
Chlorobenzene	50.0	52.0	104	75-125	
1,2-Dichloroethane	50.0	53.9	108	70-135	
Chloromethane	50.0	44.9	90	50-130	
1,1-Dichloroethene	50.0	55.8	112	65-135	
cis-1,3-Dichloropropene	50.0	50.5	101	70-125	
Dibromochloromethane	50.0	48.2	96	65-130	
1,2-Dichloropropane	50.0	55.0	110	70-120	
Bromodichloromethane	50.0	47.5	95	70-130	
Ethylbenzene	50.0	55.2	110	75-125	
Methylene Chloride	50.0	53.9	108	55-140	
Styrene	50.0	55.8	112	75-125	
1,1,2,2-Tetrachloroethane	50.0	55.1	110	55-130	
Tetrachloroethene	50.0	55.5	111	65-140	
Toluene	50.0	54.3	109	70-125	
Chloroform	50.0	54.8	110	70-125	
trans-1,3-Dichloropropene	50.0	55.3	111	65-125	
1,1,1-Trichloroethane	50.0	54.4	109	70-135	
Bromochloromethane	50.0	54.4	109	70-125	
1,1,2-Trichloroethane	50.0	54.7	109	60-125	
Trichloroethene	50.0	54.2	108	75-125	
Vinyl chloride	50.0	47.0	94	60-125	
Chloroethane	50.0	49.9	100	40-155	
Xylenes, Total	100	109	109	75-125	

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.: 240-22804-1

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	
2-Hexanone	0.0100	0.00953 J	95	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00862 J	86	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.: 240-22804-1

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	
2-Hexanone	0.0100	0.00935 J	93	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00983 J	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.: 240-22804-1

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.: 240-22804-1

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 III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 142028.D

Lab ID: MRL 240-81930/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acetone	0.0100	0.0187	187	70-130	^
Benzene	0.00500	0.00572	114	70-130	
Bromoform	0.00500	0.00756	151	70-130	^
Bromomethane	0.00500	0.00576	115	70-130	
Carbon disulfide	0.00500	0.00588	118	70-130	
Carbon tetrachloride	0.00500	0.00479	96	70-130	
1,1-Dichloroethane	0.00500	0.00576	115	70-130	
Chlorobenzene	0.00500	0.00564	113	70-130	
1,2-Dichloroethane	0.00500	0.00585	117	70-130	
Chloromethane	0.00500	0.00553	111	70-130	
1,1-Dichloroethene	0.00500	0.00530	106	70-130	
cis-1,3-Dichloropropene	0.00500	0.00637	127	70-130	
Dibromochloromethane	0.00500	0.00641	128	70-130	
1,2-Dichloropropane	0.00500	0.00580	116	70-130	
Bromodichloromethane	0.00500	0.00535	107	70-130	
Ethylbenzene	0.00500	0.00572	114	70-130	
Methylene Chloride	0.00500	0.00633	127	70-130	
Styrene	0.00500	0.00552	110	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00589	118	70-130	
Tetrachloroethene	0.00500	0.00592	118	70-130	
Toluene	0.00500	0.00571	114	70-130	
Chloroform	0.00500	0.00565	113	70-130	
trans-1,3-Dichloropropene	0.00500	0.00626	125	70-130	
1,1,1-Trichloroethane	0.00500	0.00516	103	70-130	
Bromochloromethane	0.00500	0.00563	113	70-130	
1,1,2-Trichloroethane	0.00500	0.00573	115	70-130	
Trichloroethene	0.00500	0.00564	113	70-130	
Vinyl chloride	0.00500	0.00581	116	70-130	
Chloroethane	0.00500	0.00616	123	70-130	
Xylenes, Total	0.0100	0.0117	117	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 142039.D

Lab ID: MRL 240-81930/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acetone	0.0100	0.0151	151	70-130	^
Benzene	0.00500	0.00518	104	70-130	
Bromoform	0.00500	0.00617	123	70-130	
Bromomethane	0.00500	0.00528	106	70-130	
Carbon disulfide	0.00500	0.00527	105	70-130	
Carbon tetrachloride	0.00500	0.00409	82	70-130	
1,1-Dichloroethane	0.00500	0.00512	102	70-130	
Chlorobenzene	0.00500	0.00535	107	70-130	
1,2-Dichloroethane	0.00500	0.00533	107	70-130	
Chloromethane	0.00500	0.00498	100	70-130	
1,1-Dichloroethene	0.00500	0.00509	102	70-130	
cis-1,3-Dichloropropene	0.00500	0.00569	114	70-130	
Dibromochloromethane	0.00500	0.00575	115	70-130	
1,2-Dichloropropane	0.00500	0.00529	106	70-130	
Bromodichloromethane	0.00500	0.00496	99	70-130	
Ethylbenzene	0.00500	0.00519	104	70-130	
Methylene Chloride	0.00500	0.00565	113	70-130	
Styrene	0.00500	0.00470	94	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00484	97	70-130	
Tetrachloroethene	0.00500	0.00561	112	70-130	
Toluene	0.00500	0.00546	109	70-130	
Chloroform	0.00500	0.00512	102	70-130	
trans-1,3-Dichloropropene	0.00500	0.00567	113	70-130	
1,1,1-Trichloroethane	0.00500	0.00469	94	70-130	
Bromochloromethane	0.00500	0.00495	99	70-130	
1,1,2-Trichloroethane	0.00500	0.00511	102	70-130	
Trichloroethene	0.00500	0.00520	104	70-130	
Vinyl chloride	0.00500	0.00499	100	70-130	
Chloroethane	0.00500	0.00535	107	70-130	
Xylenes, Total	0.0100	0.0102	102	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.: 240-22804-1

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
074SB-0010-0001-SO	240-22804-4	141849.D	04/08/2013 19:11

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 142030.D Lab Sample ID: MB 240-81930/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 04/15/2013 13:05

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 240-81930/35	142031.D	04/15/2013 13:26
074SB-0010-0001-SO	240-22804-4	142037.D	04/15/2013 15:36

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
079RN-0317-0001-RN	240-22804-11	UXR3294.D	04/08/2013 17:09
079-0318-0001-TB	240-22804-12	UXR3295.D	04/08/2013 17:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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
079RN-0317-0001-RN	240-22804-11	UXR3294.D	04/08/2013	17:09
079-0318-0001-TB	240-22804-12	UXR3295.D	04/08/2013	17:31
	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.: 240-22804-1

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.: 240-22804-1

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
074SB-0010-0001-SO	240-22804-4	141849.D	04/08/2013	19:11
	MRL 240-80954/32	141856.D	04/08/2013	21:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: BFB14397.D BFB Injection Date: 04/14/2013

Instrument ID: A3UX14 BFB Injection Time: 09:08

Analysis Batch No.: 81838

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	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.2	(0.3)1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	5.8	(7.1)1
176	95.0 - 101.0 % of mass 174	80.8	(98.5)1
177	5.0 - 9.0 % of mass 176	5.2	(6.4)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 240-81838/3	141993.D	04/14/2013	09:51
	IC 240-81838/4	141994.D	04/14/2013	10:12
	IC 240-81838/5	141995.D	04/14/2013	10:34
	ICIS 240-81838/6	141996.D	04/14/2013	10:55
	IC 240-81838/7	141997.D	04/14/2013	11:17
	IC 240-81838/8	141998.D	04/14/2013	11:38
	IC 240-81838/9	141999.D	04/14/2013	12:00
	IC 240-81838/10	142000.D	04/14/2013	12:21
	IC 240-81838/11	142001.D	04/14/2013	12:43
	ICV 240-81838/13	142003.D	04/14/2013	13:26

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: BFB14398.D BFB Injection Date: 04/15/2013

Instrument ID: A3UX14 BFB Injection Time: 10:53

Analysis Batch No.: 81930

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	47.5	
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	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	82.9	
175	5.0 - 9.0 % of mass 174	5.9	(7.1)1
176	95.0 - 101.0 % of mass 174	78.8	(95.0)1
177	5.0 - 9.0 % of mass 176	5.1	(6.4)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 240-81930/3	142026.D	04/15/2013	11:39
	CCV 240-81930/4	142027.D	04/15/2013	12:00
	MRL 240-81930/5	142028.D	04/15/2013	12:22
	MB 240-81930/7	142030.D	04/15/2013	13:05
	LCS 240-81930/35	142031.D	04/15/2013	13:26
074SB-0010-0001-SO	240-22804-4	142037.D	04/15/2013	15:36
	MRL 240-81930/15	142039.D	04/15/2013	16:19

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
240-22804-11	079RN-0317-0001-RN	1694083	5.20	1148821	7.88	517938	10.12
240-22804-12	079-0318-0001-TB	1679144	5.20	1154000	7.87	522436	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.: 240-22804-1

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
240-22804-4	074SB-0010-0001-SO	1163055	6.93	778706	9.64	349012	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 VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: ICIS 240-81838/6 Date Analyzed: 04/14/2013 10:55

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 141996.D Heated Purge: (Y/N) Y

Calibration ID: 14504

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1169660	6.93	735145	9.64	356568	11.61
UPPER LIMIT		2339320	7.43	1470290	10.14	713136	12.11
LOWER LIMIT		584830	6.43	367573	9.14	178284	11.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-81838/13		1172174	6.93	747221	9.64	360306	11.61
CCV 240-81930/3		1213291	6.93	810790	9.64	392227	11.61
CCV 240-81930/4		1172484	6.93	733242	9.64	355131	11.61
MRL 240-81930/5		1120044	6.93	711185	9.64	354883	11.61
MB 240-81930/7		1151318	6.93	721132	9.64	355086	11.61
LCS 240-81930/35		1167769	6.93	754911	9.64	371229	11.61
240-22804-4	074SB-0010-0001-SO	1117428	6.93	682762	9.64	321696	11.61
MRL 240-81930/15		1181740	6.93	731959	9.64	364797	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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: 141849.D

Analysis Method: 8260B/DoD | Date Collected: 04/03/2013 11:40

Sample wt/vol: 6.371(g) | Date Analyzed: 04/08/2013 19:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.2 | 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)	1.9	U	19	1.9	1.3
591-78-6	2-Hexanone	0.93	U	19	0.93	0.58
108-10-1	4-Methyl-2-pentanone (MIBK)	0.93	U	19	0.93	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	35	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	61		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		61-130
2037-26-5	Toluene-d8 (Surr)	54	Q	85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141849.D
Lims ID: 240-22804-B-4-A Client ID: 074SB-0010-0001-SO
Inject. Date: 08-Apr-2013 19:11:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22804-b-4-a
Misc. Info.: 240-0018642-025 =240-0018642-025
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 80954 Lims Sample ID: 25
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: XAWRK016

First Level Reviewer: macenczaks Date: 09-Apr-2013 13:56:37

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	1163055	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	778706	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	349012	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	63	195144	30.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	264882	38.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	697579	27.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	159486	17.7	
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	90	17681	5.38	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	89	11602	1.85	
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					9
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	70	4390	0.1673	
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					
84	Ethylbenzene	106		9.760					
10	m-Xylene & p-Xylene	106	9.855	9.855	0.0	71	1533	0.1415	
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				0		0.1415	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

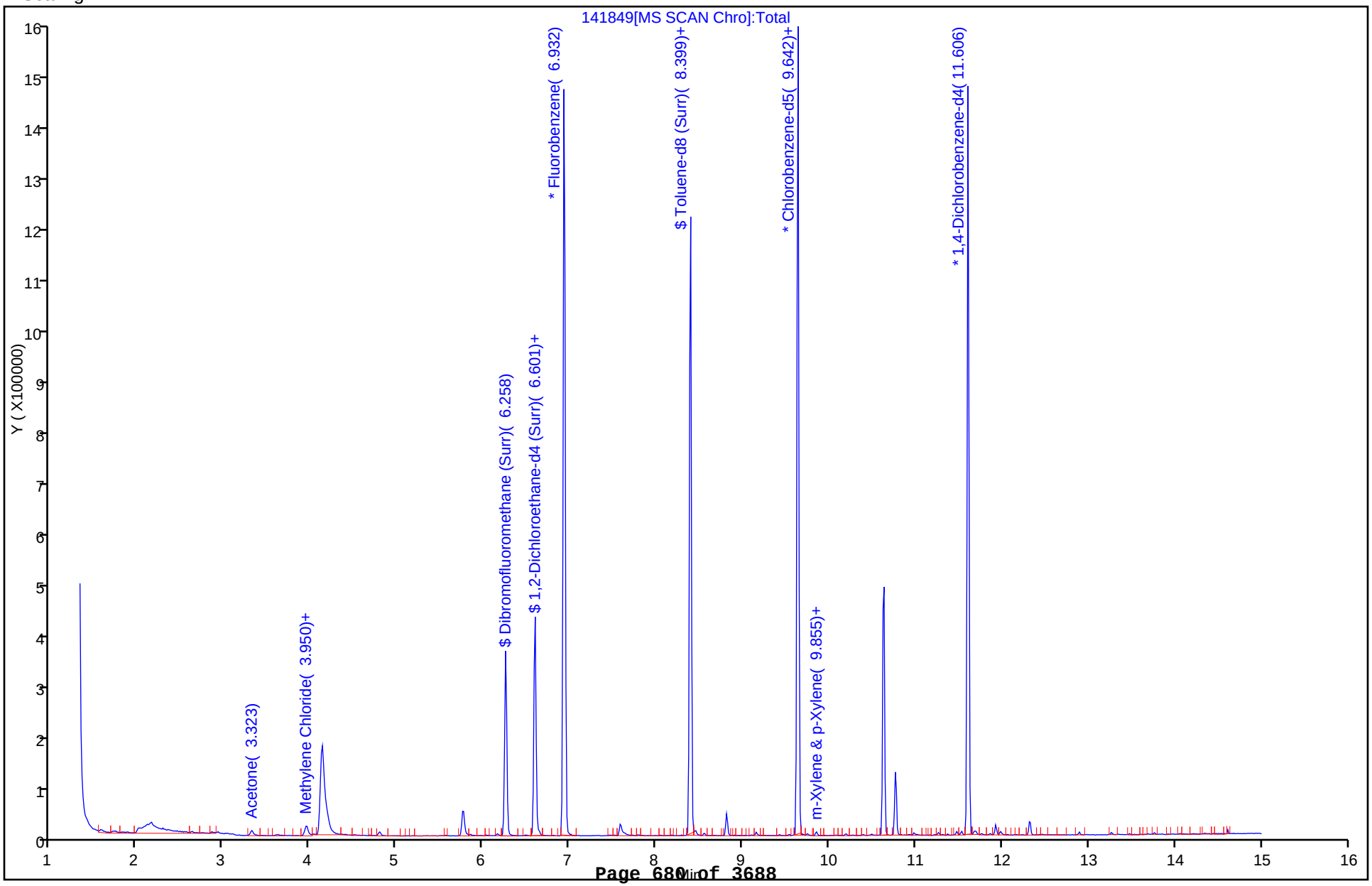
Report Date: 22-Apr-2013 15:22:14 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141849.D

Injection Date:	08-Apr-2013 19:11:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	25
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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: 142037.D

Analysis Method: 8260B/DoD | Date Collected: 04/03/2013 11:40

Sample wt/vol: 6.491(g) | Date Analyzed: 04/15/2013 15:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.2 | Level: (low/med) Low

Analysis Batch No.: 81930 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	5.7	U	18	5.7	5.7
71-43-2	Benzene	0.45	U	4.5	0.45	0.21
74-97-5	Bromochloromethane	0.91	U	4.5	0.91	0.64
75-27-4	Bromodichloromethane	0.45	U	4.5	0.45	0.25
75-25-2	Bromoform	0.45	U	4.5	0.45	0.30
74-83-9	Bromomethane	0.91	U	4.5	0.91	0.49
75-15-0	Carbon disulfide	0.45	U	4.5	0.45	0.40
56-23-5	Carbon tetrachloride	0.45	U	4.5	0.45	0.34
108-90-7	Chlorobenzene	0.45	U	4.5	0.45	0.30
75-00-3	Chloroethane	0.91	U	4.5	0.91	0.78
67-66-3	Chloroform	0.45	U	4.5	0.45	0.26
74-87-3	Chloromethane	0.45	U	4.5	0.45	0.37
10061-01-5	cis-1,3-Dichloropropene	0.45	U	4.5	0.45	0.31
124-48-1	Dibromochloromethane	0.91	U	4.5	0.91	0.50
106-93-4	1,2-Dibromoethane	0.91	U	4.5	0.91	0.45
75-34-3	1,1-Dichloroethane	0.45	U	4.5	0.45	0.33
107-06-2	1,2-Dichloroethane	0.45	U	4.5	0.45	0.31
75-35-4	1,1-Dichloroethene	0.91	U	4.5	0.91	0.47
540-59-0	1,2-Dichloroethene, Total	0.91	U	9.1	0.91	0.70
78-87-5	1,2-Dichloropropane	0.91	U	4.5	0.91	0.63
100-41-4	Ethylbenzene	0.45	U	4.5	0.45	0.24
75-09-2	Methylene Chloride	0.91	U	4.5	0.91	0.61
100-42-5	Styrene	0.45	U	4.5	0.45	0.14
79-34-5	1,1,2,2-Tetrachloroethane	0.45	U	4.5	0.45	0.31
127-18-4	Tetrachloroethene	0.91	U	4.5	0.91	0.47
108-88-3	Toluene	0.45	U	4.5	0.45	0.25
10061-02-6	trans-1,3-Dichloropropene	0.91	U	4.5	0.91	0.49
71-55-6	1,1,1-Trichloroethane	0.91	U	4.5	0.91	0.51
79-00-5	1,1,2-Trichloroethane	0.45	U	4.5	0.45	0.35
79-01-6	Trichloroethene	0.45	U	4.5	0.45	0.38
75-01-4	Vinyl chloride	0.45	U	4.5	0.45	0.35
1330-20-7	Xylenes, Total	1.4	U	9.1	1.4	0.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO Lab Sample ID: 240-22804-4

Matrix: Solid Lab File ID: 142037.D

Analysis Method: 8260B/DoD Date Collected: 04/03/2013 11:40

Sample wt/vol: 6.491(g) Date Analyzed: 04/15/2013 15:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.2 Level: (low/med) Low

Analysis Batch No.: 81930 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130
2037-26-5	Toluene-d8 (Surr)	92		85-115

Report Date: 16-Apr-2013 15:26:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142037.D
Lims ID: 240-22804-C-4-A Client ID: 074SB-0010-0001-SO
Inject. Date: 15-Apr-2013 15:36:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22804-C-4-A
Misc. Info.: 240-0018872-013 =240-0018872-013
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 81930 Lims Sample ID: 13
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 16-Apr-2013 09:12:25

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	1117428	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	682762	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	97	321696	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	67	243384	41.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	315000	50.8	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	926524	45.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	295697	46.2	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.223					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.311	3.311	0.0	94	13151	0.6778	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84		3.950					
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.412					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43	5.761	5.749	0.012	20	3360	1.53	
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					9
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	70	3753	0.1587	
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	608	0.0762	7
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	52	1693	0.1748	
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		0.1748	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

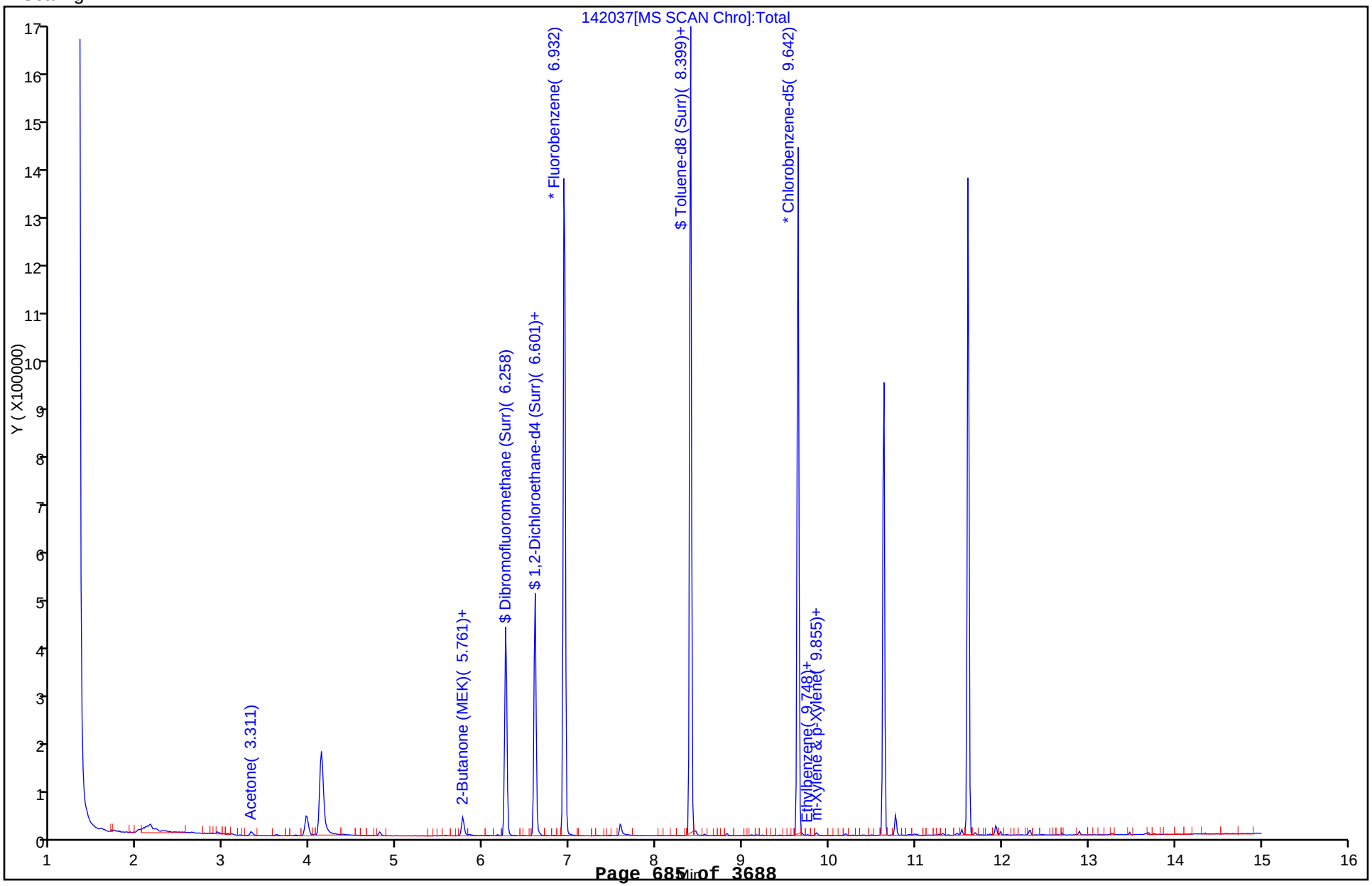
Report Date: 16-Apr-2013 15:26:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142037.D

Injection Date:	15-Apr-2013 15:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	13
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.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: UXR3294.D

Analysis Method: 8260B/DoD | Date Collected: 04/03/2013 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 17:09

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	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
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	0.50	U	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	0.34	J	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.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN Lab Sample ID: 240-22804-11

Matrix: Water Lab File ID: UXR3294.D

Analysis Method: 8260B/DoD Date Collected: 04/03/2013 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:09

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)	87		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-120
460-00-4	4-Bromofluorobenzene (Surr)	80		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3294.D
Lims ID: 240-22804-C-11 Client ID: 079RN-0317-0001-RN
Inject. Date: 08-Apr-2013 17:09:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018651-016
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 81013 Lims Sample ID: 16
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	1694083	10.0	
* 2 Chlorobenzene-d5	117	7.875	7.874	0.001	88	1148821	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.123	10.122	0.001	95	517938	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.632	4.629	0.003	59	383963	9.83	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.916	4.913	0.003	0	490888	9.58	
$ 7 Toluene-d8 (Surr)	98	6.561	6.570	-0.009	94	1387650	8.68	
$ 8 4-Bromofluorobenzene (Surr)	95	8.987	8.984	0.003	89	481403	7.98	
13 Chloromethane	50		1.695					9
14 Vinyl chloride	62		1.789					
16 Bromomethane	94		2.085					
17 Chloroethane	64		2.168					9
23 1,1-Dichloroethene	96		2.807					
24 Acetone	43	2.822	2.819	0.003	77	8116	0.6780	
27 Carbon disulfide	76		3.008					9
31 Methylene Chloride	84		3.197					
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					9
48 Chlorobromomethane	128		4.440					
50 Chloroform	83	4.490	4.499	-0.009	71	26599	0.3368	
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					
72 4-Methyl-2-pentanone (MIBK)	43		6.440					
73 Toluene	91		6.629					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
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					
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

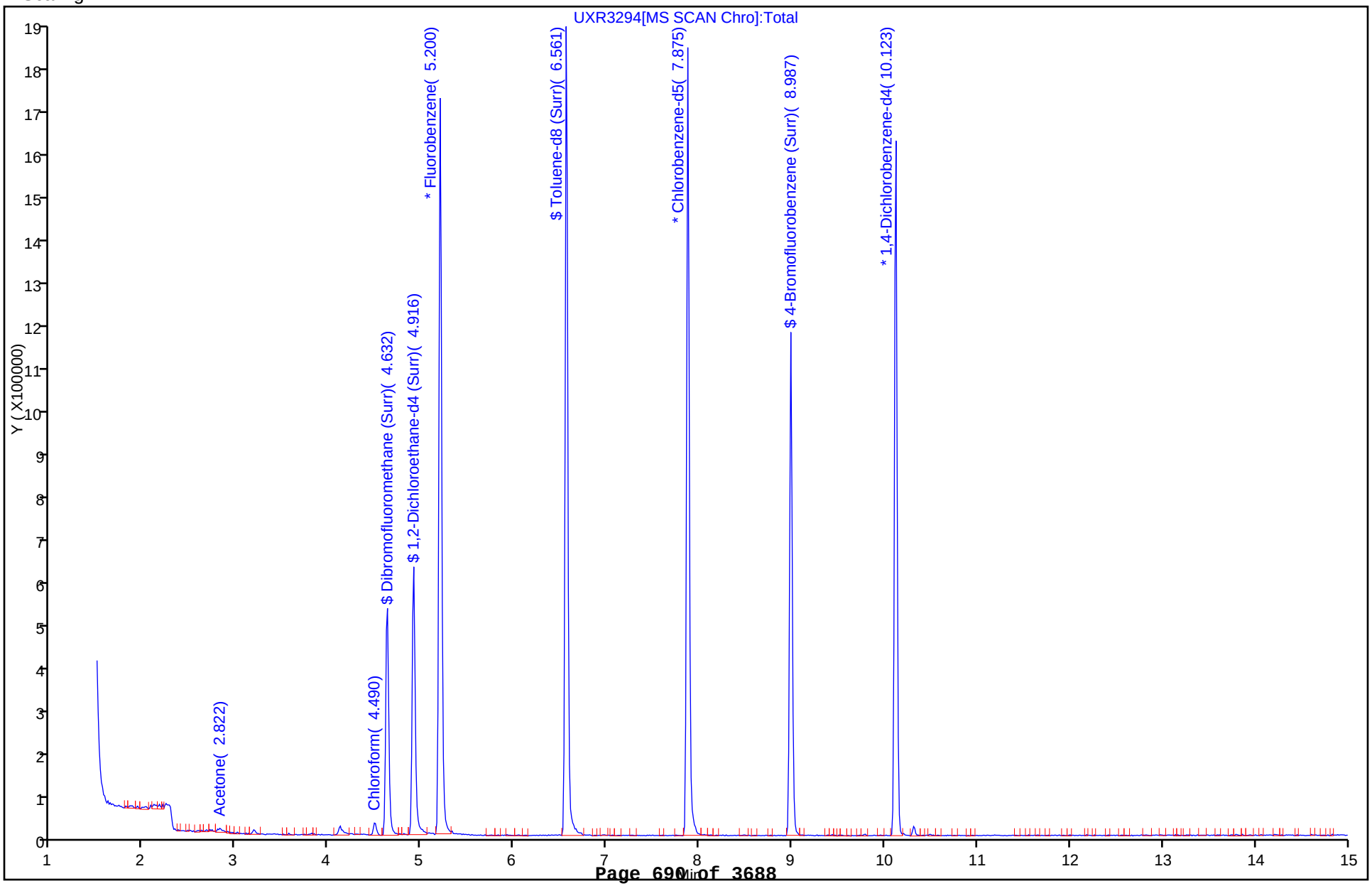
Report Date: 09-Apr-2013 08:43:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3294.D

Injection Date:	08-Apr-2013 17:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	16
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



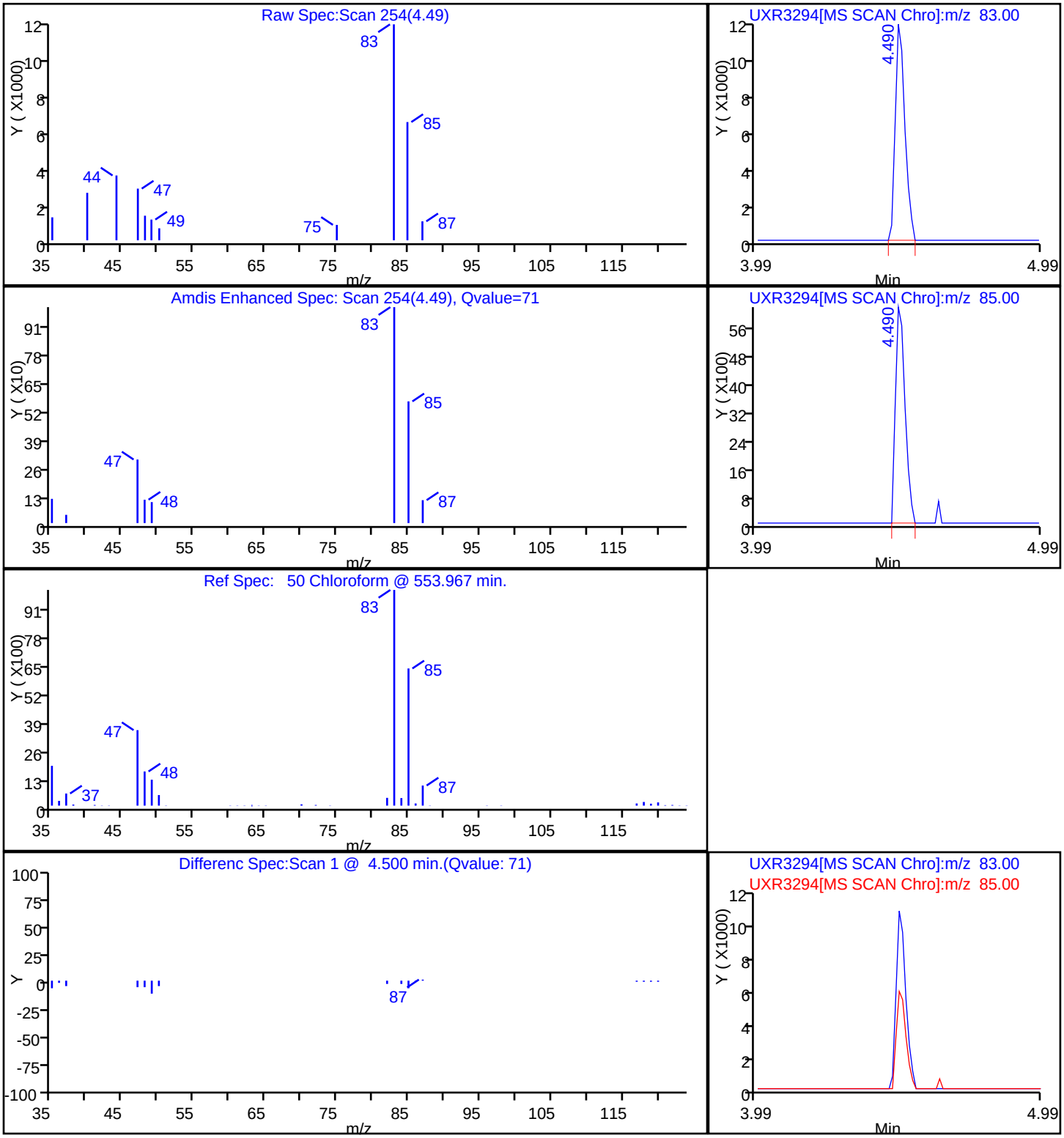
Report Date: 09-Apr-2013 08:43:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3294.D

Injection Date:	08-Apr-2013 17:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	16
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079-0318-0001-TB | Lab Sample ID: 240-22804-12

Matrix: Water | Lab File ID: UXR3295.D

Analysis Method: 8260B/DoD | Date Collected: 04/03/2013 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 17:31

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	5.1	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	1.1		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.: 240-22804-1

SDG No.:

Client Sample ID: 079-0318-0001-TB Lab Sample ID: 240-22804-12

Matrix: Water Lab File ID: UXR3295.D

Analysis Method: 8260B/DoD Date Collected: 04/03/2013 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:31

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)	85		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-120
460-00-4	4-Bromofluorobenzene (Surr)	80		75-120
1868-53-7	Dibromofluoromethane (Surr)	102		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3295.D
Lims ID: 240-22804-A-12 Client ID: 079-0318-0001-TB
Inject. Date: 08-Apr-2013 17:31:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018651-017
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 16
Lims Batch ID: 81013 Lims Sample ID: 17
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 08:34:12

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	1679144	10.0	
* 2 Chlorobenzene-d5	117	7.871	7.874	-0.003	88	1154000	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	96	522436	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.629	0.0	58	396231	10.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.913	0.0	0	486311	9.57	
$ 7 Toluene-d8 (Surr)	98	6.570	6.570	0.0	93	1361681	8.47	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.984	0.0	88	485330	8.01	
13 Chloromethane	50		1.695					
14 Vinyl chloride	62		1.789					
16 Bromomethane	94		2.085					
17 Chloroethane	64		2.168					9
23 1,1-Dichloroethene	96		2.807					
24 Acetone	43	2.831	2.819	0.012	85	60427	5.09	
27 Carbon disulfide	76		3.008					
31 Methylene Chloride	84	3.197	3.197	0.0	90	89218	1.11	
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		6.440					9
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

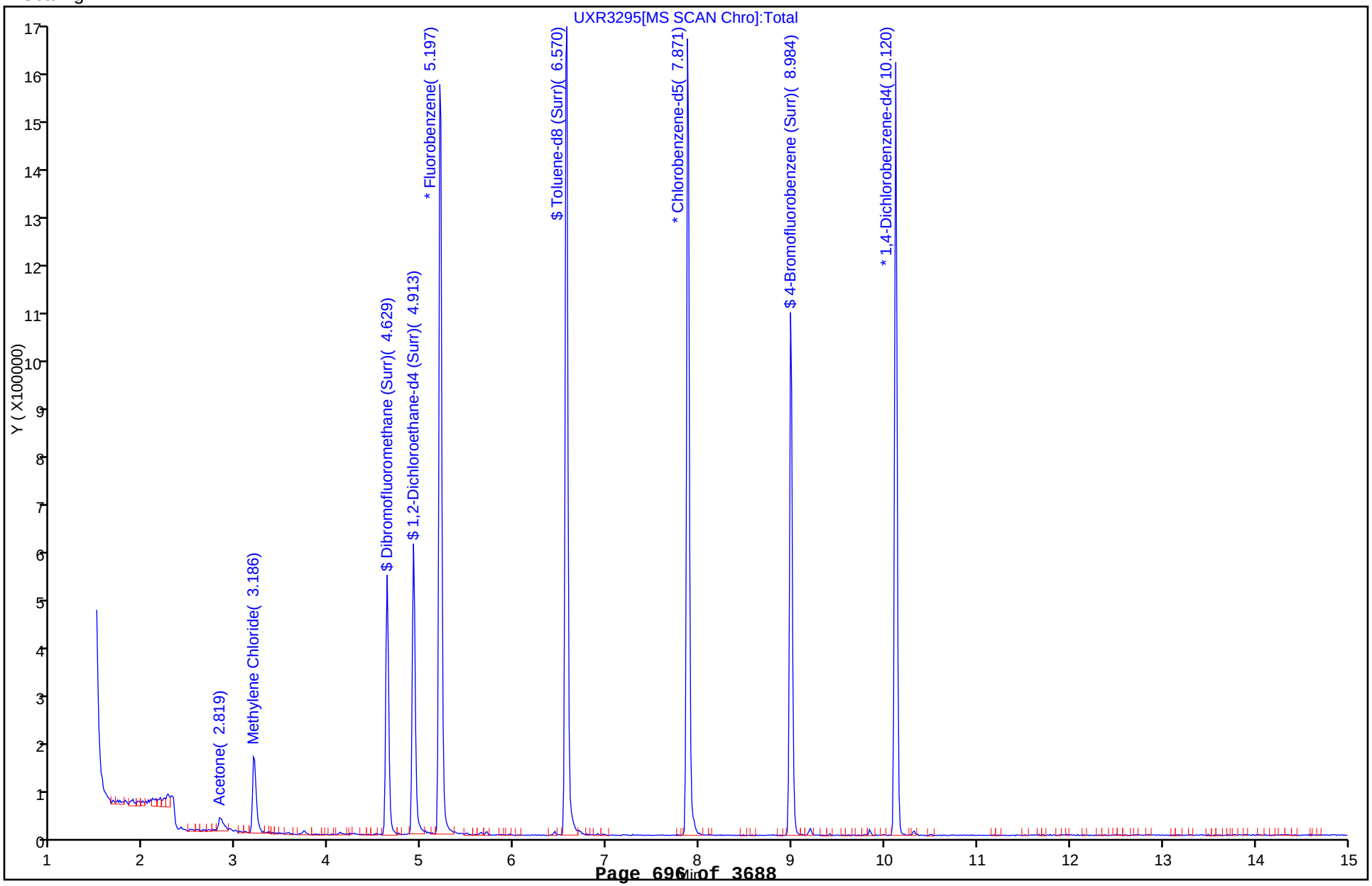
Report Date: 09-Apr-2013 08:43:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3295.D

Injection Date:	08-Apr-2013 17:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079-0318-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	17
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



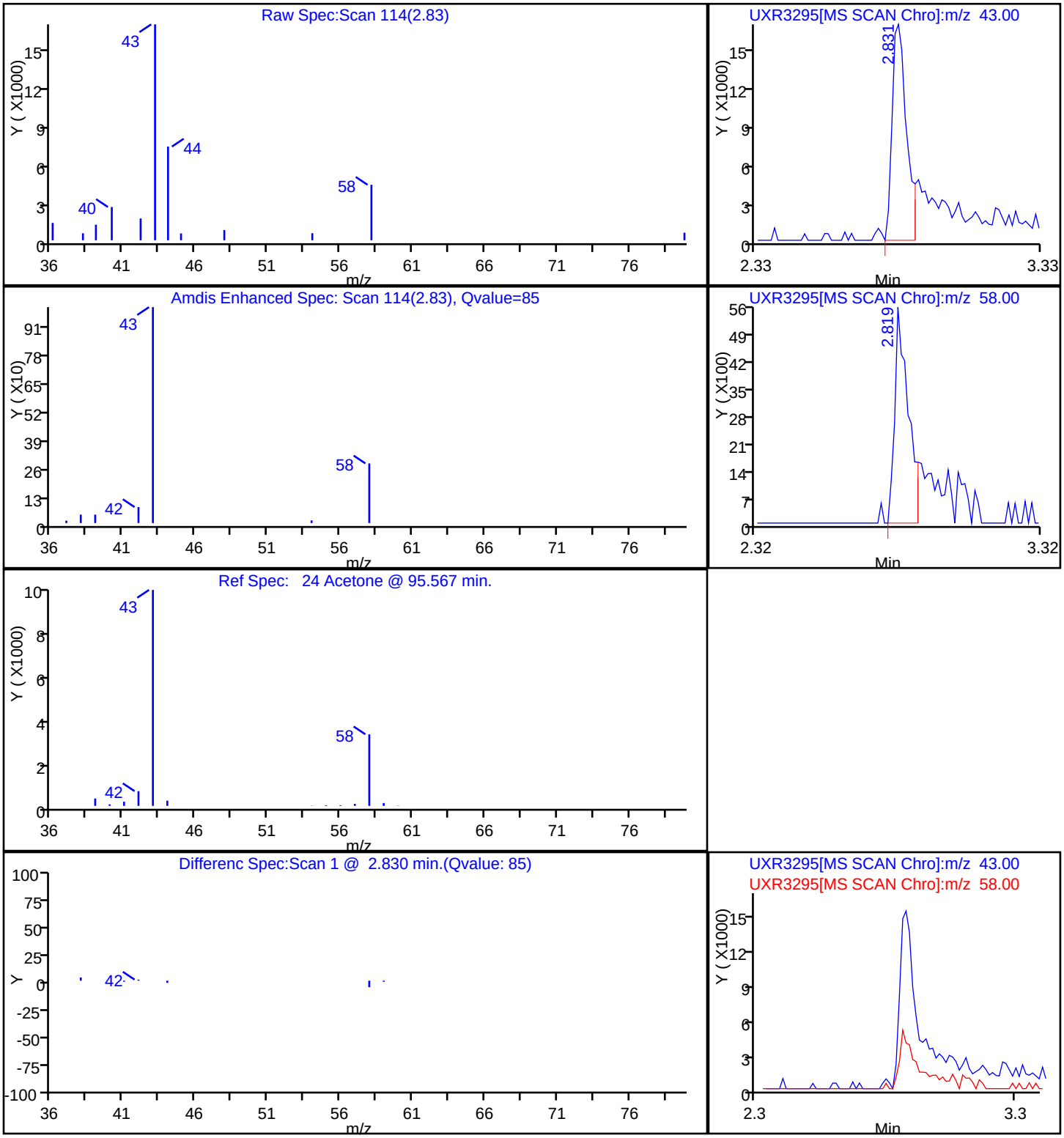
Report Date: 09-Apr-2013 08:43:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3295.D

Injection Date:	08-Apr-2013 17:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079-0318-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	17
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

24 Acetone



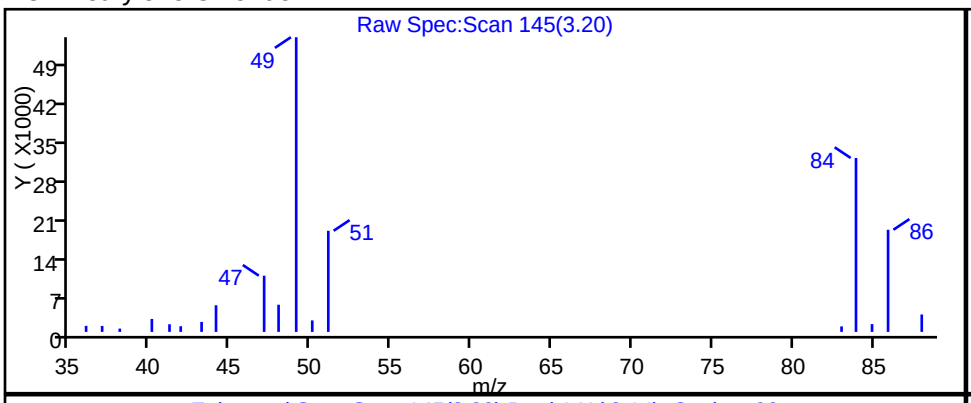
Report Date: 09-Apr-2013 08:43:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

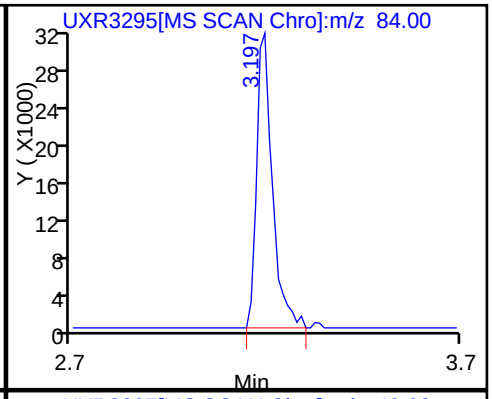
TestAmerica Canton

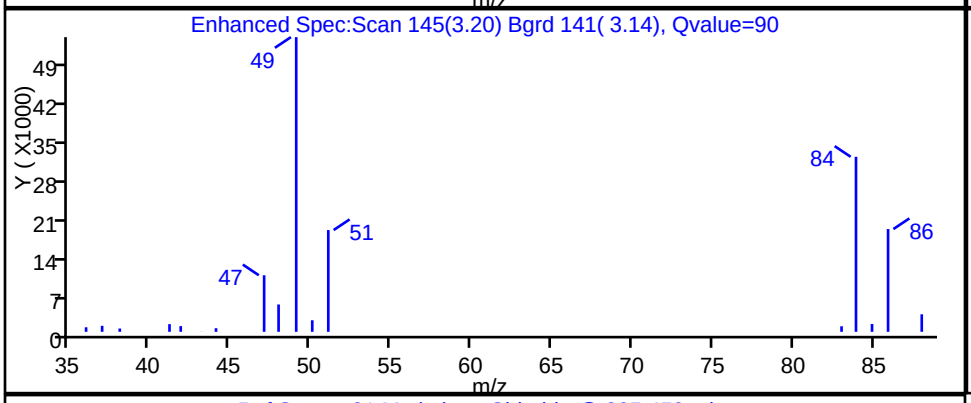
Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3295.D

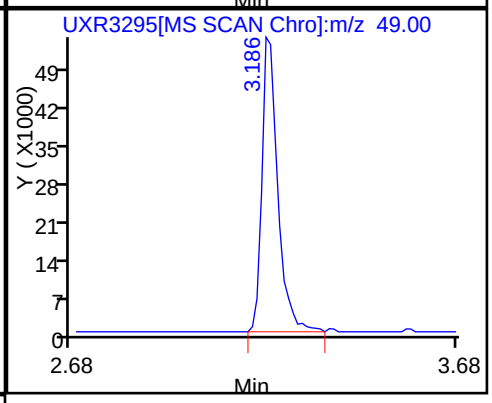
Injection Date:	08-Apr-2013 17:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079-0318-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	17
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

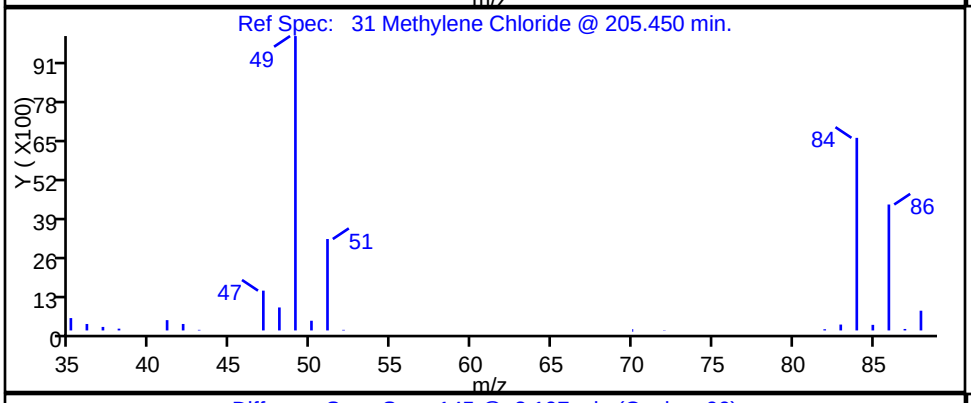
31 Methylene Chloride

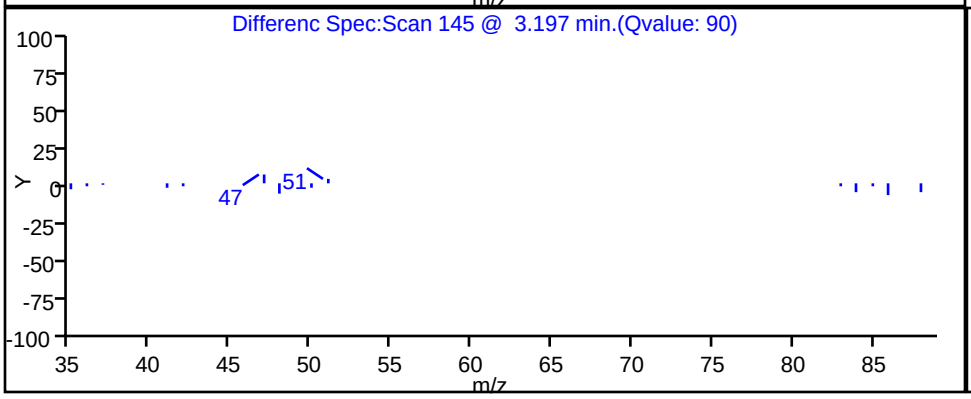


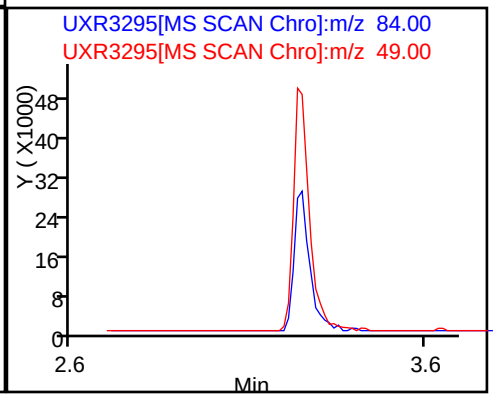












FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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	

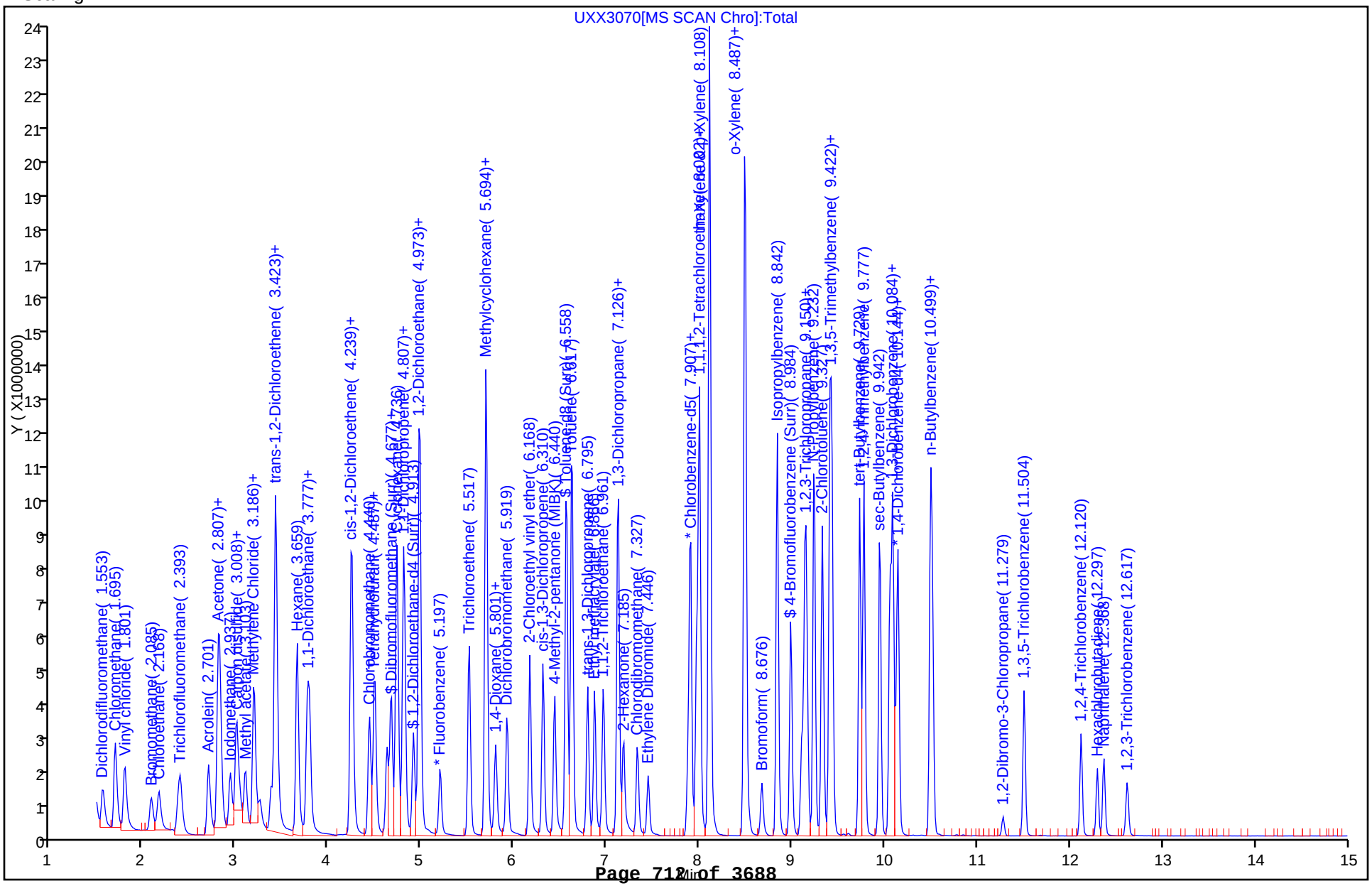
Report Date: 03-Apr-2013 11:29:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

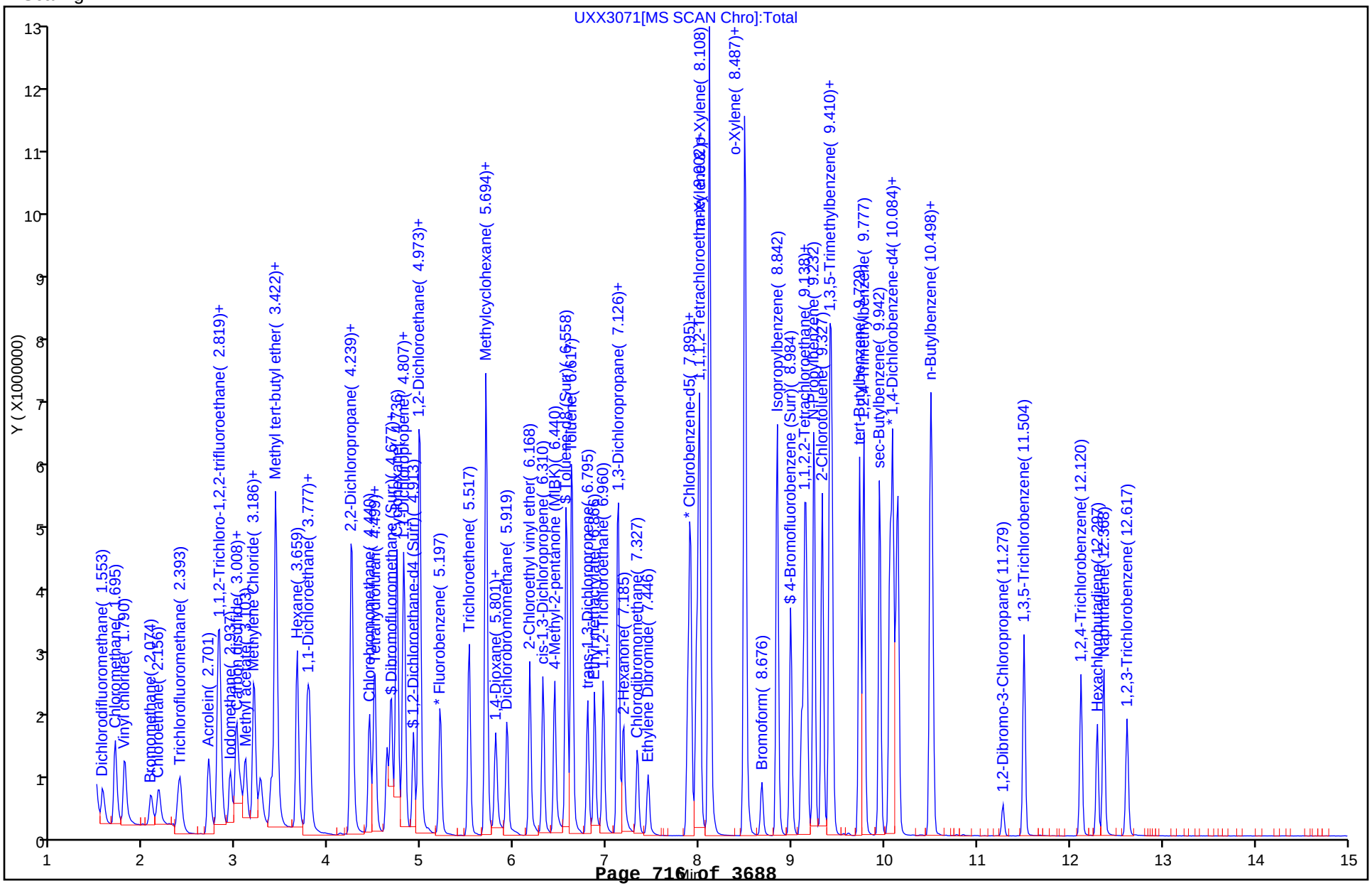
Report Date: 03-Apr-2013 11:29:05 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

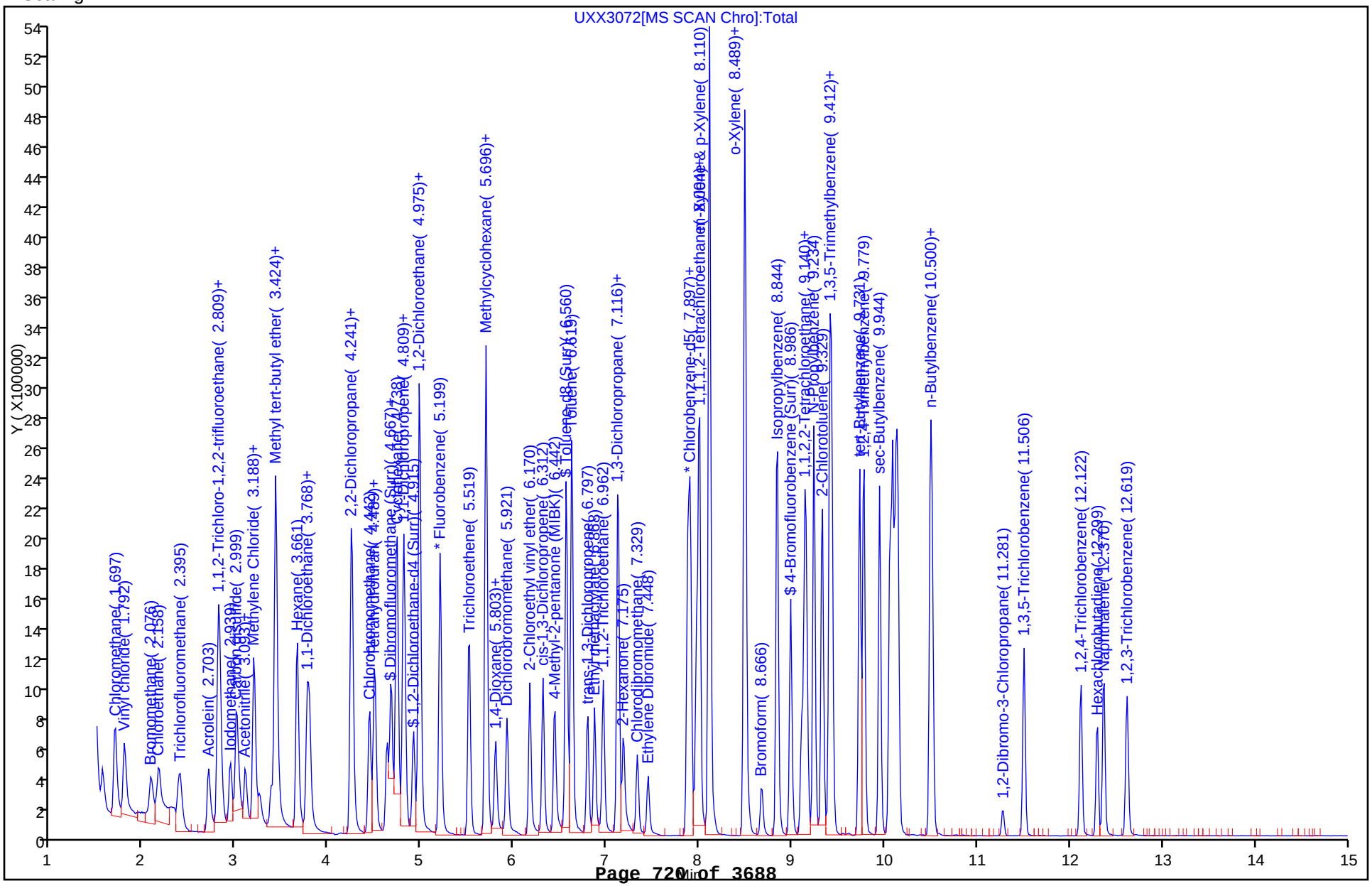
Report Date: 03-Apr-2013 11:29:06 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

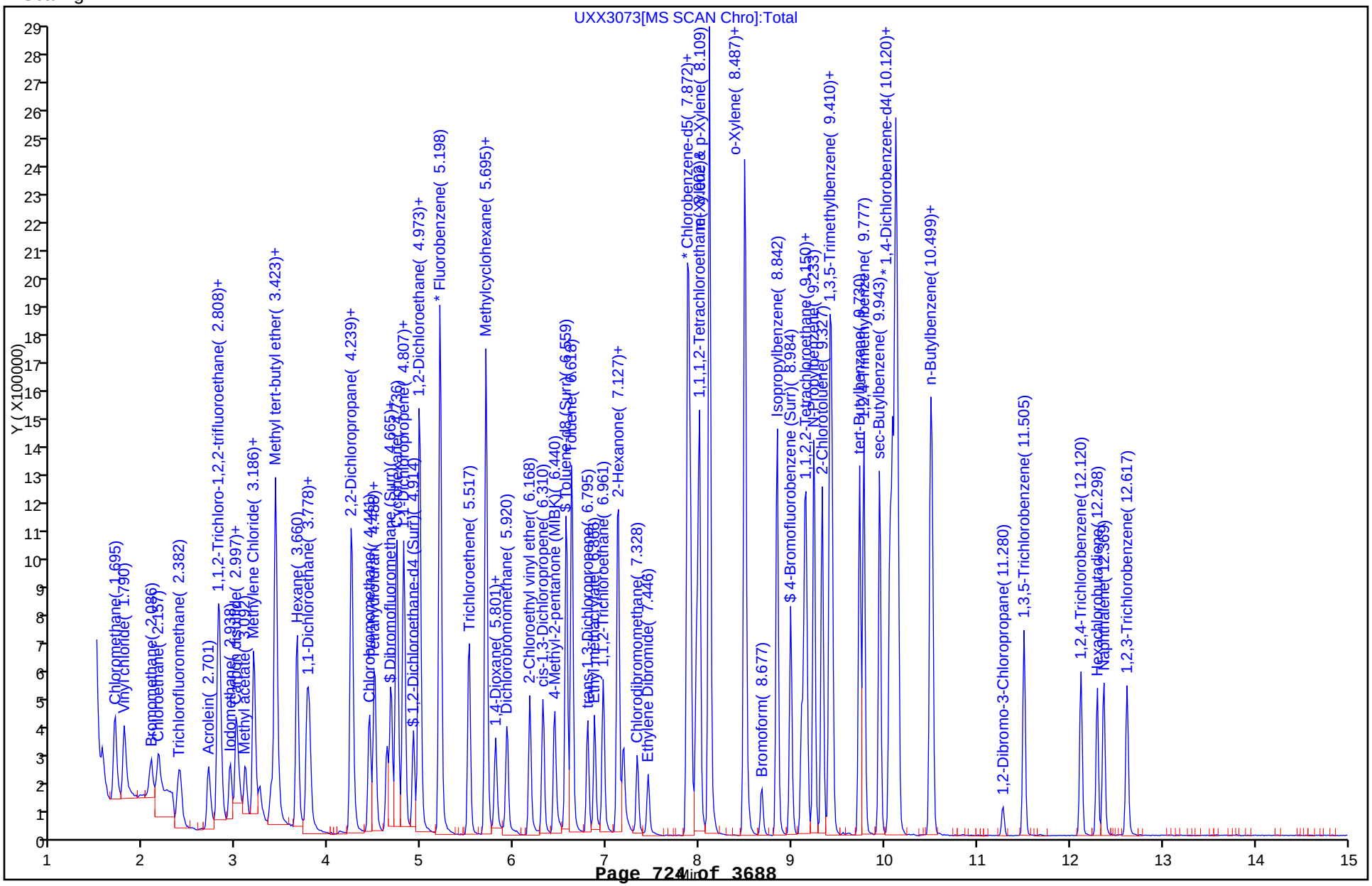
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

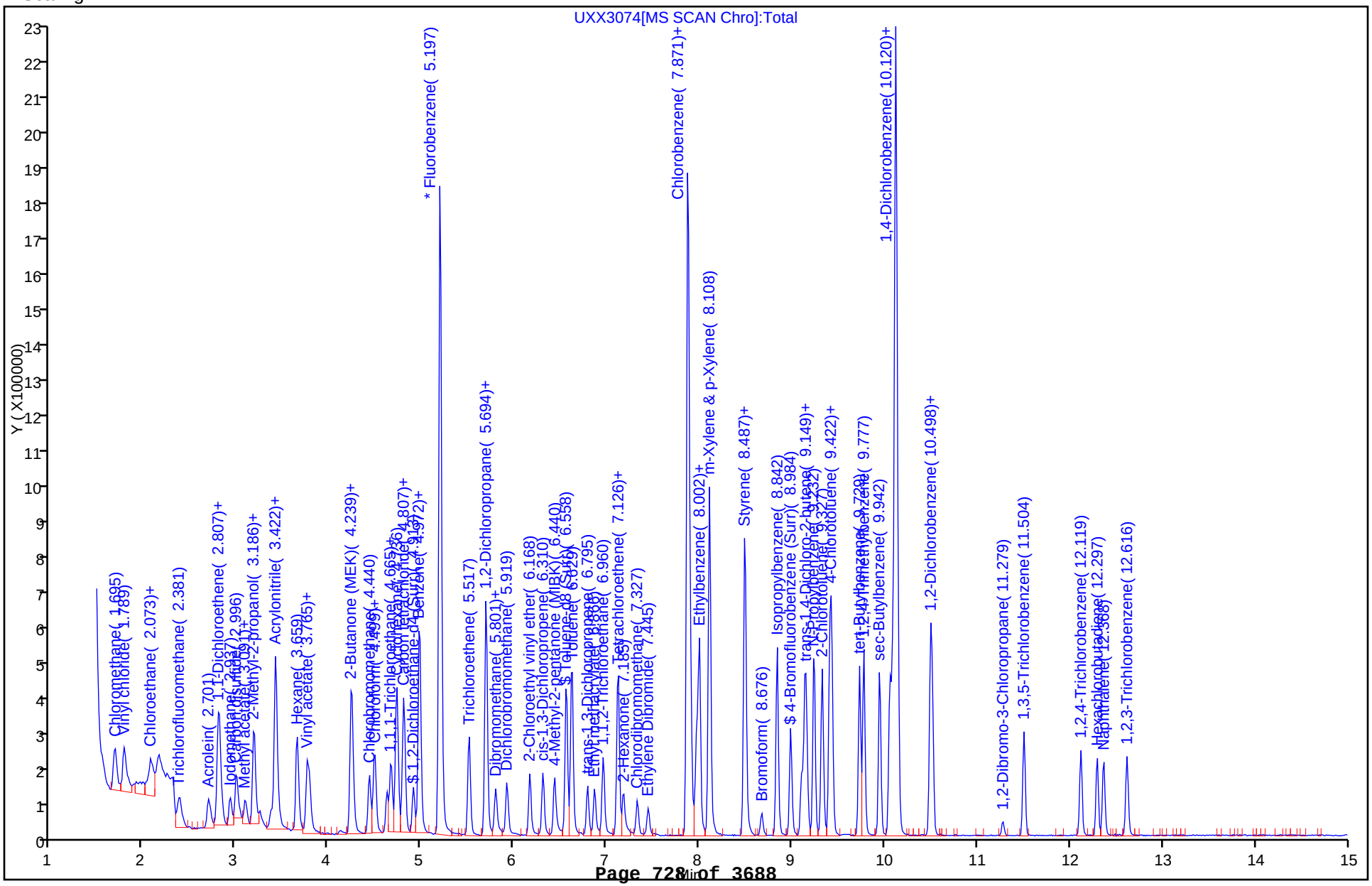
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

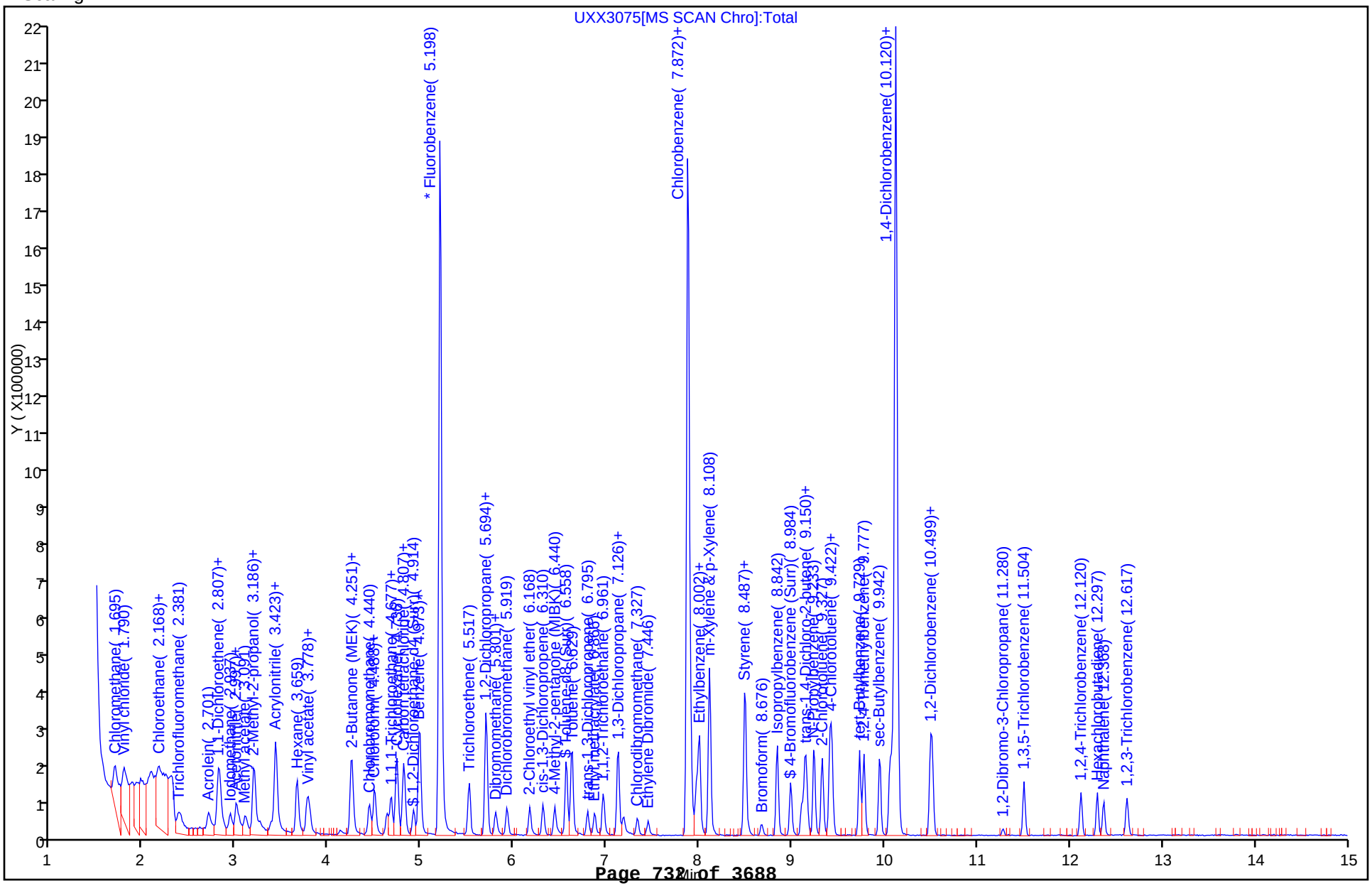
Report Date: 03-Apr-2013 11:29:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22804-1 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.: 240-22804-1 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			
Chlorobromomethane	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.: 240-22804-1 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			
Dichlorobromomethane	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.: 240-22804-1 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			
Chlorodibromomethane	+++++ 0.2720	+++++ 0.2932	0.1742 0.3182	0.1959 0.3198	0.2299	Lin1	-1.073	0.3172							0.9980		0.9950
Ethylene Dibromide	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.: 240-22804-1 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.: 240-22804-1 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

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SDG No.:

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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
Chlorobromomethane	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

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			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
Dichlorobromomethane	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
Chlorodibromomethane	CBZ	Lin1	+++++ 230536	+++++ 506273	14348 1082498	34113 1362354	76731	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethylene Dibromide	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

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			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

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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	

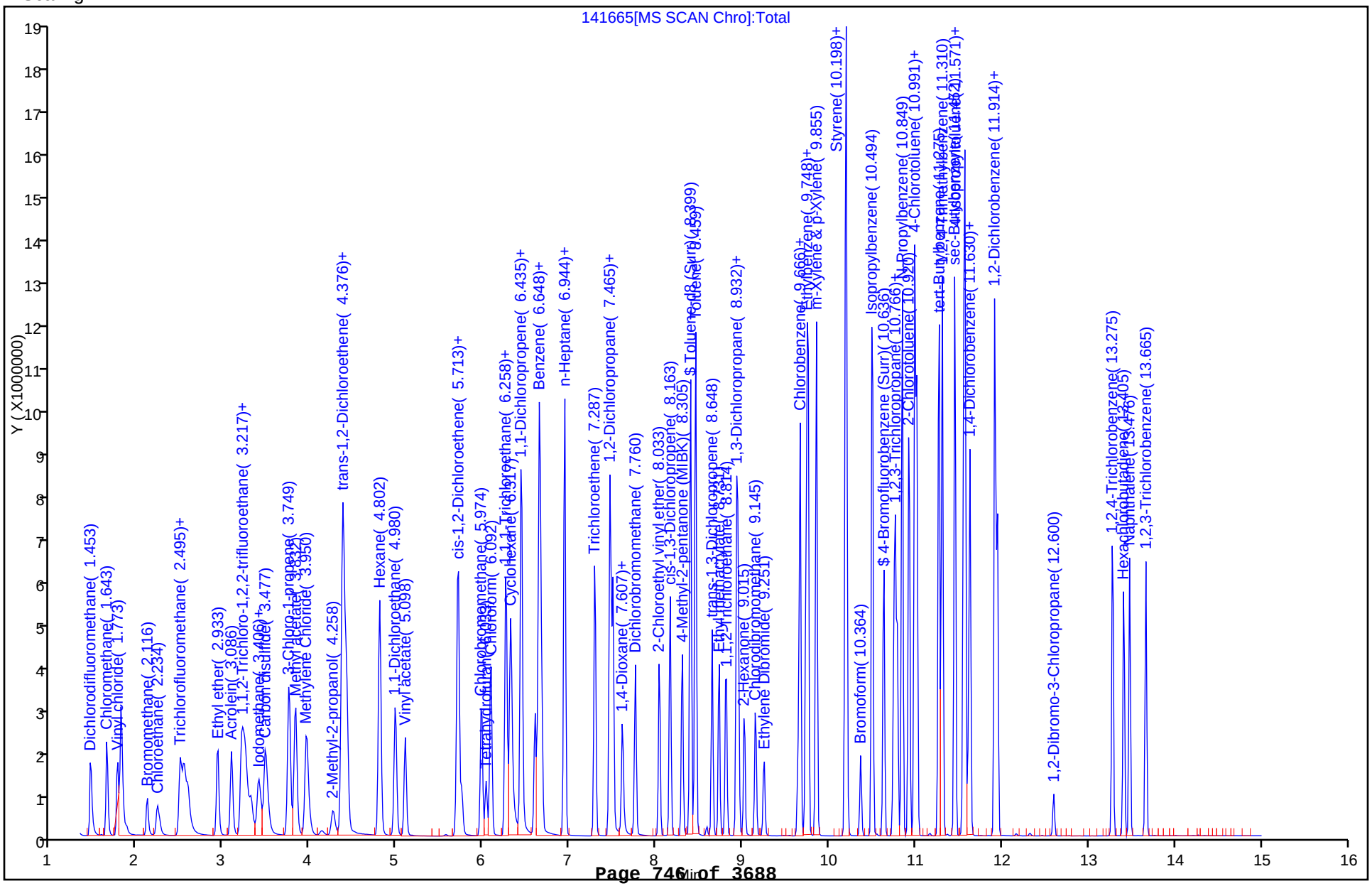
Report Date: 03-Apr-2013 12:44:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

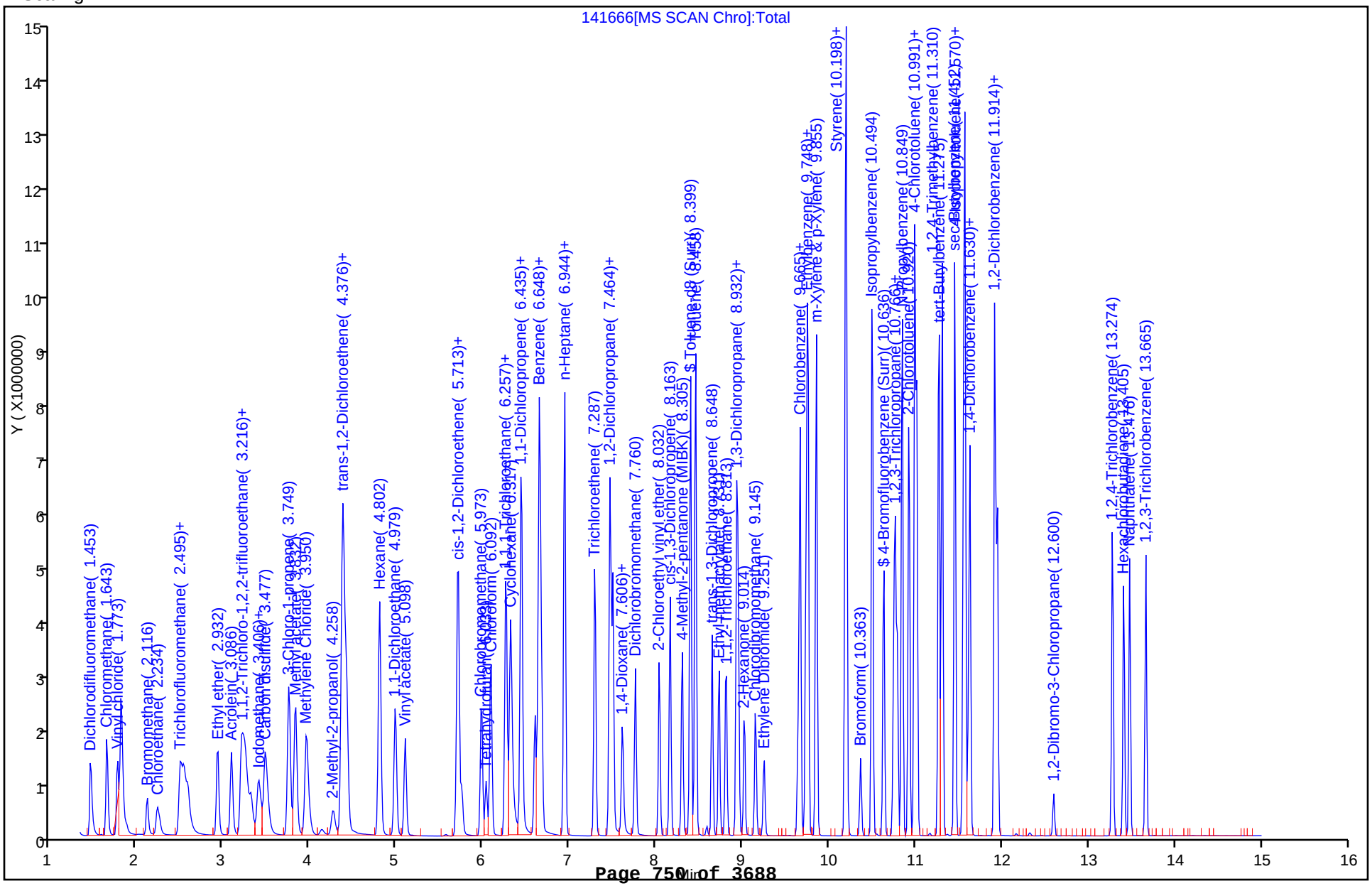
Report Date: 03-Apr-2013 12:44:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

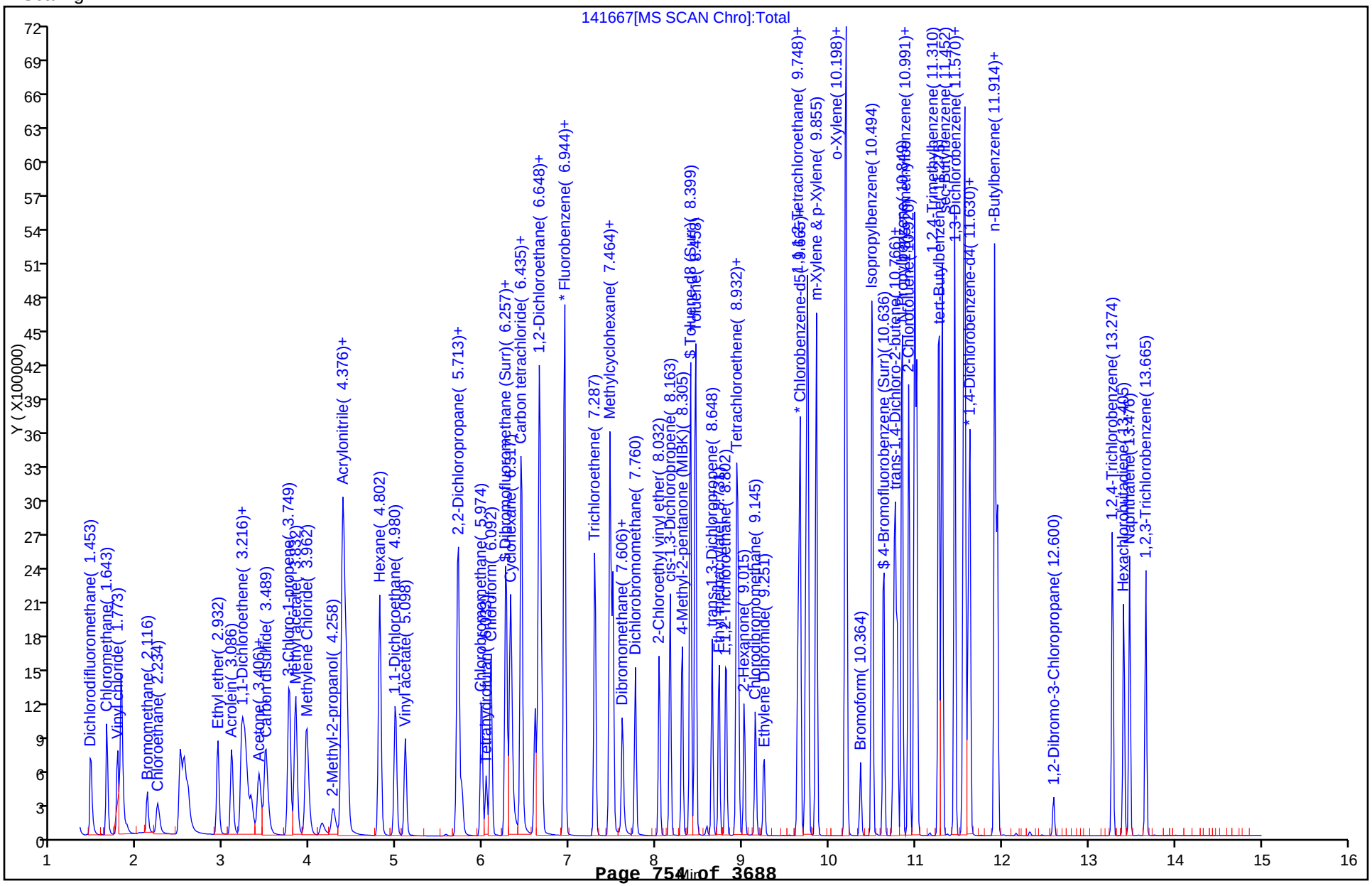
Report Date: 03-Apr-2013 12:44:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

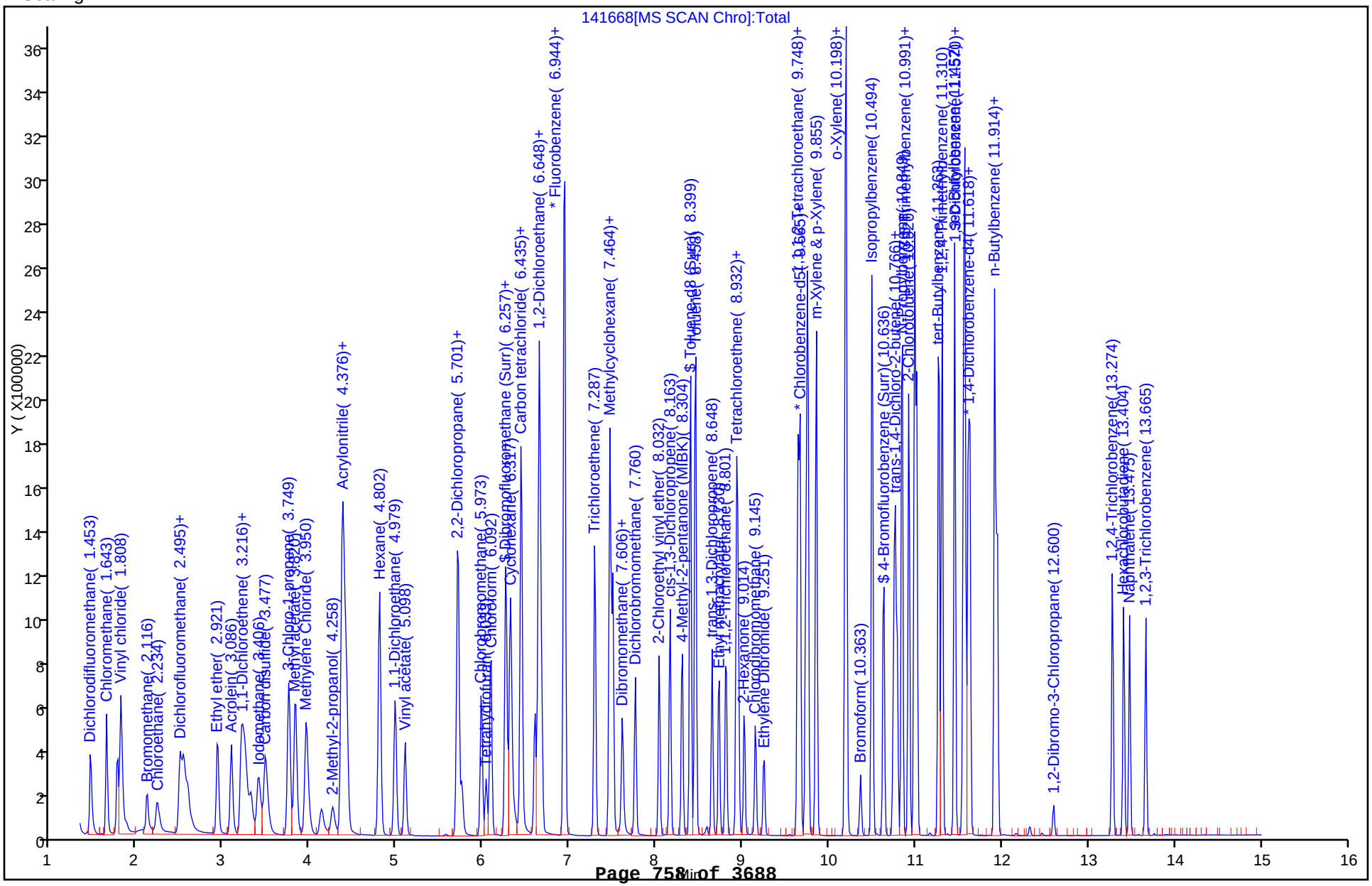
Report Date: 03-Apr-2013 13:56:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

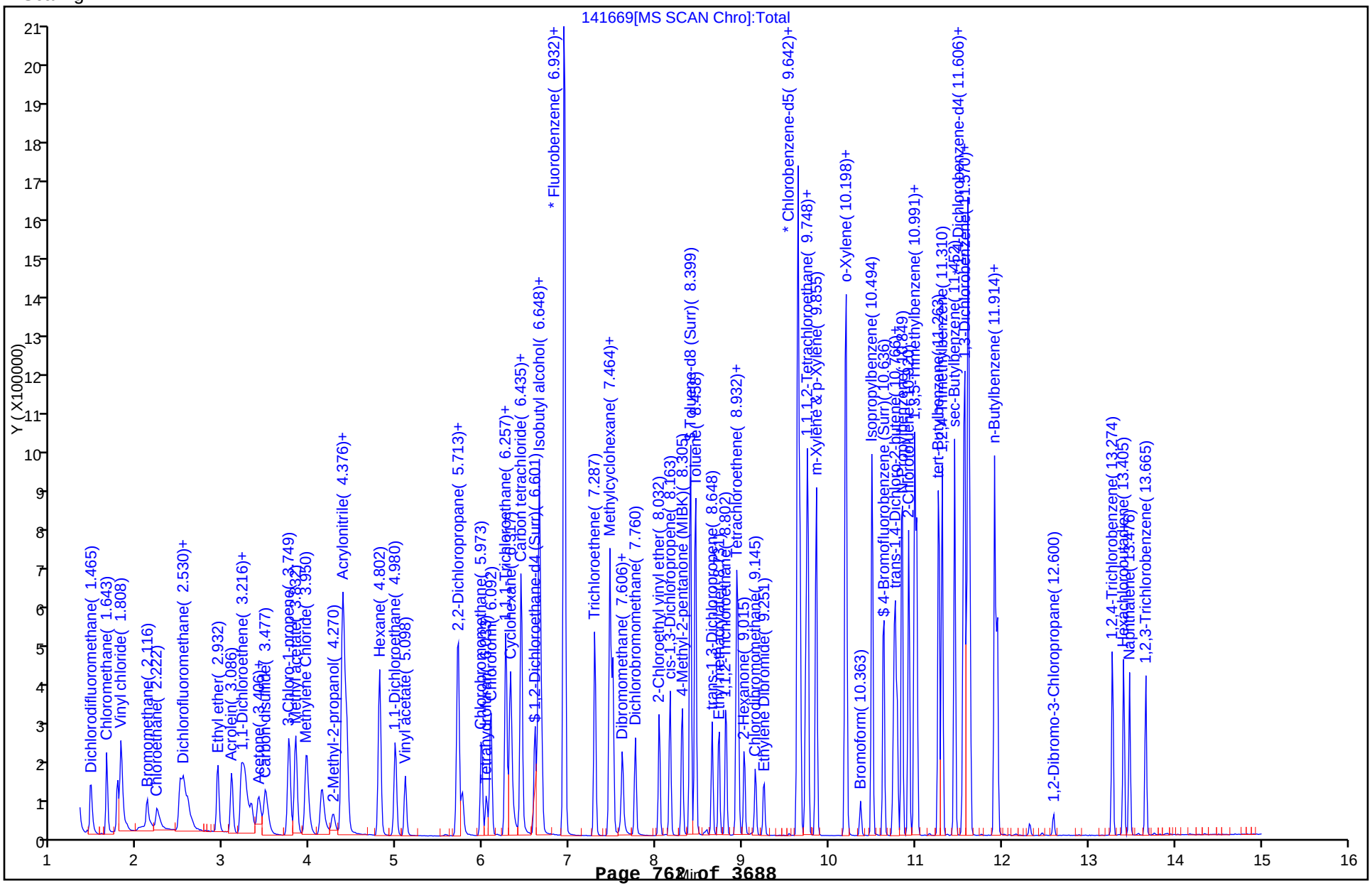
Report Date: 03-Apr-2013 12:44:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

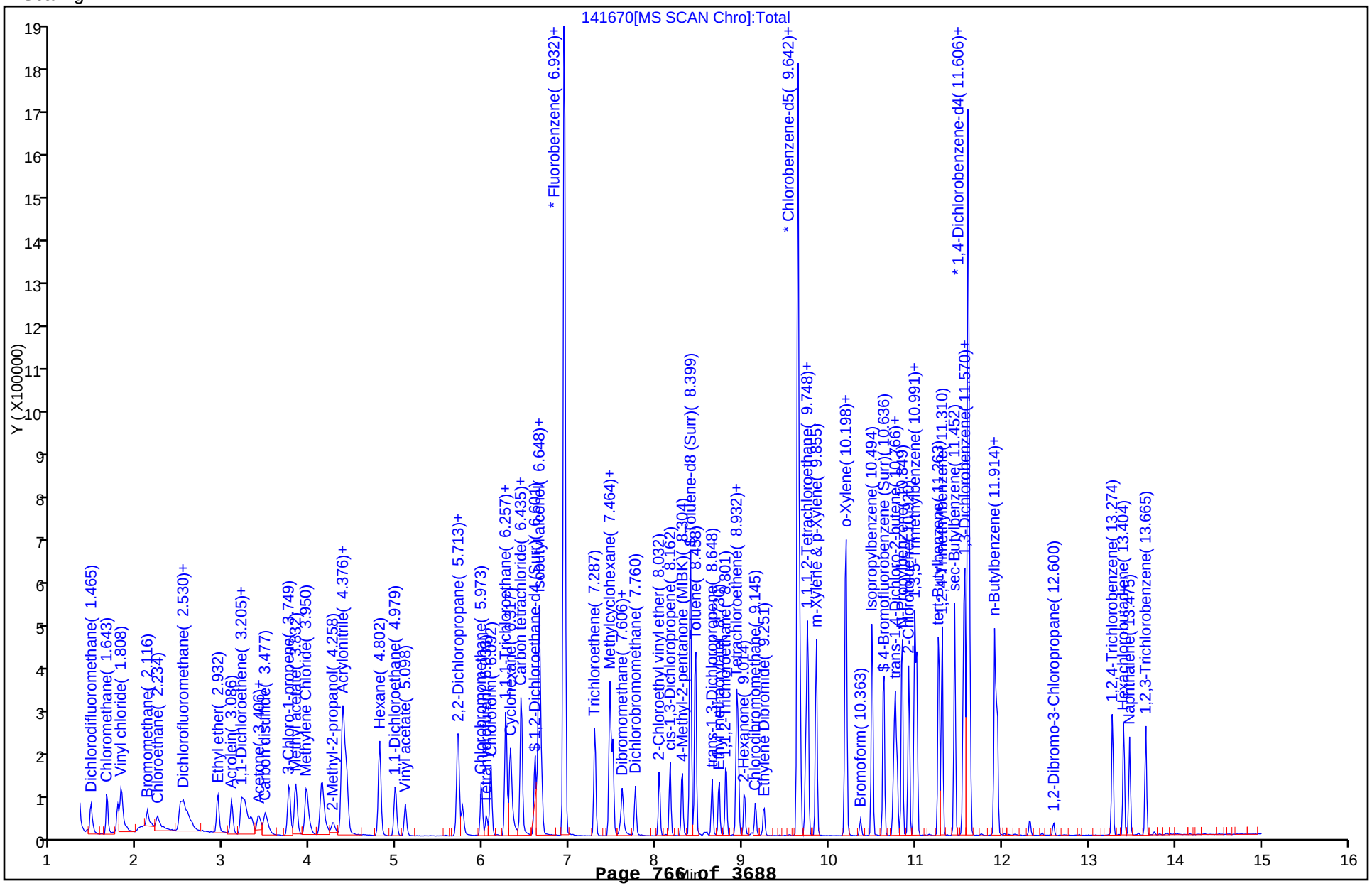
Report Date: 03-Apr-2013 12:44:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

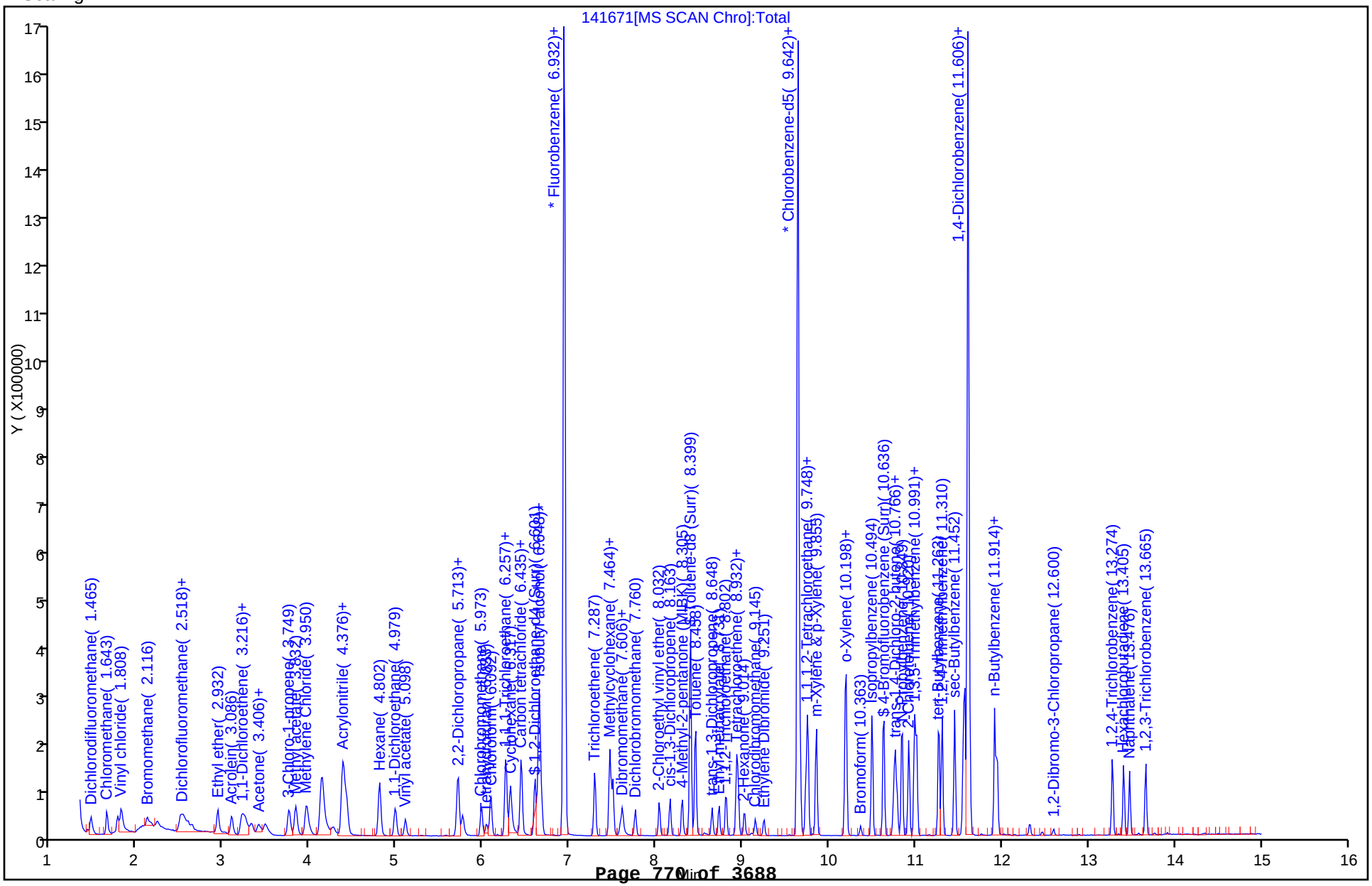
Report Date: 03-Apr-2013 12:44:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

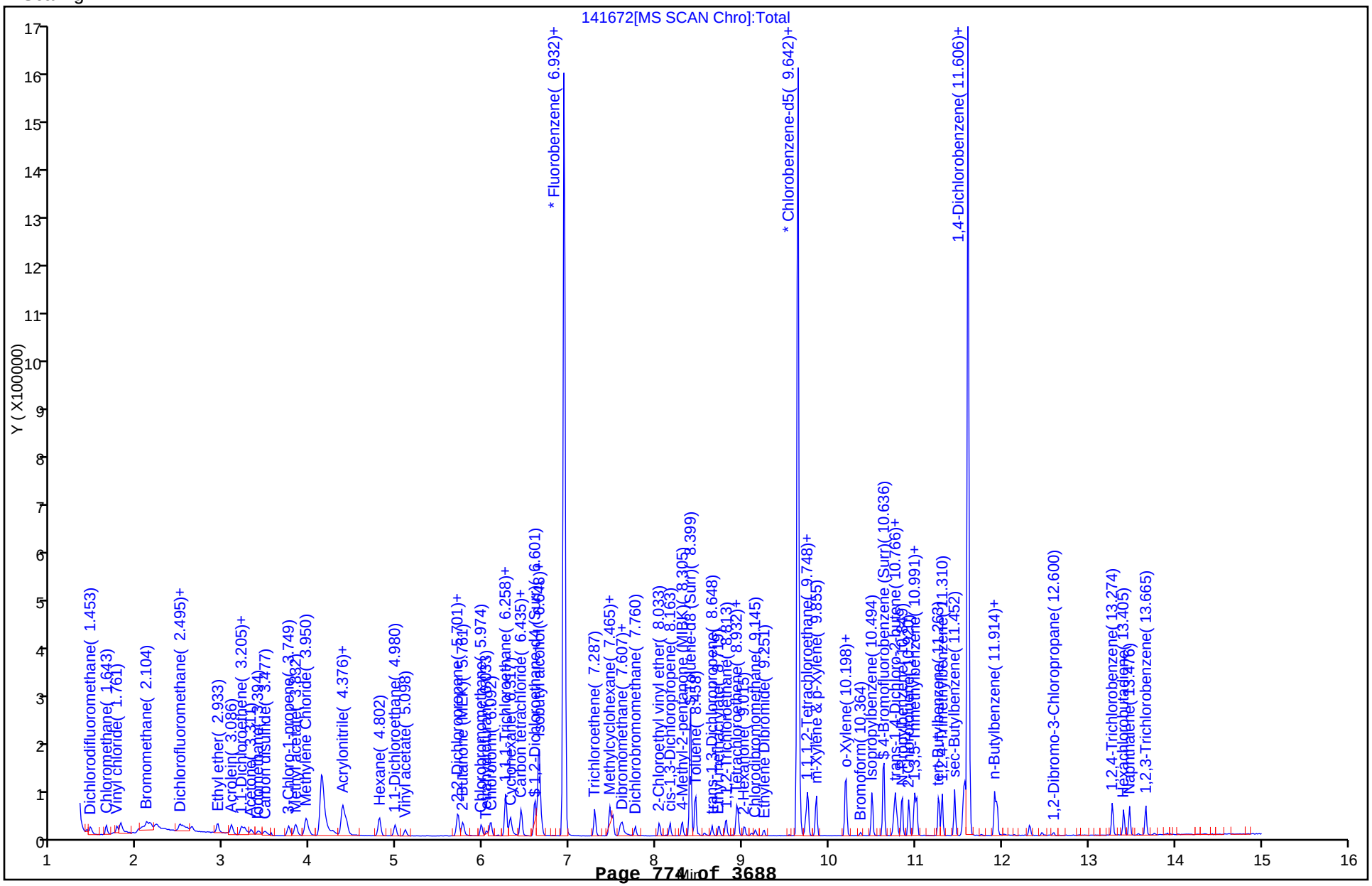
Report Date: 03-Apr-2013 12:44:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

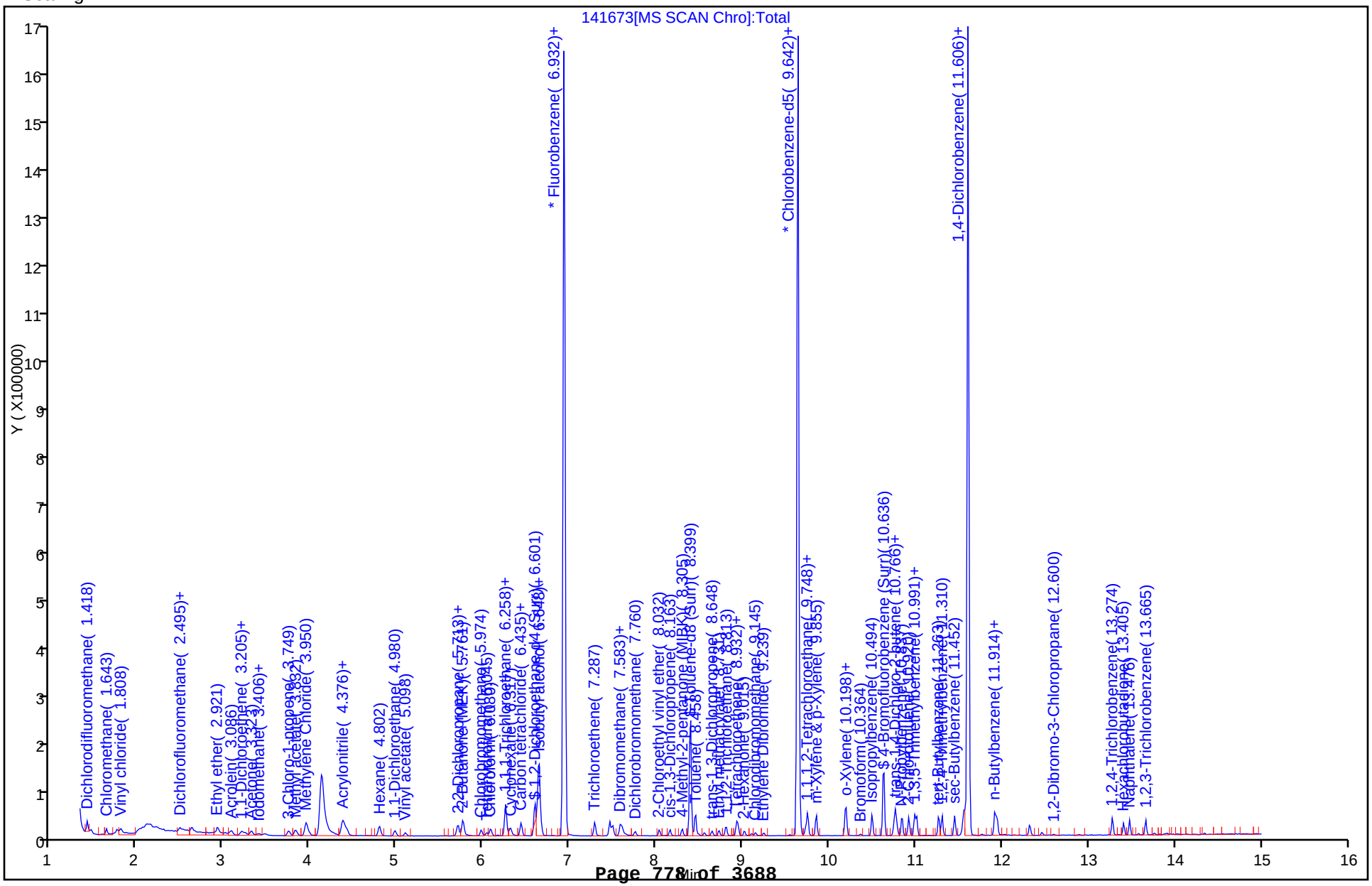
Report Date: 03-Apr-2013 12:44:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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 VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-81838/11	142001.D
Level 2	IC 240-81838/10	142000.D
Level 3	IC 240-81838/9	141999.D
Level 4	IC 240-81838/8	141998.D
Level 5	IC 240-81838/7	141997.D
Level 6	ICIS 240-81838/6	141996.D
Level 7	IC 240-81838/5	141995.D
Level 8	IC 240-81838/4	141994.D
Level 9	IC 240-81838/3	141993.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	+++++ 0.3624	0.2628 0.3543	0.3895 0.3657	0.3781 0.3524	0.3583	Ave		0.3529			0.1000	11.0		15.0			
Chloromethane	0.4272 0.4371	0.4007 0.4281	0.4729 0.4403	0.4545 0.3946	0.4370	Ave		0.4325			0.1000	5.6		15.0			
Vinyl chloride	0.3034 0.3578	0.2947 0.3562	0.3770 0.3647	0.3770 0.3419	0.3648	Ave		0.3486			0.1000	8.6		15.0			
Bromomethane	+++++ 0.1044	0.1116 0.0973	0.1233 0.1062	0.1071 0.0988	0.1083	Ave		0.1071			0.0500	7.6		15.0			
Chloroethane	0.1595 0.1633	0.1685 0.1696	0.1858 0.1743	0.1737 0.1733	0.1728	Ave		0.1712				4.4		15.0			
Dichlorofluoromethane	0.4547 0.4498	0.4310 0.4428	0.4789 0.4660	0.4773 0.4473	0.4513	Ave		0.4555				3.5		15.0			
Trichlorofluoromethane	+++++ 0.4295	0.3034 0.4338	0.4271 0.4600	0.4290 0.4478	0.4191	Ave		0.4187			0.1000	12.0		15.0			
Ethyl ether	0.2848 0.2298	0.2367 0.2159	0.2242 0.2155	0.2469 0.2154	0.2267	Ave		0.2329				9.5		15.0			
Acrolein	0.0211 0.0203	0.0186 0.0191	0.0194 0.0189	0.0203 0.0189	0.0198	Ave		0.0196				4.2		15.0			
1,1-Dichloroethene	+++++ 0.2617	+++++ 0.2741	0.2373 0.2465	0.2696 0.2632	0.2430	Ave		0.2565			0.1000	5.5		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2397	+++++ 0.2382	0.2220 0.2320	0.2372 0.2324	0.2272	Ave		0.2327			0.0500	2.7		15.0			
Acetone	+++++ 0.0774	+++++ 0.0681	0.1076 0.0663	0.0974 0.0640	0.0784	Lin1	0.5446	0.0648			0.0500				0.9980		0.9950
Iodomethane	0.3944 0.4650	0.3849 0.4655	0.4264 0.4716	0.4519 0.4479	0.4430	Ave		0.4390				7.1		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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	+++++ 0.7007	+++++ 0.7484	0.4983 0.7796	0.5465 0.7446	0.5845	Lin1	-1.911	0.7637			0.1000				0.9990		0.9950
3-Chloro-1-propene	+++++ 0.1585	+++++ 0.1630	0.1204 0.1659	0.1330 0.1611	0.1391	Ave		0.1487				12.0		15.0			
Methyl acetate	0.1820 0.1825	0.1776 0.1687	0.1743 0.1686	0.1814 0.1725	0.1770	Ave		0.1761			0.1000	3.1		15.0			
Methylene Chloride	+++++ 0.3007	+++++ 0.2832	0.4801 0.2760	0.4021 0.2656	0.3262	Lin1	1.1950	0.2670			0.1000				0.9990		0.9950
2-Methyl-2-propanol	0.0202 0.0182	0.0170 0.0158	0.0186 0.0158	0.0191 0.0167	0.0192	Ave		0.0178				8.9		15.0			
Acrylonitrile	0.0914 0.0868	0.0809 0.0805	0.0807 0.0805	0.0870 0.0817	0.0844	Ave		0.0838				4.6		15.0			
trans-1,2-Dichloroethene	0.2762 0.3035	0.2380 0.3048	0.2889 0.3003	0.3027 0.2890	0.2953	Ave		0.2888			0.1000	7.3		15.0			
Methyl tert-butyl ether	0.6091 0.6833	0.5693 0.6622	0.6204 0.6599	0.6688 0.6643	0.6426	Ave		0.6422			0.1000	5.6		15.0			
Hexane	+++++ 0.0722	+++++ 0.0727	0.0711 0.0725	0.0727 0.0732	0.0687	Ave		0.0719				2.2		15.0			
1,1-Dichloroethane	0.5211 0.5669	0.4434 0.5700	0.5254 0.5723	0.5564 0.5620	0.5295	Ave		0.5386			0.1000	7.6		15.0			
Vinyl acetate	+++++ 0.0353	+++++ 0.0354	0.0281 0.0369	0.0329 0.0374	0.0283	Ave		0.0335				12.0		15.0			
2,2-Dichloropropane	+++++ 0.2603	+++++ 0.2643	0.2062 0.2649	0.2221 0.2424	0.2411	Ave		0.2430				9.2		15.0			
cis-1,2-Dichloroethene	0.3004 0.3217	0.2868 0.3176	0.2933 0.3142	0.3128 0.3074	0.3108	Ave		0.3072			0.1000	3.8		15.0			
2-Butanone (MEK)	+++++ 0.1030	0.0999 0.0945	0.0964 0.0961	0.1029 0.0997	0.0953	Ave		0.0985			0.0500	3.4		15.0			
Bromochloromethane	0.1281 0.1443	0.1241 0.1394	0.1230 0.1387	0.1417 0.1375	0.1408	Ave		0.1353				5.9		15.0			
Tetrahydrofuran	0.0853 0.0678	0.0730 0.0618	0.0674 0.0625	0.0677 0.0646	0.0665	Ave		0.0685				10.0		15.0			
Chloroform	0.4544 0.4993	0.4080 0.4995	0.4489 0.5012	0.4920 0.4979	0.4747	Ave		0.4751				6.8		15.0			
1,1,1-Trichloroethane	+++++ 0.4247	+++++ 0.4248	0.3369 0.4456	0.3833 0.4189	0.3897	Ave		0.4034			0.1000	9.0		15.0			
Cyclohexane	+++++ 0.6175	+++++ 0.6140	0.5786 0.6183	0.6155 0.6064	0.5892	Ave		0.6056			0.1000	2.6		15.0			
Carbon tetrachloride	+++++ 0.4048	+++++ 0.4214	0.3060 0.4422	0.3400 0.4304	0.3536	Ave		0.3855			0.1000	14.0		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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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								
1,1-Dichloropropene	0.3050 0.3869	0.2664 0.3821	0.3709 0.3892	0.3827 0.3797	0.3730	Ave		0.3595				12.0		15.0			
Isobutyl alcohol	0.0075 0.0072	0.0059 0.0066	0.0071 0.0069	0.0078 0.0072	0.0076	Ave		0.0071				8.0		15.0			
Benzene	1.1258 1.1381	1.0065 1.1228	1.1009 1.1385	1.1533 1.1097	1.0926	Ave		1.1098			0.5000	3.9		15.0			
1,2-Dichloroethane	0.3957 0.3695	0.3494 0.3589	0.3590 0.3664	0.3718 0.3695	0.3629	Ave		0.3670			0.1000	3.5		15.0			
n-Heptane	+++++ 0.0855	+++++ 0.0855	0.0824 0.0860	0.0840 0.0872	0.0778	Ave		0.0840				3.7		15.0			
Trichloroethene	0.3347 0.3242	0.2897 0.3225	0.3108 0.3275	0.3378 0.3216	0.3134	Ave		0.3202			0.2000	4.5		15.0			
Methylcyclohexane	+++++ 0.5476	+++++ 0.5372	0.4730 0.5377	0.5285 0.5265	0.5190	Ave		0.5242			0.1000	4.6		15.0			
1,2-Dichloropropane	0.2535 0.2845	0.2484 0.2819	0.2624 0.2894	0.2813 0.2890	0.2717	Ave		0.2736			0.1000	5.6		15.0			
Dibromomethane	0.1223 0.1332	0.1199 0.1310	0.1260 0.1316	0.1248 0.1324	0.1245	Ave		0.1273				3.8		15.0			
1,4-Dioxane	0.0023 0.0020	0.0017 0.0019	0.0017 0.0018	0.0020 0.0019	0.0019	Ave		0.0019				9.9		15.0			
Bromodichloromethane	+++++ 0.3004	0.1735 0.3159	0.2075 0.3376	0.2563 0.3396	0.2694	Lin1	-0.528	0.3338			0.1000				0.9980		0.9950
2-Chloroethyl vinyl ether	0.0637 0.0731	0.0528 0.0738	0.0638 0.0773	0.0669 0.0835	0.0715	Ave		0.0696				13.0		15.0			
cis-1,3-Dichloropropene	+++++ 0.3365	+++++ 0.3555	0.2375 0.3743	0.2763 0.3828	0.2952	Lin1	-0.988	0.3775			0.1500				0.9990		0.9950
4-Methyl-2-pentanone (MIBK)	0.2742 0.3335	0.2739 0.3093	0.2780 0.3067	0.3050 0.3151	0.3253	Ave		0.3023			0.0500	7.3		15.0			
Toluene	1.7165 1.8156	1.5471 1.8013	1.6944 1.7772	1.7626 1.7371	1.7323	Ave		1.7316			0.4000	4.6		15.0			
trans-1,3-Dichloropropene	+++++ 0.3852	+++++ 0.4026	0.2642 0.4289	0.3031 0.4316	0.3401	Lin1	-1.149	0.4290			0.1000				0.9990		0.9950
Ethyl methacrylate	0.2739 0.3398	0.2483 0.3361	0.2823 0.3395	0.2879 0.3493	0.3185	Ave		0.3084				12.0		15.0			
1,1,2-Trichloroethane	0.2596 0.2650	0.2596 0.2578	0.2623 0.2571	0.2574 0.2562	0.2663	Ave		0.2601			0.1000	1.4		15.0			
Tetrachloroethene	0.3575 0.3790	0.2811 0.3764	0.3496 0.3769	0.3789 0.3641	0.3691	Ave		0.3592			0.2000	8.6		15.0			
1,3-Dichloropropane	0.4668 0.4587	0.4214 0.4489	0.4563 0.4459	0.4652 0.4465	0.4515	Ave		0.4512				3.0		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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	0.1801 0.1918	0.1600 0.1775	0.1726 0.1795	0.1825 0.1892	0.1933	Ave		0.1807			0.0500	5.8		15.0			
Dibromochloromethane	+++++ 0.2935	+++++ 0.3105	0.1852 0.3259	0.2231 0.3308	0.2524	Lin1	-0.972	0.3285							0.9990		0.9950
1,2-Dibromoethane	0.2137 0.2659	0.2173 0.2589	0.2245 0.2589	0.2484 0.2572	0.2569	Ave		0.2446				8.3		15.0			
Chlorobenzene	1.1222 1.0803	1.0401 1.0915	1.0804 1.0823	1.0931 1.0582	1.0541	Ave		1.0780			0.3000	2.3		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.4148	+++++ 0.4194	0.2968 0.4182	0.3537 0.4036	0.3843	Ave		0.3844				12.0		15.0			
Ethylbenzene	0.5405 0.6174	0.4971 0.6147	0.5788 0.6148	0.6010 0.5938	0.6005	Ave		0.5843				6.9		15.0			
m-Xylene & p-Xylene	0.7175 0.7406	0.6281 0.7517	0.6472 0.7490	0.7035 0.7230	0.7223	Ave		0.7092				6.2		15.0			
o-Xylene	0.6493 0.7521	0.5818 0.7416	0.6808 0.7377	0.7318 0.7013	0.7331	Ave		0.7011				8.0		15.0			
Styrene	0.8524 1.1307	0.8545 1.1468	0.9333 1.1628	1.0417 1.1447	1.0818	Ave		1.0387			0.3000	12.0		15.0			
Bromoform	+++++ 0.1454	+++++ 0.1608	0.0897 0.1771	0.1033 0.1808	0.1239	Qua	-0.568	0.1559	0.0001		0.1000				1.0000		0.9900
Isopropylbenzene	+++++ 2.1121	+++++ 2.1026	1.8045 2.0995	1.9778 1.9910	2.0168	Ave		2.0149			0.1000	5.4		15.0			
1,1,2,2-Tetrachloroethane	0.5369 0.6338	0.5013 0.6239	0.5551 0.6008	0.6240 0.6412	0.6429	Ave		0.5955			0.3000	8.7		15.0			
Bromobenzene	0.9224 0.9062	0.7663 0.9103	0.8782 0.8876	0.9432 0.9110	0.9281	Ave		0.8948				5.8		15.0			
1,2,3-Trichloropropane	0.2573 0.2008	0.1735 0.1925	0.1817 0.1859	0.1978 0.1982	0.2046	Ave		0.1991				12.0		15.0			
trans-1,4-Dichloro-2-butene	0.1739 0.1922	0.1623 0.1966	0.1824 0.2038	0.1844 0.2238	0.1963	Ave		0.1906				9.3		15.0			
N-Propylbenzene	0.9749 1.1391	0.7785 1.1813	1.0220 1.1548	1.0895 1.1757	1.1146	Ave		1.0700				12.0		15.0			
2-Chlorotoluene	0.8211 0.9832	0.7607 0.9847	0.9134 0.9694	0.9718 0.9864	0.9809	Ave		0.9302				9.0		15.0			
1,3,5-Trimethylbenzene	2.6832 3.5003	2.4244 3.5991	2.9715 3.5176	3.2336 3.5108	3.3505	Ave		3.1990				13.0		15.0			
4-Chlorotoluene	0.9988 0.9538	0.8565 0.9794	0.8750 0.9470	0.9690 0.9722	0.9488	Ave		0.9445				5.1		15.0			
tert-Butylbenzene	+++++ 3.3125	+++++ 3.3842	2.7230 3.3119	3.0432 3.3216	3.1661	Ave		3.1803				7.3		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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	2.7896 3.4619	2.6431 3.5640	3.0502 3.4765	3.3076 3.5322	3.4018	Ave		3.2474				10.0		15.0			
sec-Butylbenzene	3.0957 4.5647	2.8395 4.6810	3.8371 4.5567	4.2755 4.5923	4.3493	Lin1	-2.444	4.6010							1.0000		0.9950
1,3-Dichlorobenzene	1.9225 1.8194	1.7213 1.8119	1.8537 1.7580	1.8490 1.8040	1.8876	Ave		1.8253			0.6000	3.4		15.0			
4-Isopropyltoluene	+++++ 3.8571	+++++ 3.9677	3.2040 3.9062	3.5598 3.9049	3.7228	Ave		3.7318				7.3		15.0			
1,4-Dichlorobenzene	2.1403 1.7961	1.7803 1.7880	1.8340 1.7404	1.8154 1.7466	1.8405	Ave		1.8313			0.5000	6.6		15.0			
n-Butylbenzene	+++++ 3.2939	+++++ 3.3734	2.8901 3.3115	3.0535 3.2947	3.1989	Ave		3.2023				5.4		15.0			
1,2-Dichlorobenzene	1.7670 1.6957	1.6704 1.6649	1.6644 1.6180	1.7067 1.6241	1.7585	Ave		1.6855			0.4000	3.1		15.0			
1,2-Dibromo-3-Chloropropane	0.0757 0.0995	0.0689 0.0999	0.0677 0.1066	0.0783 0.1127	0.0919	Qua	-0.038	0.0915	0.0001		0.0500				1.0000		0.9900
1,2,4-Trichlorobenzene	1.2135 1.0805	1.0893 1.0444	1.0213 1.0409	1.0426 1.0119	1.0893	Ave		1.0704			0.2000	5.7		15.0			
Hexachlorobutadiene	0.5419 0.5874	0.4384 0.5841	0.5278 0.5394	0.5852 0.5132	0.5819	Ave		0.5444				9.0		15.0			
Naphthalene	2.2308 2.1220	2.0923 1.9995	1.8864 1.9993	2.0346 1.9816	2.1601	Ave		2.0563				5.1		15.0			
1,2,3-Trichlorobenzene	1.0062 0.9134	0.9734 0.8549	0.8593 0.8664	0.9121 0.8391	0.9369	Ave		0.9069				6.3		15.0			
Dibromofluoromethane (Surr)	+++++ 0.2426	0.4463 0.2620	0.3627 0.2686	0.2870 0.2667	0.3017	Qua	0.4028	0.2511	0.0001						1.0000		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2623	+++++ 0.2766	0.4320 0.2865	0.3307 0.2905	0.3343	Qua	0.9125	0.2520	0.0001						1.0000		0.9900
Toluene-d8 (Surr)	+++++ 1.3653	+++++ 1.4592	2.1142 1.4753	1.6438 1.4469	1.6906	Qua	2.3083	1.4276	0.0001						0.9990		0.9900
4-Bromofluorobenzene (Surr)	+++++ 0.9323	+++++ 1.0259	1.5323 1.0310	1.1535 1.0803	1.1727	Qua	3.3376	0.8915	0.0007						0.9990		0.9900

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.: 240-22804-1 | Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 | Calibration End Date: 04/14/2013 12:43 | Calibration ID: 14504

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-81838/11	142001.D
Level 2	IC 240-81838/10	142000.D
Level 3	IC 240-81838/9	141999.D
Level 4	IC 240-81838/8	141998.D
Level 5	IC 240-81838/7	141997.D
Level 6	ICIS 240-81838/6	141996.D
Level 7	IC 240-81838/5	141995.D
Level 8	IC 240-81838/4	141994.D
Level 9	IC 240-81838/3	141993.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	+++++ 423934	12006 830692	46602 1707917	87141 2088731	166951	+++++ 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloromethane	FB	Ave	9821 511262	18307 1003802	56580 2056195	104740 2338834	203665	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl chloride	FB	Ave	6975 418517	13465 835097	45103 1703474	86867 2026167	170025	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromomethane	FB	Ave	+++++ 122091	5097 228029	14753 495780	24678 585309	50480	+++++ 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroethane	FB	Ave	3667 191052	7697 397629	22232 813921	40020 1026841	80518	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dichlorofluoromethane	FB	Ave	10454 526150	19689 1038129	57293 2176296	109990 2650976	210320	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichlorofluoromethane	FB	Ave	+++++ 502329	13860 1017242	51091 2148299	98868 2654156	195290	+++++ 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl ether	FB	Ave	6548 268840	10812 506135	26825 1006357	56902 1276559	105631	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acrolein	FB	Ave	4846 238013	8512 448304	23235 882666	46778 1119229	92213	10.0 500	20.0 1000	50.0 2000	100 2500	200
1,1-Dichloroethene	FB	Ave	+++++ 306108	+++++ 642741	28386 1151200	62127 1559998	113224	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 280353	+++++ 558464	26563 1083302	54668 1377615	105856	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Acetone	FB	Lin1	+++++ 181138	+++++ 319153	25742 619242	44903 759073	73041	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Iodomethane	FB	Ave	9067 543851	17584 1091341	51018 2202730	104142 2654642	206434	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon disulfide	FB	Lin1	+++++ 819574	+++++ 1754705	59620 3640852	125933 4413282	272405	+++++ 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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	+++++ 185354	+++++ 382286	14409 774691	30659 954896	64846	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Methyl acetate	FB	Ave	20919 1067259	40568 1977842	104264 3936079	208994 5111498	412399	5.00 250	10.0 500	25.0 1000	50.0 1250	100
Methylene Chloride	FB	Lin1	+++++ 351661	+++++ 664040	57432 1289037	92655 1574276	152001	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2-Methyl-2-propanol	FB	Ave	4653 213378	7785 370593	22209 737189	43977 990089	89246	10.0 500	20.0 1000	50.0 2000	100 2500	200
Acrylonitrile	FB	Ave	21007 1015194	36979 1886900	96581 3760912	200427 4843966	393202	10.0 500	20.0 1000	50.0 2000	100 2500	200
trans-1,2-Dichloroethene	FB	Ave	6350 354969	10872 714579	34564 1402461	69765 1713063	137634	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methyl tert-butyl ether	FB	Ave	14004 799256	26009 1552662	74224 3082081	154128 3937203	299458	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexane	FB	Ave	+++++ 84492	+++++ 170389	8510 338720	16755 433836	32010	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1-Dichloroethane	FB	Ave	11980 663126	20258 1336590	62852 2672983	128222 3330897	246763	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl acetate	FB	Ave	+++++ 41312	+++++ 83012	3367 172523	7583 221831	13173	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2,2-Dichloropropane	FB	Ave	+++++ 304444	+++++ 619774	24665 1237051	51175 1436345	112360	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
cis-1,2-Dichloroethene	FB	Ave	6906 376333	13104 744739	35091 1467540	72087 1821804	144844	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Butanone (MEK)	FB	Ave	+++++ 240993	9126 443318	23054 897389	47410 1181861	88780	+++++ 100	4.00 200	10.0 400	20.0 500	40.0
Bromochloromethane	FB	Ave	2946 168749	5670 326778	14711 647678	32648 814842	65632	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrahydrofuran	FB	Ave	3921 158617	6669 289764	16119 583350	31206 765776	61985	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Chloroform	FB	Ave	10446 584020	18639 1171198	53707 2340629	113388 2951085	221234	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 496777	+++++ 996095	40307 2080946	88341 2482779	181607	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Cyclohexane	FB	Ave	+++++ 722209	+++++ 1439685	69218 2887601	141832 3593829	274583	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Carbon tetrachloride	FB	Ave	+++++ 473485	+++++ 988129	36603 2065388	78343 2550858	164775	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1-Dichloropropene	FB	Ave	7011 452519	12171 895831	44367 1817631	88194 2250307	173846	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Isobutyl alcohol	FB	Ave	4308 209474	6754 388929	21236 801196	44870 1065316	88386	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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	25882 1331138	45978 2632691	131711 5317035	265779 6577134	509167	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane	FB	Ave	9097 432146	15960 841483	42953 1711285	85671 2189891	169118	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Heptane	FB	Ave	+++++ 99950	+++++ 200419	9858 401683	19360 516550	36262	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Trichloroethene	FB	Ave	7694 379259	13233 756237	37177 1529762	77847 1906111	146031	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methylcyclohexane	FB	Ave	+++++ 640462	+++++ 1259654	56593 2511047	121779 3120351	241860	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dichloropropane	FB	Ave	5828 332737	11346 660899	31392 1351741	64830 1712931	126608	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromomethane	FB	Ave	2811 155773	5478 307083	15078 614455	28763 784478	58000	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dioxane	FB	Ave	1047 46452	1524 86890	3970 166850	9036 219893	17772	20.0 1000	40.0 2000	100 4000	200 5000	400
Bromodichloromethane	FB	Lin1	+++++ 351415	7928 740592	24826 1576818	59058 2012846	125524	+++++ 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chloroethyl vinyl ether	FB	Ave	2930 171057	4827 346222	15274 722192	30821 990075	66627	2.00 100	4.00 200	10.0 400	20.0 500	40.0
cis-1,3-Dichloropropene	FB	Lin1	+++++ 393590	+++++ 833588	28409 1748009	63661 2268882	137559	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	7791 490364	15233 926015	42089 1903405	88416 2532174	190467	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Toluene	CBZ	Ave	24389 1334716	43022 2696528	128271 5515712	255478 6979734	507184	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	+++++ 283144	+++++ 602710	20003 1331053	43936 1734306	99582	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethyl methacrylate	CBZ	Ave	3892 249808	6904 503198	21368 1053721	41725 1403566	93259	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloroethane	CBZ	Ave	3688 194807	7219 385968	19857 798012	37305 1029551	77969	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrachloroethene	CBZ	Ave	5080 278656	7817 563487	26466 1169617	54913 1463024	108082	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichloropropane	CBZ	Ave	6632 337210	11719 672050	34541 1383828	67431 1793885	132187	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Hexanone	CBZ	Ave	5117 282070	8899 531503	26136 1113933	52910 1520313	113220	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Dibromochloromethane	CBZ	Lin1	+++++ 215792	+++++ 464740	14023 1011323	32339 1328947	73892	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dibromoethane	CBZ	Ave	3037 195450	6042 387597	16995 803382	36002 1033301	75220	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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	15945 794174	28924 1633917	81793 3359055	158446 4251673	308640	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 304919	+++++ 627797	22466 1297792	51267 1621554	112507	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethylbenzene	CBZ	Ave	7679 453915	13822 920193	43816 1908066	87107 2385996	175817	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
m-Xylene & p-Xylene	CBZ	Ave	10194 544455	17465 1125229	48995 2324447	101974 2904822	211471	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
o-Xylene	CBZ	Ave	9226 552922	16179 1110168	51537 2289617	106066 2817796	214637	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Styrene	CBZ	Ave	12111 831223	23763 1716733	70655 3608907	150987 4599455	316740	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromoform	CBZ	Qua	+++++ 106907	+++++ 240743	6794 549668	14970 726547	36275	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Isopropylbenzene	CBZ	Ave	+++++ 1552694	+++++ 3147580	136613 6515930	286680 7999716	590507	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3794 225980	6996 440844	20638 908103	43865 1163160	91354	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromobenzene	DCB	Ave	6518 323112	10695 643182	32649 1341686	66307 1652701	131885	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichloropropane	DCB	Ave	1818 71588	2421 136042	6754 280945	13906 359610	29078	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1229 68543	2265 138896	6779 308087	12965 406052	27897	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
N-Propylbenzene	DCB	Ave	6889 406160	10865 834650	37994 1745589	76589 2132828	158383	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chlorotoluene	DCB	Ave	5802 350589	10616 695742	33956 1465314	68319 1789519	139379	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3,5-Trimethylbenzene	DCB	Ave	18960 1248094	33836 2542979	110466 5317122	227324 6369064	476111	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Chlorotoluene	DCB	Ave	7058 340082	11954 692014	32528 1431423	68122 1763638	134818	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
tert-Butylbenzene	DCB	Ave	+++++ 1181144	+++++ 2391117	101228 5006113	213938 6025796	449901	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2,4-Trimethylbenzene	DCB	Ave	19712 1234396	36888 2518193	113394 5254913	232526 6408006	483391	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
sec-Butylbenzene	DCB	Lin1	21875 1627643	39629 3307394	142647 6887750	300567 8331158	618027	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichlorobenzene	DCB	Ave	13585 648743	24023 1280249	68914 2657348	129984 3272702	268227	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Isopropyltoluene	DCB	Ave	+++++ 1375328	+++++ 2803401	119110 5904426	250252 7084064	529011	+++++ 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.: 240-22804-1 Analy Batch No.: 81838

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/14/2013 09:51 Calibration End Date: 04/14/2013 12:43 Calibration ID: 14504

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	15124 640426	24846 1263351	68182 2630685	127621 3168564	261531	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Butylbenzene	DCB	Ave	+++++ 1174498	+++++ 2383518	107442 5005577	214660 5977020	454559	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dichlorobenzene	DCB	Ave	12486 604646	23313 1176365	61876 2445716	119984 2946414	249885	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	535 35472	961 70563	2518 161089	5507 204414	13060	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trichlorobenzene	DCB	Ave	8575 385272	15203 737938	37969 1573450	73296 1835760	154783	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexachlorobutadiene	DCB	Ave	3829 209444	6119 412696	19621 815316	41142 931083	82687	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Naphthalene	DCB	Ave	15763 756634	29201 1412773	70127 3022080	143033 3594841	306952	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichlorobenzene	DCB	Ave	7110 325694	13585 604008	31946 1309648	64118 1522304	133136	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromofluoromethane (Surr)	FB	Qua	+++++ 283716	20390 614252	43393 1254233	66146 1580566	140609	+++++ 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Qua	+++++ 306748	+++++ 648546	51677 1338103	76204 1721688	155801	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Toluene-d8 (Surr)	CBZ	Qua	+++++ 1003727	+++++ 2184452	160058 4578681	238268 5813721	494999	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
4-Bromofluorobenzene (Surr)	DCB	Qua	+++++ 332445	+++++ 724875	56963 1558486	81092 1959765	166645	+++++ 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\20130414-18847.b\141993.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 09:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: ic
Misc. Info.: 240-0018847-003 =240-001884
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 81838 Lims Sample ID: 3
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:28 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 14-Apr-2013 12:46:31

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	94	1185342	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	803595	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	362830	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	67	1580566	248.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	1721688	249.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	89	5813721	248.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	93	1959765	251.0	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	2088731	249.6	
13 Chloromethane	50	1.643	1.643	0.0	100	2338834	228.1	
14 Vinyl chloride	62	1.773	1.773	0.0	99	2026167	245.2	
15 Bromomethane	94	2.104	2.104	0.0	91	585309	230.5	
16 Chloroethane	64	2.234	2.234	0.0	97	1026841	253.0	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2650976	245.5	
18 Trichlorofluoromethane	101	2.554	2.554	0.0	99	2654156	267.4	
19 Ethyl ether	59	2.921	2.921	0.0	97	1276559	231.2	
20 Acrolein	56	3.086	3.086	0.0	96	1119229	2407.8	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	1559998	256.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	94	1377615	249.8	
22 Acetone	43	3.311	3.311	0.0	98	759073	486.1	
24 Iodomethane	142	3.406	3.406	0.0	99	2654642	255.1	
26 Carbon disulfide	76	3.477	3.477	0.0	100	4413282	246.3	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	954896	270.8	
28 Methyl acetate	43	3.820	3.820	0.0	98	5111498	1224.7	
30 Methylene Chloride	84	3.950	3.950	0.0	97	1574276	244.2	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	95	990089	2340.2	
32 Acrylonitrile	53	4.364	4.364	0.0	99	4843966	2439.2	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	1713063	250.3	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	99	3937203	258.6	
35 Hexane	86	4.802	4.802	0.0	96	433836	254.6	

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	3330897	260.9	
37 Vinyl acetate	86	5.098	5.098	0.0	97	221831	279.4	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	88	1436345	249.3	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1821804	250.1	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	98	1181861	506.3	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	814842	254.1	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	765776	471.6	
49 Chloroform	83	6.092	6.092	0.0	96	2951085	262.0	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	95	2482779	259.6	
51 Cyclohexane	56	6.317	6.317	0.0	95	3593829	250.3	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	2250307	264.0	
53 Carbon tetrachloride	117	6.435	6.435	0.0	89	2550858	279.1	
54 Isobutyl alcohol	41	6.636	6.636	0.0	93	1065316	6345.6	
55 Benzene	78	6.648	6.648	0.0	97	6577134	250.0	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	2189891	251.7	
58 n-Heptane	100	6.944	6.944	0.0	97	516550	259.3	
60 Trichloroethene	130	7.287	7.287	0.0	96	1906111	251.1	
63 Methylcyclohexane	83	7.465	7.465	0.0	98	3120351	251.1	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	1712931	264.1	
65 Dibromomethane	93	7.607	7.607	0.0	89	784478	260.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	219893	4924.6	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	2012846	256.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	92	990075	599.9	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	90	2268882	256.1	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	2532174	521.1	
72 Toluene	91	8.458	8.458	0.0	97	6979734	250.8	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1734306	254.2	
74 Ethyl methacrylate	69	8.731	8.731	0.0	93	1403566	283.2	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	1029551	246.2	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	1463024	253.4	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	97	1793885	247.4	
78 2-Hexanone	43	9.015	9.015	0.0	99	1520313	523.4	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1328947	254.7	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	1033301	262.8	
82 Chlorobenzene	112	9.665	9.665	0.0	92	4251673	245.4	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	95	1621554	262.5	
84 Ethylbenzene	106	9.760	9.760	0.0	98	2385996	254.1	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	2904822	254.9	
85 o-Xylene	106	10.186	10.186	0.0	97	2817796	250.1	
86 Styrene	104	10.198	10.198	0.0	89	4599455	275.5	
87 Bromoform	173	10.364	10.364	0.0	97	726547	249.1	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	7999716	247.0	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	1163160	269.2	
91 Bromobenzene	156	10.766	10.766	0.0	94	1652701	254.5	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	91	406052	293.5	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	72	359610	248.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	2132828	274.7	
95 2-Chlorotoluene	126	10.932	10.932	0.0	98	1789519	265.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	6369064	274.4	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1763638	257.3	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	6025796	261.1	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	6408006	271.9	

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	8331158	250.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	3272702	247.1	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	96	7084064	261.6	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	96	3168564	238.4	
105 n-Butylbenzene	91	11.914	11.914	0.0	95	5977020	257.2	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	2946414	240.9	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	84	204414	251.2	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	1835760	236.3	
110 Hexachlorobutadiene	225	13.416	13.416	0.0	97	931083	235.7	
111 Naphthalene	128	13.476	13.476	0.0	97	3594841	240.9	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	1522304	231.3	
S 137 Trihalomethanes, Total	1				0		1021.7	
S 11 1,2-Dichloroethene, Total	96				0		500.4	
S 9 1,3-Dichloropropene, Total	75				0		510.4	
S 114 Xylenes, Total	106				0		504.9	

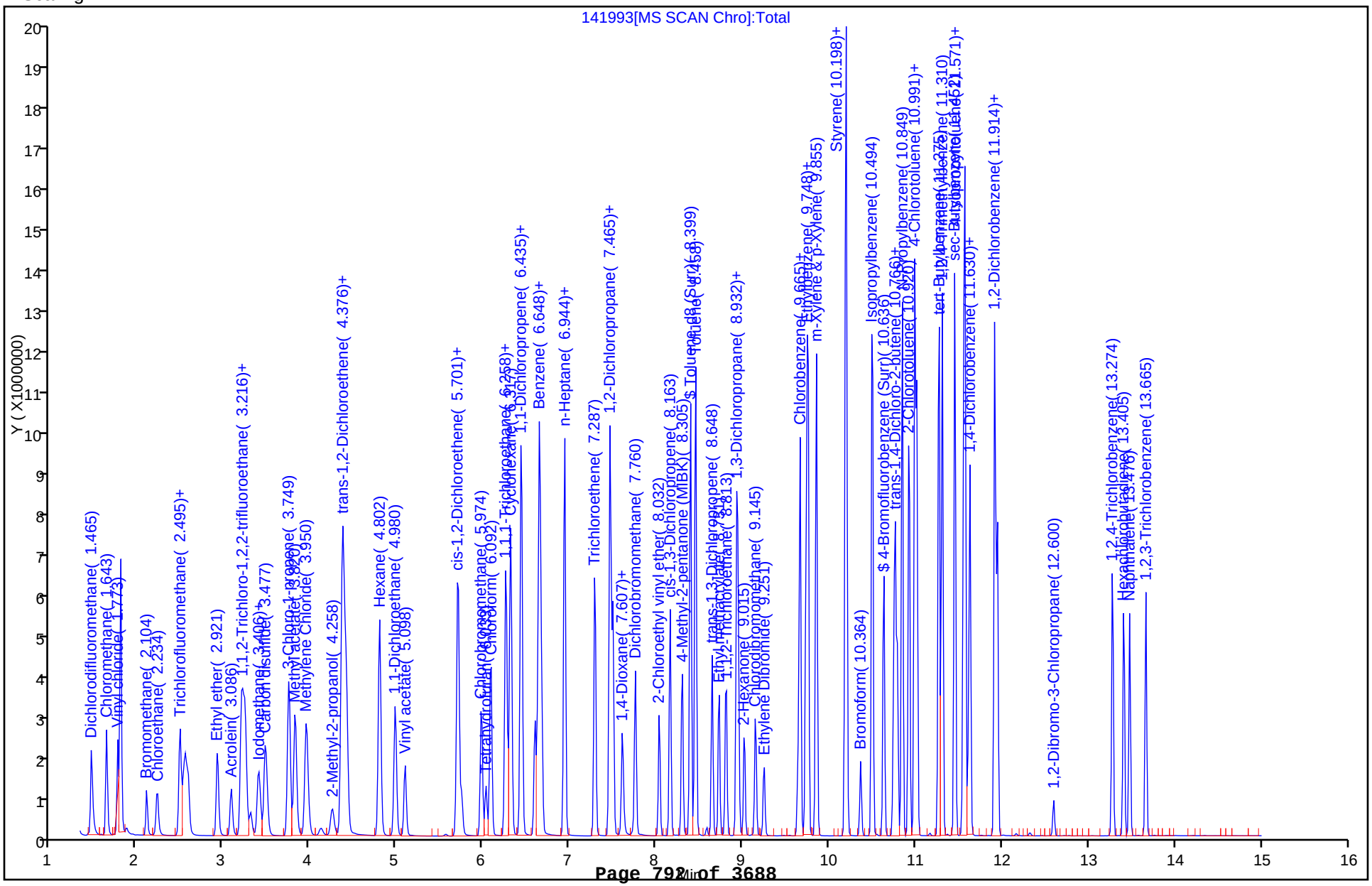
Report Date: 15-Apr-2013 11:38:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141993.D

Injection Date:	14-Apr-2013 09:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141994.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 10:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: ic
Misc. Info.: 240-0018847-004 =240-0018847-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 81838 Lims Sample ID: 4
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:29 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:20:56

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	1167591	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	775883	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	377890	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	72	1254233	202.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	1338103	201.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	89	4578681	202.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	95	1558486	197.7	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	100	1707917	207.2	
13 Chloromethane	50	1.643	1.643	0.0	100	2056195	203.6	
14 Vinyl chloride	62	1.773	1.773	0.0	99	1703474	209.3	
15 Bromomethane	94	2.104	2.104	0.0	90	495780	198.2	
16 Chloroethane	64	2.223	2.234	-0.011	97	813921	203.6	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2176296	204.6	
18 Trichlorofluoromethane	101	2.554	2.554	0.0	100	2148299	219.7	
19 Ethyl ether	59	2.921	2.921	0.0	98	1006357	185.1	
20 Acrolein	56	3.086	3.086	0.0	97	882666	1927.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	95	1151200	192.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	93	1083302	199.4	
22 Acetone	43	3.311	3.311	0.0	99	619242	401.1	
24 Iodomethane	142	3.406	3.406	0.0	99	2202730	214.9	
26 Carbon disulfide	76	3.477	3.477	0.0	100	3640852	206.6	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	774691	223.0	
28 Methyl acetate	43	3.820	3.820	0.0	98	3936079	957.4	
30 Methylene Chloride	84	3.950	3.950	0.0	97	1289037	202.3	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	95	737189	1768.9	
32 Acrylonitrile	53	4.364	4.364	0.0	98	3760912	1922.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	1402461	208.0	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	94	3082081	205.5	
35 Hexane	86	4.802	4.802	0.0	96	338720	201.8	

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	2672983	212.5	
37 Vinyl acetate	86	5.098	5.098	0.0	97	172523	220.6	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	88	1237051	218.0	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1467540	204.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	98	897389	390.3	
47 Chlorobromomethane	128	5.985	5.985	0.0	96	647678	205.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	583350	364.7	
49 Chloroform	83	6.092	6.092	0.0	96	2340629	211.0	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	95	2080946	220.9	
51 Cyclohexane	56	6.317	6.317	0.0	95	2887601	204.2	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	1817631	216.5	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	2065388	229.4	
54 Isobutyl alcohol	41	6.636	6.636	0.0	93	801196	4844.9	
55 Benzene	78	6.648	6.648	0.0	97	5317035	205.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	1711285	199.7	
58 n-Heptane	100	6.944	6.944	0.0	97	401683	204.7	
60 Trichloroethene	130	7.287	7.287	0.0	96	1529762	204.6	
63 Methylcyclohexane	83	7.465	7.465	0.001	97	2511047	205.1	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	1351741	211.6	
65 Dibromomethane	93	7.607	7.607	0.001	92	614455	206.7	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	166850	3793.5	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	1576818	203.9	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	722192	444.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	90	1748009	200.9	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	1903405	405.7	
72 Toluene	91	8.459	8.458	0.001	97	5515712	205.3	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1331053	202.6	
74 Ethyl methacrylate	69	8.731	8.731	0.0	93	1053721	220.2	
75 1,1,2-Trichloroethane	97	8.814	8.813	0.001	93	798012	197.7	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	1169617	209.8	
76 1,3-Dichloropropane	76	8.956	8.955	0.001	97	1383828	197.6	
78 2-Hexanone	43	9.015	9.015	0.0	99	1113933	397.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1011323	201.4	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	803382	211.6	
82 Chlorobenzene	112	9.666	9.665	0.001	92	3359055	200.8	
83 1,1,1,2-Tetrachloroethane	131	9.737	9.736	0.0	95	1297792	217.6	
84 Ethylbenzene	106	9.760	9.760	0.0	98	1908066	210.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	2324447	211.2	
85 o-Xylene	106	10.186	10.186	0.0	95	2289617	210.5	
86 Styrene	104	10.198	10.198	0.0	90	3608907	223.9	
87 Bromoform	173	10.364	10.364	0.0	97	549668	201.7	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	6515930	208.4	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	908103	201.8	
91 Bromobenzene	156	10.766	10.766	0.0	93	1341686	198.4	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	86	308087	213.8	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	75	280945	186.7	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	1745589	215.8	
95 2-Chlorotoluene	126	10.932	10.932	0.0	97	1465314	208.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	5317122	219.9	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1431423	200.5	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	5006113	208.3	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	5254913	214.1	

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	6887750	198.6	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	2657348	192.6	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	93	5904426	209.3	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	2630685	190.1	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	5005577	206.8	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	2445716	192.0	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	84	161089	197.9	
109 1,2,4-Trichlorobenzene	180	13.286	13.274	0.012	91	1573450	194.5	
110 Hexachlorobutadiene	225	13.417	13.416	0.001	98	815316	198.2	
111 Naphthalene	128	13.476	13.476	0.0	97	3022080	194.5	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	1309648	191.1	
S 137 Trihalomethanes, Total	1				0		817.9	
S 11 1,2-Dichloroethene, Total	96				0		412.5	
S 9 1,3-Dichloropropene, Total	75				0		403.5	
S 114 Xylenes, Total	106				0		421.7	

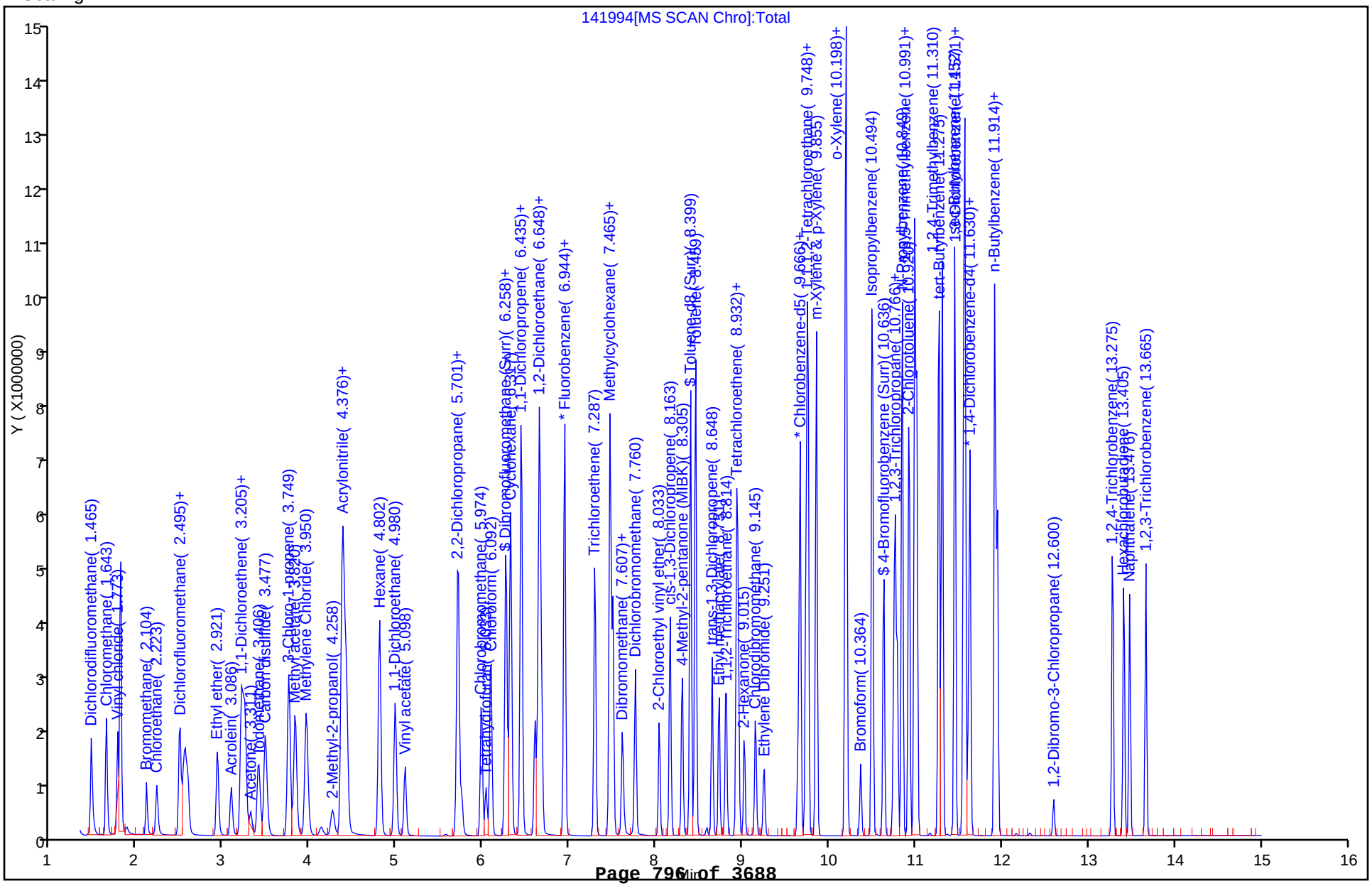
Report Date: 15-Apr-2013 11:38:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141994.D

Injection Date:	14-Apr-2013 10:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141995.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 10:34:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: ic
Misc. Info.: 240-0018847-005 =240-0018847-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 81838 Lims Sample ID: 5
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:30 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:21:47

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	1172345	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	748488	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	353281	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	75	614252	100.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	648546	100.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	2184452	100.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	724875	103.2	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	100	830692	100.4	
13 Chloromethane	50	1.643	1.643	0.0	100	1003802	99.0	
14 Vinyl chloride	62	1.773	1.773	0.0	99	835097	102.2	
15 Bromomethane	94	2.104	2.104	0.0	90	228029	90.8	
16 Chloroethane	64	2.223	2.234	-0.011	97	397629	99.1	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	1038129	97.2	
18 Trichlorofluoromethane	101	2.554	2.554	0.0	100	1017242	103.6	
19 Ethyl ether	59	2.921	2.921	0.0	97	506135	92.7	
20 Acrolein	56	3.086	3.086	0.0	96	448304	975.1	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	642741	106.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	92	558464	102.4	
22 Acetone	43	3.311	3.311	0.0	98	319153	201.8	
24 Iodomethane	142	3.406	3.406	0.0	99	1091341	106.0	
26 Carbon disulfide	76	3.477	3.477	0.0	100	1754705	100.5	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	382286	109.6	
28 Methyl acetate	43	3.820	3.820	0.0	97	1977842	479.1	
30 Methylene Chloride	84	3.950	3.950	0.0	98	664040	101.6	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	94	370593	885.7	
32 Acrylonitrile	53	4.364	4.364	0.0	98	1886900	960.7	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	714579	105.5	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	88	1552662	103.1	
35 Hexane	86	4.802	4.802	0.0	96	170389	101.1	

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	1336590	105.8	
37 Vinyl acetate	86	5.098	5.098	0.0	97	83012	105.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	89	619774	108.8	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	744739	103.4	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	443318	192.0	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	326778	103.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	92	289764	180.4	
49 Chloroform	83	6.092	6.092	0.0	96	1171198	105.1	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	95	996095	105.3	
51 Cyclohexane	56	6.317	6.317	0.0	95	1439685	101.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	88	895831	106.3	
53 Carbon tetrachloride	117	6.435	6.435	0.0	93	988129	109.3	
54 Isobutyl alcohol	41	6.636	6.636	0.0	90	388929	2342.3	
55 Benzene	78	6.648	6.648	0.0	97	2632691	101.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	841483	97.8	
58 n-Heptane	100	6.944	6.944	0.0	96	200419	101.7	
60 Trichloroethene	130	7.287	7.287	0.0	96	756237	100.7	
63 Methylcyclohexane	83	7.465	7.465	0.001	97	1259654	102.5	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	660899	103.0	
65 Dibromomethane	93	7.607	7.607	0.0	95	307083	102.9	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	86890	1967.5	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	740592	96.2	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	346222	212.1	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	833588	96.8	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	926015	204.6	
72 Toluene	91	8.458	8.458	0.0	97	2696528	104.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	602710	96.5	
74 Ethyl methacrylate	69	8.731	8.731	0.0	93	503198	109.0	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	385968	99.1	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	563487	104.8	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	97	672050	99.5	
78 2-Hexanone	43	9.015	9.015	0.0	99	531503	196.5	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	464740	97.5	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	387597	105.8	
82 Chlorobenzene	112	9.665	9.665	0.0	94	1633917	101.2	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	627797	109.1	
84 Ethylbenzene	106	9.760	9.760	0.0	98	920193	105.2	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1125229	106.0	
85 o-Xylene	106	10.186	10.186	0.0	95	1110168	105.8	
86 Styrene	104	10.198	10.198	0.0	92	1716733	110.4	
87 Bromoform	173	10.364	10.364	0.0	97	240743	99.7	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	3147580	104.4	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	440844	104.8	
91 Bromobenzene	156	10.766	10.766	0.0	98	643182	101.7	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	88	138896	103.1	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	79	136042	96.7	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	834650	110.4	
95 2-Chlorotoluene	126	10.920	10.932	-0.012	96	695742	105.9	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	2542979	112.5	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	692014	103.7	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	2391117	106.4	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	2518193	109.7	

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	3307394	102.3	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	1280249	99.3	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	91	2803401	106.3	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	1263351	97.6	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	2383518	105.3	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	1176365	98.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	84	70563	100.4	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	737938	97.6	
110 Hexachlorobutadiene	225	13.405	13.416	-0.011	97	412696	107.3	
111 Naphthalene	128	13.476	13.476	0.0	97	1412773	97.2	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	604008	94.3	
S 137 Trihalomethanes, Total	1				0		398.5	
S 11 1,2-Dichloroethene, Total	96				0		208.9	
S 9 1,3-Dichloropropene, Total	75				0		193.3	
S 114 Xylenes, Total	106				0		211.8	

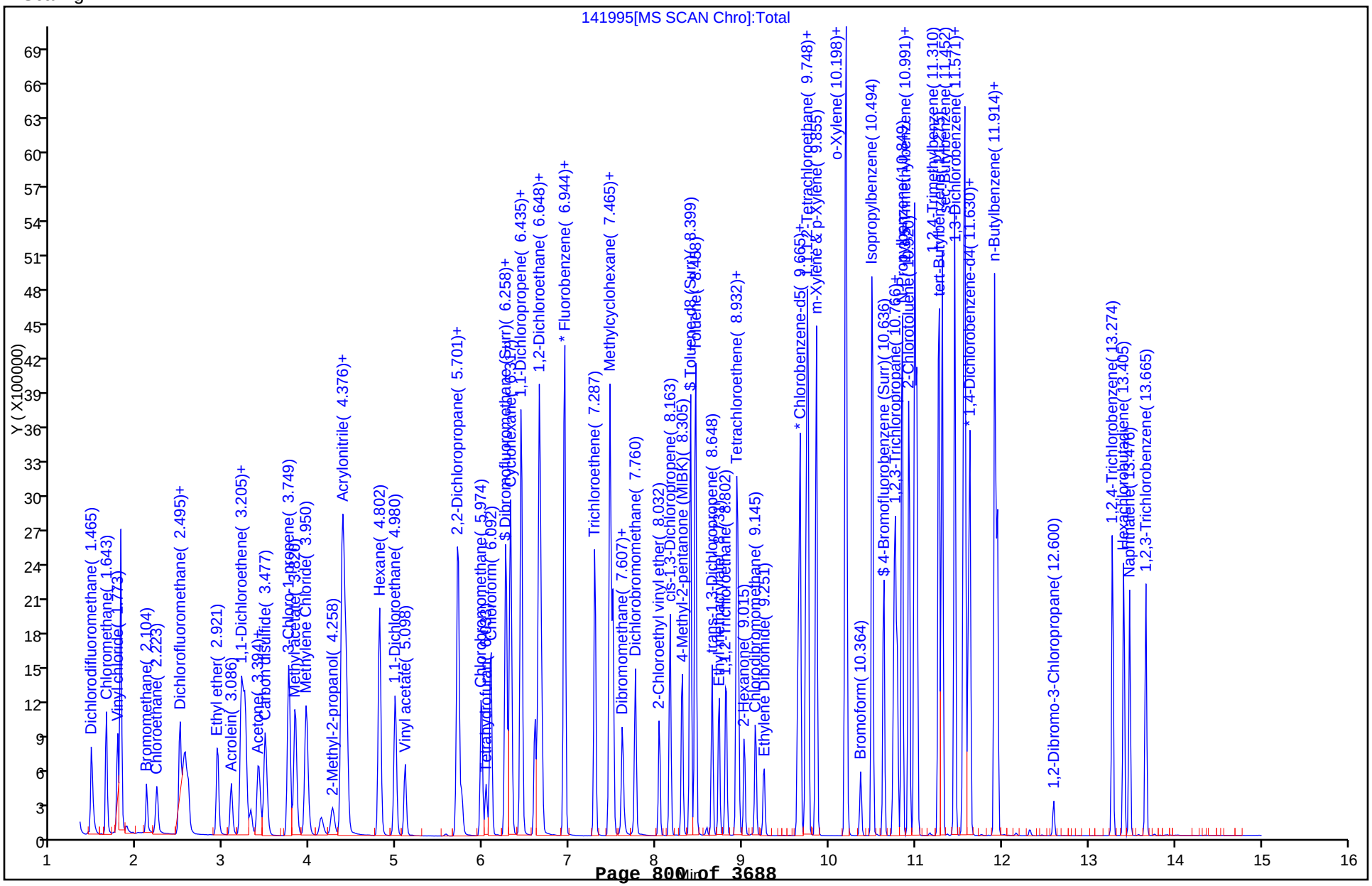
Report Date: 15-Apr-2013 11:38:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141995.D

Injection Date:	14-Apr-2013 10:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141996.D
Lims ID: ICIS Client ID:
Inject. Date: 14-Apr-2013 10:55:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: icis
Misc. Info.: 240-0018847-006 =240-0018847-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 81838 Lims Sample ID: 6
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:31 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:22:31

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	1169660	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	735145	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	356568	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	88	283716	46.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	306748	47.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1003727	46.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	332445	46.9	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	423934	51.3	
13 Chloromethane	50	1.631	1.631	0.0	100	511262	50.5	
14 Vinyl chloride	62	1.761	1.761	0.0	99	418517	51.3	
15 Bromomethane	94	2.104	2.104	0.0	91	122091	48.7	
16 Chloroethane	64	2.223	2.223	0.0	97	191052	47.7	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	98	526150	49.4	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	100	502329	51.3	
19 Ethyl ether	59	2.921	2.921	0.0	96	268840	49.3	
20 Acrolein	56	3.086	3.086	0.0	95	238013	518.9	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	306108	51.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	92	280353	51.5	
22 Acetone	43	3.311	3.311	0.0	98	181138	111.2	
24 Iodomethane	142	3.394	3.394	0.0	99	543851	53.0	
26 Carbon disulfide	76	3.477	3.477	0.0	100	819574	48.4	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	185354	53.3	
28 Methyl acetate	43	3.820	3.820	0.0	97	1067259	259.1	
30 Methylene Chloride	84	3.950	3.950	0.0	97	351661	51.8	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	93	213378	511.1	
32 Acrylonitrile	53	4.364	4.364	0.0	99	1015194	518.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	354969	52.6	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	94	799256	53.2	
35 Hexane	86	4.802	4.802	0.0	96	84492	50.2	

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	663126	52.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	41312	52.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	81	304444	53.6	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	376333	52.4	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	98	240993	104.6	
47 Chlorobromomethane	128	5.974	5.974	0.0	96	168749	53.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	158617	99.0	
49 Chloroform	83	6.092	6.092	0.0	96	584020	52.5	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	96	496777	52.6	
51 Cyclohexane	56	6.317	6.317	0.0	95	722209	51.0	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	88	452519	53.8	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	473485	52.5	
54 Isobutyl alcohol	41	6.636	6.636	0.0	92	209474	1264.5	
55 Benzene	78	6.648	6.648	0.0	97	1331138	51.3	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	432146	50.3	
58 n-Heptane	100	6.944	6.944	0.0	94	99950	50.8	
60 Trichloroethene	130	7.287	7.287	0.0	97	379259	50.6	
63 Methylcyclohexane	83	7.465	7.465	0.0	97	640462	52.2	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	332737	52.0	
65 Dibromomethane	93	7.607	7.607	0.0	96	155773	52.3	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	46452	1054.3	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	351415	46.6	
69 2-Chloroethyl vinyl ether	63	8.033	8.033	0.0	92	171057	105.0	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	393590	47.2	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	490364	110.3	
72 Toluene	91	8.459	8.459	0.0	97	1334716	52.4	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	283144	47.6	
74 Ethyl methacrylate	69	8.731	8.731	0.0	93	249808	55.1	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	95	194807	50.9	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	278656	52.8	
76 1,3-Dichloropropane	76	8.956	8.956	0.0	95	337210	50.8	
78 2-Hexanone	43	9.015	9.015	0.0	99	282070	106.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	215792	47.6	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	195450	54.3	
82 Chlorobenzene	112	9.666	9.666	0.0	92	794174	50.1	
83 1,1,1,2-Tetrachloroethane	131	9.737	9.737	0.0	94	304919	54.0	
84 Ethylbenzene	106	9.760	9.760	0.0	98	453915	52.8	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	544455	52.2	
85 o-Xylene	106	10.186	10.186	0.0	96	552922	53.6	
86 Styrene	104	10.198	10.198	0.0	91	831223	54.4	
87 Bromoform	173	10.364	10.364	0.0	96	106907	48.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1552694	52.4	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	225980	53.2	
91 Bromobenzene	156	10.766	10.766	0.0	92	323112	50.6	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	59	68543	50.4	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	81	71588	50.4	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	406160	53.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	350589	52.9	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	1248094	54.7	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	340082	50.5	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1181144	52.1	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1234396	53.3	

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	1627643	50.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	648743	49.8	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	89	1375328	51.7	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	93	640426	49.0	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1174498	51.4	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	604646	50.3	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	78	35472	52.3	
109 1,2,4-Trichlorobenzene	180	13.286	13.286	0.0	94	385272	50.5	
110 Hexachlorobutadiene	225	13.417	13.417	0.0	98	209444	54.0	
111 Naphthalene	128	13.476	13.476	0.0	97	756634	51.6	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	325694	50.4	
S 137 Trihalomethanes, Total	1				0		195.4	
S 11 1,2-Dichloroethene, Total	96				0		104.9	
S 9 1,3-Dichloropropene, Total	75				0		94.8	
S 114 Xylenes, Total	106				0		105.9	

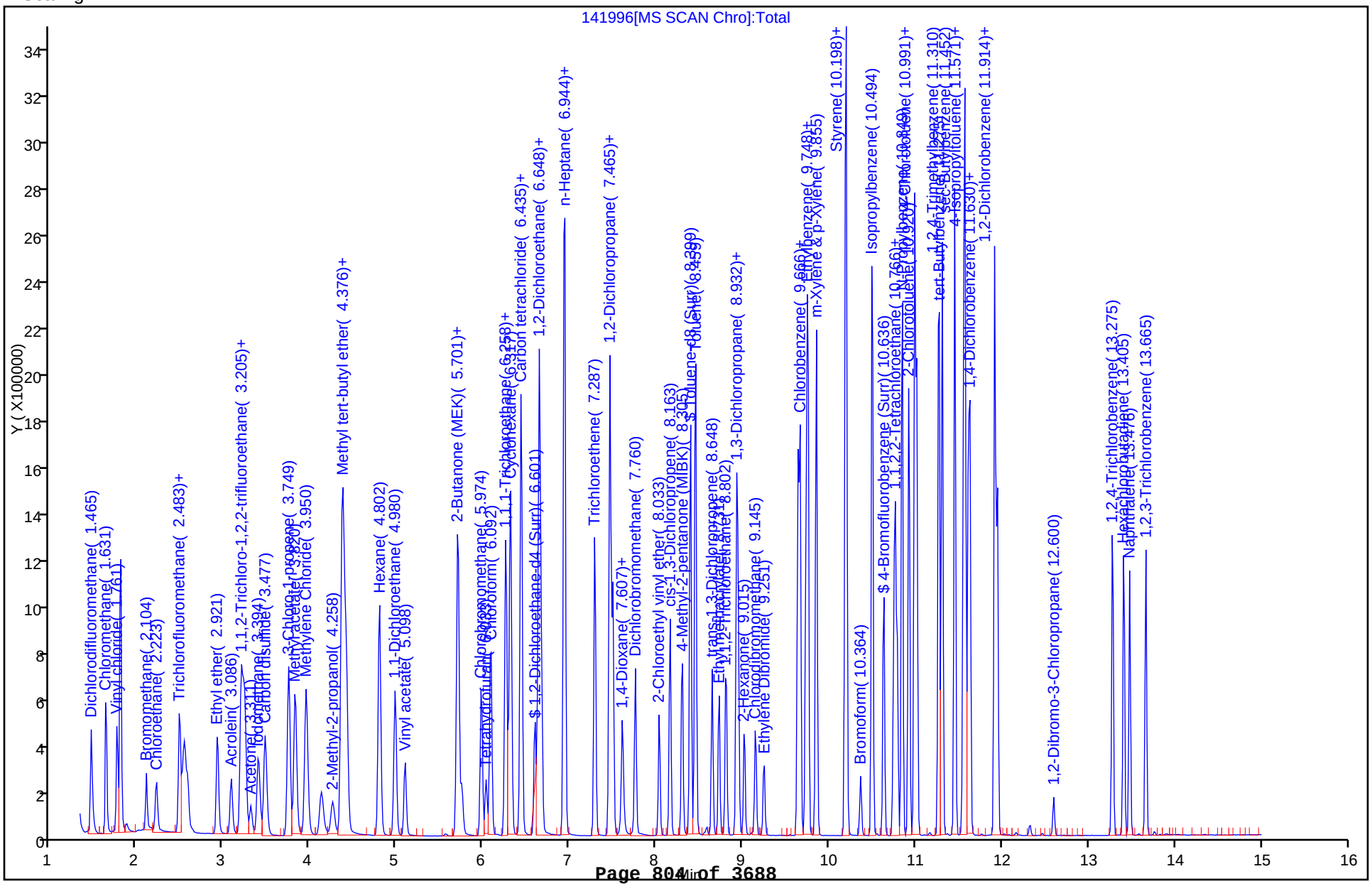
Report Date: 15-Apr-2013 11:38:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141996.D

Injection Date:	14-Apr-2013 10:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141997.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 11:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: ic
Misc. Info.: 240-0018847-007 =240-0018847-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 81838 Lims Sample ID: 7
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:32 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:23:23

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	1165044	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	731970	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	355249	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	80	140609	22.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	155801	22.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	494999	22.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	95	166645	22.2	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	98	166951	20.3	
13 Chloromethane	50	1.631	1.631	0.0	100	203665	20.2	
14 Vinyl chloride	62	1.761	1.761	0.0	98	170025	20.9	
15 Bromomethane	94	2.104	2.104	0.0	90	50480	20.2	
16 Chloroethane	64	2.222	2.223	-0.001	97	80518	20.2	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	98	210320	19.8	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	195290	20.0	
19 Ethyl ether	59	2.921	2.921	0.0	97	105631	19.5	
20 Acrolein	56	3.086	3.086	0.0	98	92213	201.8	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	113224	18.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	93	105856	19.5	
22 Acetone	43	3.311	3.311	0.0	98	73041	40.0	
24 Iodomethane	142	3.406	3.394	0.012	98	206434	20.2	
26 Carbon disulfide	76	3.477	3.477	0.0	100	272405	17.8	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	85	64846	18.7	
28 Methyl acetate	43	3.832	3.820	0.012	97	412399	100.5	
30 Methylene Chloride	84	3.950	3.950	0.0	97	152001	20.0	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	91	89246	214.6	
32 Acrylonitrile	53	4.364	4.364	0.0	97	393202	201.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	137634	20.5	
34 Methyl tert-butyl ether	73	4.411	4.412	-0.001	91	299458	20.0	
35 Hexane	86	4.802	4.802	0.0	95	32010	19.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.980	-0.001	97	246763	19.7	
37 Vinyl acetate	86	5.098	5.098	0.0	97	13173	16.9	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	76	112360	19.8	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	144844	20.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	88780	38.7	
47 Chlorobromomethane	128	5.985	5.974	0.011	96	65632	20.8	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	61985	38.8	
49 Chloroform	83	6.092	6.092	0.0	95	221234	20.0	
50 1,1,1-Trichloroethane	97	6.269	6.258	0.011	96	181607	19.3	
51 Cyclohexane	56	6.317	6.317	0.0	95	274583	19.5	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	173846	20.8	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	164775	18.3	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	88386	535.6	
55 Benzene	78	6.648	6.648	0.0	97	509167	19.7	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	169118	19.8	
58 n-Heptane	100	6.944	6.944	0.0	93	36262	18.5	
60 Trichloroethene	130	7.287	7.287	0.0	97	146031	19.6	
63 Methylcyclohexane	83	7.464	7.465	-0.001	97	241860	19.8	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	92	126608	19.9	
65 Dibromomethane	93	7.606	7.607	-0.001	93	58000	19.6	
66 1,4-Dioxane	88	7.630	7.630	0.0	95	17772	404.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	125524	17.7	
69 2-Chloroethyl vinyl ether	63	8.032	8.033	-0.001	93	66627	41.1	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	88	137559	18.3	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	190467	43.0	
72 Toluene	91	8.458	8.459	-0.001	97	507184	20.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	99582	18.5	
74 Ethyl methacrylate	69	8.731	8.731	-0.001	93	93259	20.7	
75 1,1,2-Trichloroethane	97	8.813	8.802	0.011	93	77969	20.5	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	108082	20.6	
76 1,3-Dichloropropane	76	8.955	8.956	-0.001	96	132187	20.0	
78 2-Hexanone	43	9.014	9.015	-0.001	99	113220	42.8	
79 Chlorodibromomethane	129	9.145	9.145	0.0	88	73892	18.3	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	75220	21.0	
82 Chlorobenzene	112	9.665	9.666	-0.001	92	308640	19.6	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.737	-0.001	94	112507	20.0	
84 Ethylbenzene	106	9.760	9.760	0.0	98	175817	20.6	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	211471	20.4	
85 o-Xylene	106	10.186	10.186	0.0	95	214637	20.9	
86 Styrene	104	10.198	10.198	0.0	92	316740	20.8	
87 Bromoform	173	10.363	10.364	-0.001	96	36275	19.3	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	590507	20.0	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	91354	21.6	
91 Bromobenzene	156	10.766	10.766	0.0	92	131885	20.7	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.790	-0.001	71	27897	20.6	
92 1,2,3-Trichloropropane	110	10.789	10.790	-0.001	83	29078	20.6	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	158383	20.8	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	139379	21.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	476111	20.9	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	134818	20.1	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	449901	19.9	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	483391	21.0	

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	95	618027	19.4	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	268227	20.7	
101 4-Isopropyltoluene	119	11.570	11.571	-0.001	83	529011	20.0	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	93	261531	20.1	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	454559	20.0	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	249885	20.9	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	72	13060	20.1	
109 1,2,4-Trichlorobenzene	180	13.274	13.286	-0.012	95	154783	20.4	
110 Hexachlorobutadiene	225	13.416	13.417	-0.001	97	82687	21.4	
111 Naphthalene	128	13.476	13.476	0.0	97	306952	21.0	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	133136	20.7	
S 137 Trihalomethanes, Total	1				0		75.3	
S 11 1,2-Dichloroethene, Total	96				0		40.7	
S 9 1,3-Dichloropropene, Total	75				0		36.8	
S 114 Xylenes, Total	106				0		41.3	

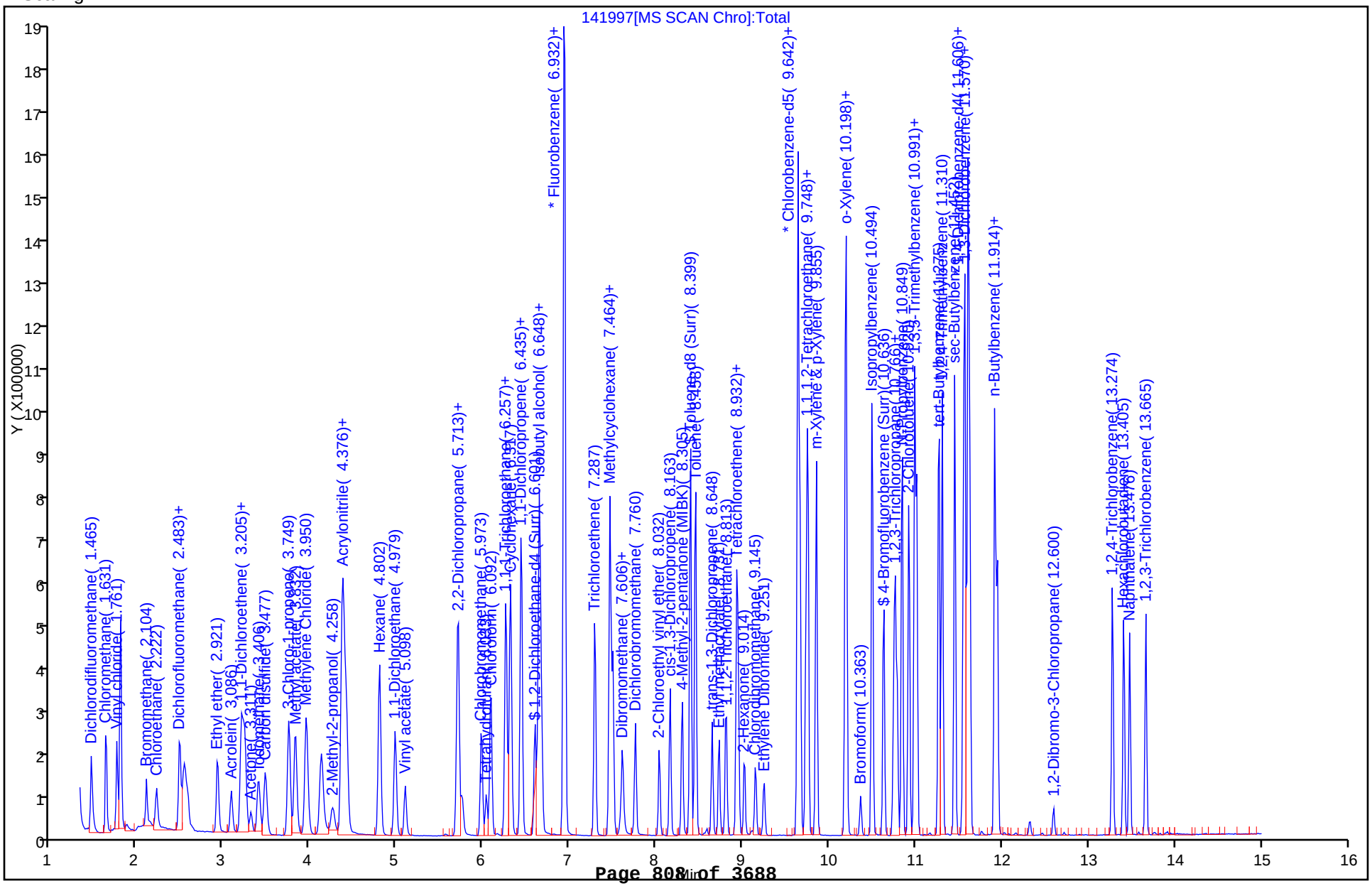
Report Date: 15-Apr-2013 11:38:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141997.D

Injection Date:	14-Apr-2013 11:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141998.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 11:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: ic
Misc. Info.: 240-0018847-008 =240-0018847-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 81838 Lims Sample ID: 8
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:33 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:24:07

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	1152225	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	724730	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	351501	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	63	66146	9.80	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	76204	9.45	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	238268	9.89	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	81092	9.13	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	98	87141	10.7	
13 Chloromethane	50	1.631	1.631	0.0	99	104740	10.5	
14 Vinyl chloride	62	1.761	1.761	0.0	99	86867	10.8	
15 Bromomethane	94	2.104	2.104	0.0	88	24678	10.0	
16 Chloroethane	64	2.223	2.223	0.0	95	40020	10.1	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	96	109990	10.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	97	98868	10.2	
19 Ethyl ether	59	2.921	2.921	0.0	98	56902	10.6	
20 Acrolein	56	3.086	3.086	0.0	96	46778	103.5	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	62127	10.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	92	54668	10.2	
22 Acetone	43	3.311	3.311	0.0	96	44903	21.7	
24 Iodomethane	142	3.394	3.394	0.0	99	104142	10.3	
26 Carbon disulfide	76	3.477	3.477	0.0	100	125933	9.66	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	84	30659	8.95	
28 Methyl acetate	43	3.820	3.820	0.0	97	208994	51.5	
30 Methylene Chloride	84	3.950	3.950	0.0	98	92655	10.6	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	91	43977	106.9	
32 Acrylonitrile	53	4.364	4.364	0.0	99	200427	103.8	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	69765	10.5	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	91	154128	10.4	
35 Hexane	86	4.802	4.802	0.0	96	16755	10.1	

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	128222	10.3	
37 Vinyl acetate	86	5.098	5.098	0.0	97	7583	9.83	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	77	51175	9.14	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	72087	10.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	97	47410	20.9	
47 Chlorobromomethane	128	5.974	5.974	0.0	95	32648	10.5	
48 Tetrahydrofuran	42	6.033	6.033	0.0	88	31206	19.8	
49 Chloroform	83	6.092	6.092	0.0	96	113388	10.4	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	91	88341	9.50	
51 Cyclohexane	56	6.317	6.317	0.0	95	141832	10.2	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	88194	10.6	
53 Carbon tetrachloride	117	6.435	6.435	0.0	82	78343	8.82	
54 Isobutyl alcohol	41	6.636	6.636	0.0	89	44870	275.0	
55 Benzene	78	6.648	6.648	0.0	97	265779	10.4	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	85671	10.1	
58 n-Heptane	100	6.944	6.944	0.0	92	19360	10.0	
60 Trichloroethene	130	7.287	7.287	0.0	95	77847	10.5	
63 Methylcyclohexane	83	7.465	7.465	0.0	96	121779	10.1	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	89	64830	10.3	
65 Dibromomethane	93	7.607	7.607	0.0	95	28763	9.81	
66 1,4-Dioxane	88	7.630	7.630	0.0	89	9036	208.2	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	59058	9.26	
69 2-Chloroethyl vinyl ether	63	8.033	8.033	0.0	92	30821	19.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	83	63661	9.94	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	88416	20.2	
72 Toluene	91	8.459	8.459	0.0	97	255478	10.2	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	97	43936	9.75	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	41725	9.33	
75 1,1,2-Trichloroethane	97	8.814	8.802	0.012	94	37305	9.89	
77 Tetrachloroethene	164	8.932	8.932	0.0	96	54913	10.5	
76 1,3-Dichloropropane	76	8.956	8.956	0.0	96	67431	10.3	
78 2-Hexanone	43	9.015	9.015	0.0	98	52910	20.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	32339	9.75	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	36002	10.2	
82 Chlorobenzene	112	9.666	9.666	0.0	92	158446	10.1	
83 1,1,1,2-Tetrachloroethane	131	9.737	9.737	-0.001	91	51267	9.20	
84 Ethylbenzene	106	9.760	9.760	0.0	98	87107	10.3	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	101974	9.92	
85 o-Xylene	106	10.186	10.186	0.0	95	106066	10.4	
86 Styrene	104	10.198	10.198	0.0	88	150987	10.0	
87 Bromoform	173	10.364	10.364	0.0	94	14970	10.2	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	286680	9.82	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	96	43865	10.5	
91 Bromobenzene	156	10.766	10.766	0.0	92	66307	10.5	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	67	12965	9.67	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	79	13906	9.93	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	76589	10.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	68319	10.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	227324	10.1	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	68122	10.3	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	213938	9.57	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	232526	10.2	

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	300567	9.82	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	91	129984	10.1	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	91	250252	9.54	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	90	127621	9.91	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	214660	9.54	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	119984	10.1	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	58	5507	8.90	
109 1,2,4-Trichlorobenzene	180	13.275	13.286	-0.011	94	73296	9.74	
110 Hexachlorobutadiene	225	13.417	13.417	0.0	97	41142	10.8	
111 Naphthalene	128	13.476	13.476	0.0	97	143033	9.89	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	64118	10.1	
S 137 Trihalomethanes, Total	1				0		39.6	
S 11 1,2-Dichloroethene, Total	96				0		20.7	
S 9 1,3-Dichloropropene, Total	75				0		19.7	
S 114 Xylenes, Total	106				0		20.4	

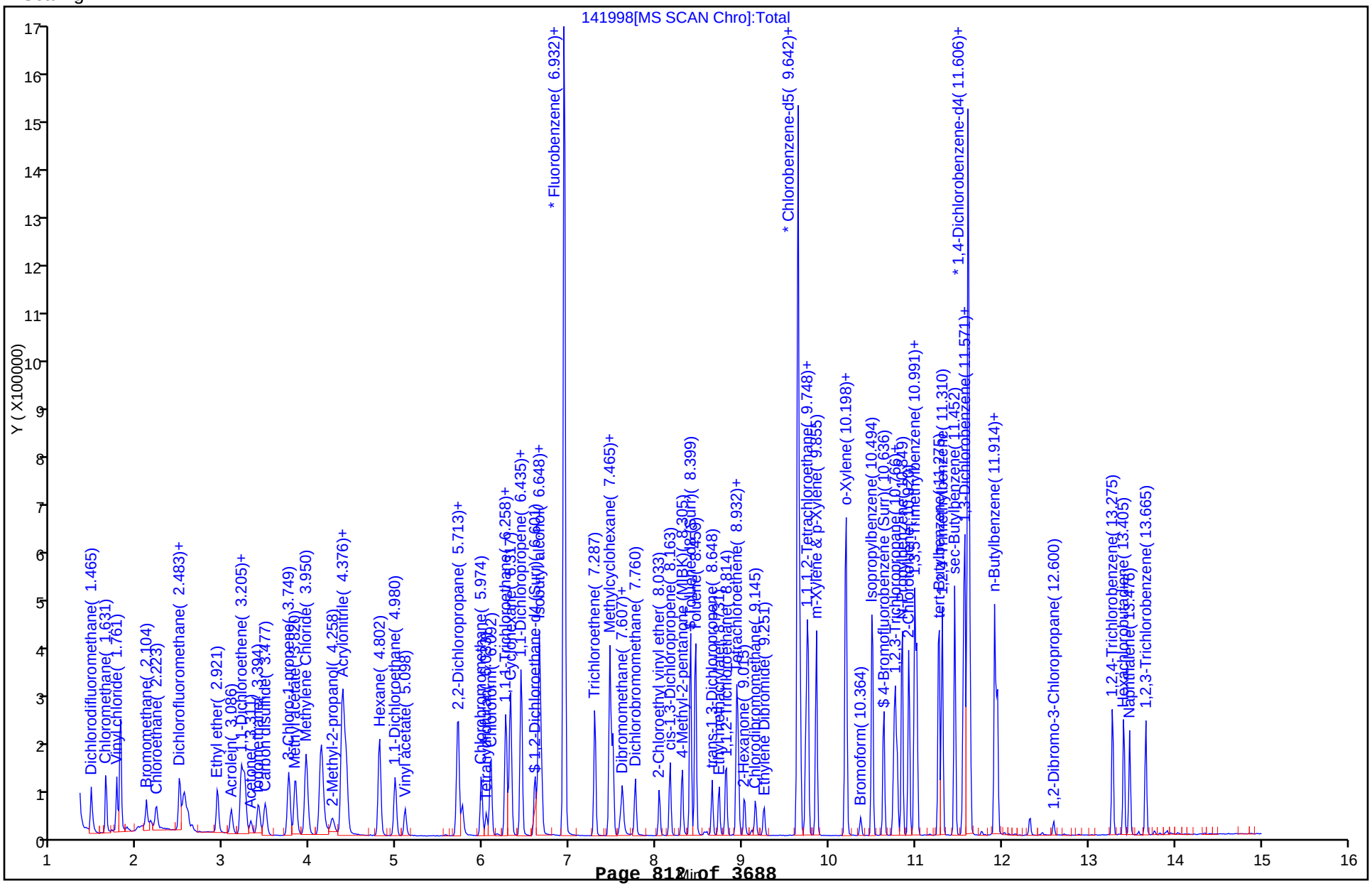
Report Date: 15-Apr-2013 11:38:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141998.D

Injection Date:	14-Apr-2013 11:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\141999.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 12:00:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: ic
Misc. Info.: 240-0018847-009 =240-0018847-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 81838 Lims Sample ID: 9
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:34 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:25:02

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	1196350	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	757051	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	371757	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	69	43393	5.61	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	51677	4.94	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	94	160058	5.79	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	56963	4.83	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	98	46602	5.52	
13 Chloromethane	50	1.631	1.631	0.0	100	56580	5.47	
14 Vinyl chloride	62	1.761	1.761	0.0	98	45103	5.41	
15 Bromomethane	94	2.104	2.104	0.0	88	14753	5.76	
16 Chloroethane	64	2.223	2.223	0.0	96	22232	5.43	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	98	57293	5.26	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	94	51091	5.10	
19 Ethyl ether	59	2.921	2.921	0.0	94	26825	4.81	
20 Acrolein	56	3.086	3.086	0.0	95	23235	49.5	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	28386	4.63	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	88	26563	4.77	
22 Acetone	43	3.311	3.311	0.0	92	25742	8.20	
24 Iodomethane	142	3.394	3.394	0.0	99	51018	4.86	
26 Carbon disulfide	76	3.477	3.477	0.0	99	59620	5.77	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	80	14409	4.05	
28 Methyl acetate	43	3.820	3.820	0.0	97	104264	24.8	
30 Methylene Chloride	84	3.950	3.950	0.0	98	57432	4.51	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	83	22209	52.0	
32 Acrylonitrile	53	4.364	4.364	0.0	97	96581	48.2	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	34564	5.00	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	89	74224	4.83	
35 Hexane	86	4.802	4.802	0.0	96	8510	4.95	

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	62852	4.88	
37 Vinyl acetate	86	5.098	5.098	0.0	97	3367	4.20	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	72	24665	4.24	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	35091	4.77	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	92	23054	9.79	
47 Chlorobromomethane	128	5.985	5.974	0.011	93	14711	4.54	
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	16119	9.83	
49 Chloroform	83	6.092	6.092	0.0	95	53707	4.72	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	90	40307	4.18	
51 Cyclohexane	56	6.317	6.317	0.0	95	69218	4.78	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	44367	5.16	
53 Carbon tetrachloride	117	6.435	6.435	0.0	77	36603	3.97	
54 Isobutyl alcohol	41	6.636	6.636	0.0	87	21236	125.3	
55 Benzene	78	6.648	6.648	0.0	98	131711	4.96	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	91	42953	4.89	
58 n-Heptane	100	6.944	6.944	0.0	85	9858	4.90	
60 Trichloroethene	130	7.287	7.287	0.0	94	37177	4.85	
63 Methylcyclohexane	83	7.465	7.465	0.0	96	56593	4.51	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	31392	4.80	
65 Dibromomethane	93	7.607	7.607	0.0	91	15078	4.95	
66 1,4-Dioxane	88	7.630	7.630	0.0	78	3970	88.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	94	24826	4.69	
69 2-Chloroethyl vinyl ether	63	8.033	8.033	0.0	87	15274	9.17	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	81	28409	5.76	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	42089	9.19	
72 Toluene	91	8.459	8.459	0.0	97	128271	4.89	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	97	20003	5.76	
74 Ethyl methacrylate	69	8.731	8.731	0.0	89	21368	4.58	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	94	19857	5.04	
77 Tetrachloroethene	164	8.932	8.932	0.0	95	26466	4.87	
76 1,3-Dichloropropane	76	8.956	8.956	0.0	97	34541	5.06	
78 2-Hexanone	43	9.015	9.015	0.0	94	26136	9.55	
79 Chlorodibromomethane	129	9.145	9.145	0.0	83	14023	5.78	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	16995	4.59	
82 Chlorobenzene	112	9.665	9.666	-0.001	92	81793	5.01	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.737	-0.001	89	22466	3.86	
84 Ethylbenzene	106	9.760	9.760	0.0	98	43816	4.95	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	48995	4.56	
85 o-Xylene	106	10.186	10.186	0.0	94	51537	4.86	
86 Styrene	104	10.198	10.198	0.0	90	70655	4.49	
87 Bromoform	173	10.364	10.364	0.0	90	6794	6.49	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	136613	4.48	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	94	20638	4.66	
91 Bromobenzene	156	10.766	10.766	0.0	91	32649	4.91	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	44	6779	4.78	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	65	6754	4.56	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	37994	4.78	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	33956	4.91	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	110466	4.64	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	32528	4.63	
97 tert-Butylbenzene	119	11.275	11.275	0.0	92	101228	4.28	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	113394	4.70	

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	142647	4.70	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	85	68914	5.08	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	73	119110	4.29	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	89	68182	5.01	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	107442	4.51	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	61876	4.94	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	43	2518	4.10	
109 1,2,4-Trichlorobenzene	180	13.275	13.286	-0.011	94	37969	4.77	
110 Hexachlorobutadiene	225	13.417	13.417	0.0	95	19621	4.85	
111 Naphthalene	128	13.476	13.476	0.0	96	70127	4.59	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	94	31946	4.74	
S 137 Trihalomethanes, Total	1				0		21.7	
S 11 1,2-Dichloroethene, Total	96				0		9.78	
S 9 1,3-Dichloropropene, Total	75				0		11.5	
S 114 Xylenes, Total	106				0		9.42	

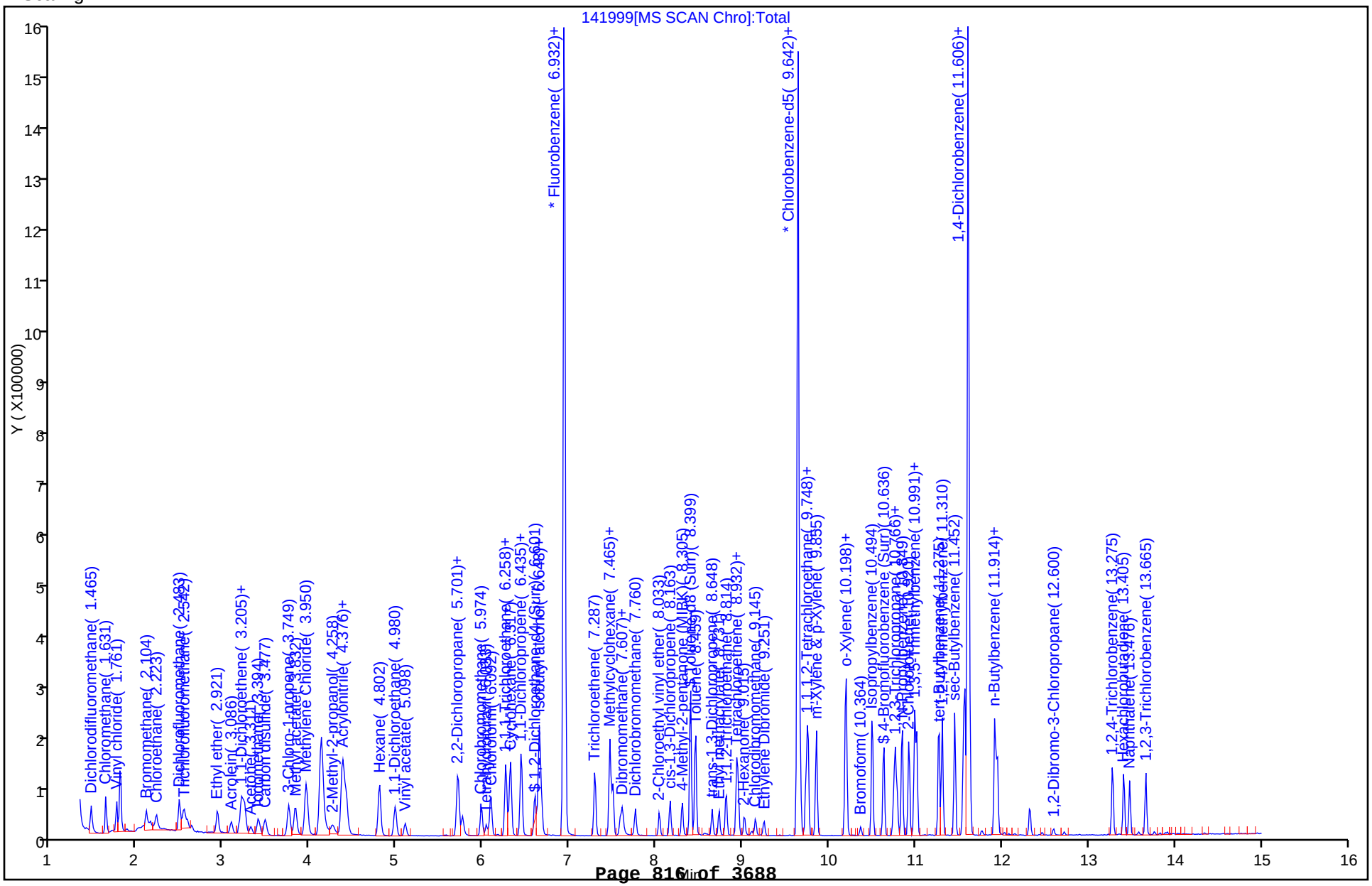
Report Date: 15-Apr-2013 11:38:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\141999.D

Injection Date:	14-Apr-2013 12:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\142000.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 12:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: ic
Misc. Info.: 240-0018847-010 =240-0018847-010
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 81838 Lims Sample ID: 10
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:34 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:25:43

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	1142073	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	695200	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	348905	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	56	20390	1.95	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	28090	1.26	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	77762	2.30	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	93	29067	0.9280	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	92	12006	1.49	
13 Chloromethane	50	1.631	1.631	0.0	86	18307	1.85	
14 Vinyl chloride	62	1.761	1.761	0.0	97	13465	1.69	
15 Bromomethane	94	2.104	2.104	0.0	85	5097	2.08	
16 Chloroethane	64	2.223	2.223	0.0	78	7697	1.97	
17 Dichlorofluoromethane	67	2.495	2.483	0.012	76	19689	1.89	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	89	13860	1.45	
19 Ethyl ether	59	2.921	2.921	0.0	90	10812	2.03	
20 Acrolein	56	3.086	3.086	0.0	84	8512	19.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	90	8867	1.51	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	67	5698	1.07	
22 Acetone	43	3.311	3.311	0.0	94	12817	0.2559	
24 Iodomethane	142	3.394	3.394	0.0	97	17584	1.75	
26 Carbon disulfide	76	3.477	3.477	0.0	95	15823	3.41	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	79	4535	1.33	
28 Methyl acetate	43	3.832	3.820	0.012	96	40568	10.1	
30 Methylene Chloride	84	3.950	3.950	0.0	98	41227	2.28	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	75	7785	19.1	
32 Acrylonitrile	53	4.364	4.364	0.0	98	36979	19.3	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	10872	1.65	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	83	26009	1.77	
35 Hexane	86	4.790	4.802	-0.012	92	1862	1.13	

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	91	20258	1.65	
37 Vinyl acetate	86	5.098	5.098	0.0	96	1113	1.46	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	58	8220	1.48	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	82	13104	1.87	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	35	9126	4.06	
47 Chlorobromomethane	128	5.985	5.974	0.011	88	5670	1.83	
48 Tetrahydrofuran	42	6.045	6.033	0.012	88	6669	4.26	
49 Chloroform	83	6.092	6.092	0.0	94	18639	1.72	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	76	11263	1.22	
51 Cyclohexane	56	6.317	6.317	0.0	92	14914	1.08	
52 1,1-Dichloropropene	75	6.447	6.435	0.012	84	12171	1.48	
53 Carbon tetrachloride	117	6.435	6.435	0.0	76	8636	0.9808	
54 Isobutyl alcohol	41	6.636	6.636	0.0	53	6754	41.8	
55 Benzene	78	6.648	6.648	0.0	95	45978	1.81	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	84	15960	1.90	
58 n-Heptane	100	6.944	6.944	0.0	37	2070	1.08	
60 Trichloroethene	130	7.287	7.287	0.0	87	13233	1.81	
63 Methylcyclohexane	83	7.465	7.465	0.0	92	12551	1.05	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	84	11346	1.82	
65 Dibromomethane	93	7.607	7.607	0.0	81	5478	1.88	
66 1,4-Dioxane	88	7.630	7.630	0.0	55	1524	35.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	87	7928	2.62	
69 2-Chloroethyl vinyl ether	63	8.033	8.033	0.0	77	4827	3.04	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	66	8907	3.65	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	93	15233	3.62	
72 Toluene	91	8.459	8.459	-0.001	95	43022	1.79	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	84	6132	3.71	
74 Ethyl methacrylate	69	8.731	8.731	0.0	86	6904	1.61	
75 1,1,2-Trichloroethane	97	8.813	8.802	0.011	84	7219	2.00	
77 Tetrachloroethene	164	8.932	8.932	0.0	94	7817	1.57	
76 1,3-Dichloropropane	76	8.955	8.956	-0.001	92	11719	1.87	
78 2-Hexanone	43	9.026	9.015	0.011	93	8899	3.54	
79 Chlorodibromomethane	129	9.145	9.145	0.0	67	3756	3.78	
123 Ethylene Dibromide	107	9.251	9.251	0.0	82	6042	1.78	
82 Chlorobenzene	112	9.665	9.666	-0.001	91	28924	1.93	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.737	-0.001	77	6783	1.27	
84 Ethylbenzene	106	9.760	9.760	0.0	98	13822	1.70	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	17465	1.77	
85 o-Xylene	106	10.186	10.186	0.0	94	16179	1.66	
86 Styrene	104	10.198	10.198	0.0	87	23763	1.65	
87 Bromoform	173	10.364	10.364	0.0	60	2060	4.58	
88 Isopropylbenzene	105	10.494	10.494	0.0	95	41635	1.49	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	72	6996	1.68	
91 Bromobenzene	156	10.766	10.766	0.0	94	10695	1.71	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	26	2265	1.70	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	62	2421	1.74	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	10865	1.46	
95 2-Chlorotoluene	126	10.920	10.920	0.0	94	10616	1.64	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	33836	1.52	
104 4-Chlorotoluene	126	11.014	11.014	0.0	94	11954	1.81	
97 tert-Butylbenzene	119	11.275	11.275	0.0	90	29388	1.32	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	75	36888	1.63	

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	92	39629	1.77	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	80	24023	1.89	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	55	34879	1.34	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	80	24846	1.94	
105 n-Butylbenzene	91	11.914	11.914	0.0	96	30402	1.36	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	95	23313	1.98	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	4	961	1.91	
109 1,2,4-Trichlorobenzene	180	13.274	13.286	-0.012	91	15203	2.04	
110 Hexachlorobutadiene	225	13.416	13.417	-0.001	84	6119	1.61	
111 Naphthalene	128	13.476	13.476	0.0	95	29201	2.04	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	92	13585	2.15	
S 137 Trihalomethanes, Total	1				0		12.7	
S 11 1,2-Dichloroethene, Total	96				0		3.52	
S 9 1,3-Dichloropropene, Total	75				0		7.36	
S 114 Xylenes, Total	106				0		3.43	

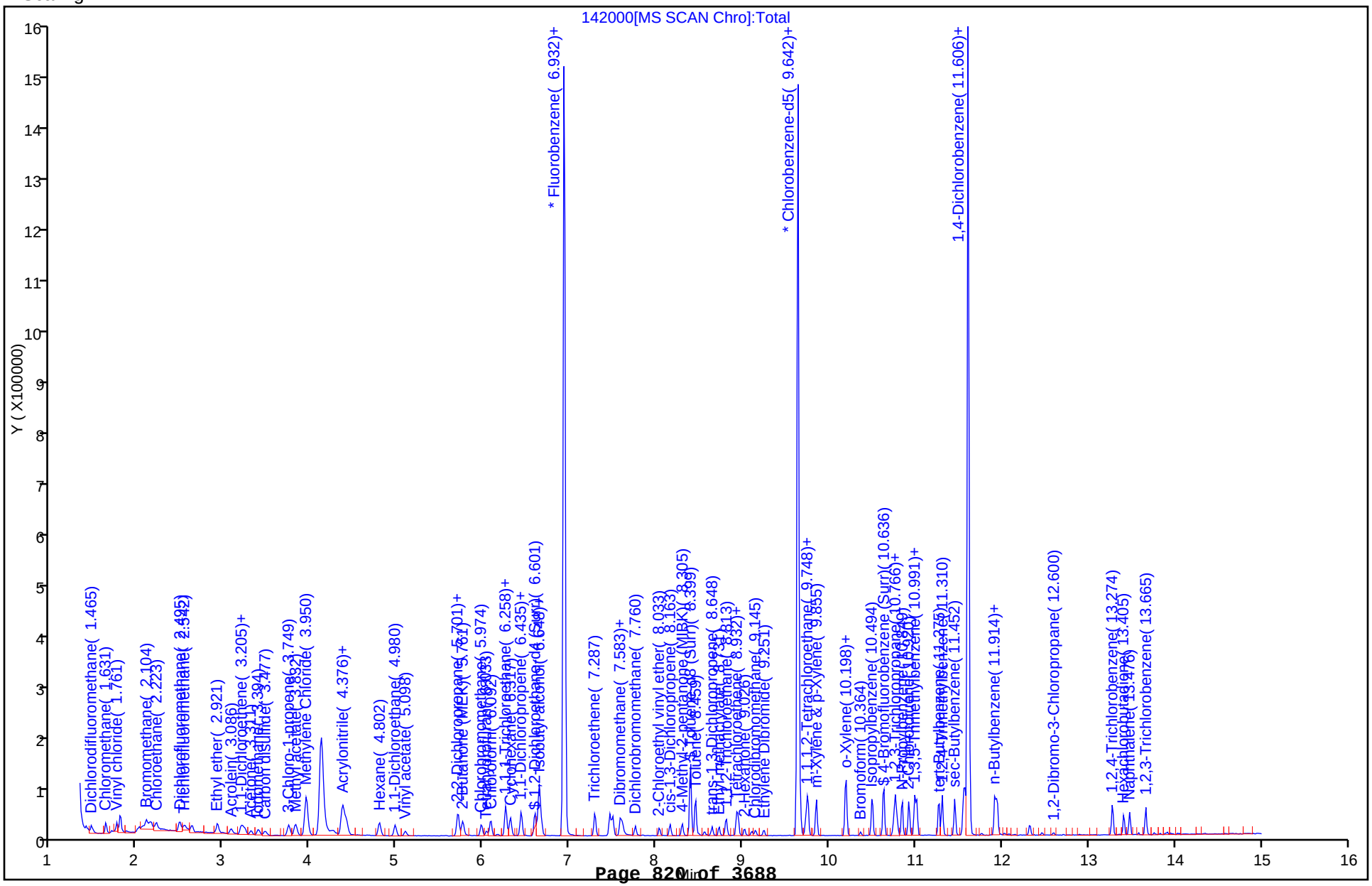
Report Date: 15-Apr-2013 11:38:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142000.D

Injection Date:	14-Apr-2013 12:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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\20130414-18847.b\142001.D
Lims ID: IC Client ID:
Inject. Date: 14-Apr-2013 12:43:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: ic
Misc. Info.: 240-0018847-011 =240-0018847-011
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 81838 Lims Sample ID: 11
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:35 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 15-Apr-2013 09:27:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1149532	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	710424	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	353307	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	54	15687	1.11	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	20862	-0.0200	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	62984	1.49	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	91	23456	-0.0203	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	82	5043	0.6215	
13 Chloromethane	50	1.631	1.631	0.0	99	9821	0.9877	
14 Vinyl chloride	62	1.761	1.761	0.0	68	6975	0.8703	
15 Bromomethane	94	2.104	2.104	0.0	84	3519	1.43	
16 Chloroethane	64	2.222	2.223	-0.001	68	3667	0.9317	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	80	10454	1.00	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	65	6789	0.7052	
19 Ethyl ether	59	2.932	2.921	0.011	89	6548	1.22	
20 Acrolein	56	3.086	3.086	0.0	76	4846	10.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	86	4608	0.7815	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	53	3897	0.7285	
22 Acetone	43	3.323	3.311	0.012	86	11214	-0.8770	
24 Iodomethane	142	3.406	3.394	0.012	87	9067	0.8984	
26 Carbon disulfide	76	3.477	3.477	0.0	88	8352	2.98	
29 3-Chloro-1-propene	76	3.761	3.749	0.012	73	2303	0.6735	
28 Methyl acetate	43	3.832	3.820	0.012	97	20919	5.17	
30 Methylene Chloride	84	3.950	3.950	0.0	97	39788	2.01	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	71	4653	11.3	
32 Acrylonitrile	53	4.364	4.364	0.0	100	21007	10.9	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	6350	0.9565	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	85	14004	0.9484	
35 Hexane	86	4.802	4.802	0.0	93	1497	0.9059	

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	73	11980	0.9675	
37 Vinyl acetate	86	5.122	5.098	0.024	77	747	0.9703	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	48	4207	0.7530	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	72	6906	0.9777	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	23	7231	3.19	
47 Chlorobromomethane	128	5.973	5.974	-0.001	86	2946	0.9472	
48 Tetrahydrofuran	42	6.044	6.033	0.011	89	3921	2.49	
49 Chloroform	83	6.092	6.092	0.0	89	10446	0.9563	
50 1,1,1-Trichloroethane	97	6.257	6.258	-0.001	64	6073	0.6548	
51 Cyclohexane	56	6.317	6.317	0.0	90	9281	0.6666	
52 1,1-Dichloropropene	75	6.447	6.435	0.012	81	7011	0.8482	
53 Carbon tetrachloride	117	6.447	6.435	0.012	64	5104	0.5759	
54 Isobutyl alcohol	41	6.636	6.636	0.0	45	4308	26.5	
55 Benzene	78	6.648	6.648	0.0	96	25882	1.01	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	93	9097	1.08	
58 n-Heptane	100	6.944	6.944	0.0	36	1380	0.7142	
60 Trichloroethene	130	7.299	7.287	0.012	87	7694	1.05	
63 Methylcyclohexane	83	7.464	7.465	-0.001	90	8442	0.7005	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	83	5828	0.9266	
65 Dibromomethane	93	7.606	7.607	-0.001	82	2811	0.9606	
66 1,4-Dioxane	88	7.642	7.630	0.012	42	1047	24.2	
67 Dichlorobromomethane	83	7.760	7.760	0.0	76	4371	2.15	
69 2-Chloroethyl vinyl ether	63	8.032	8.033	-0.001	65	2930	1.83	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	59	4609	3.15	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	83	7791	1.81	
72 Toluene	91	8.458	8.459	-0.001	93	24389	0.99	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	77	3273	3.22	
74 Ethyl methacrylate	69	8.731	8.731	0.0	67	3892	0.8882	
75 1,1,2-Trichloroethane	97	8.813	8.802	0.011	66	3688	1.00	
77 Tetrachloroethene	164	8.932	8.932	0.0	91	5080	1.00	
76 1,3-Dichloropropane	76	8.955	8.956	-0.001	80	6632	1.03	
78 2-Hexanone	43	9.026	9.015	0.011	87	5117	1.99	
79 Chlorodibromomethane	129	9.145	9.145	0.0	38	2388	3.47	
123 Ethylene Dibromide	107	9.251	9.251	0.0	58	3037	0.8738	
82 Chlorobenzene	112	9.665	9.666	-0.001	89	15945	1.04	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.737	-0.001	68	4003	0.7330	
84 Ethylbenzene	106	9.760	9.760	0.0	96	7679	0.9250	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	96	10194	1.01	
85 o-Xylene	106	10.186	10.186	0.0	92	9226	0.9262	
86 Styrene	104	10.198	10.198	0.0	82	12111	0.8206	
87 Bromoform	173	10.363	10.364	-0.001	33	1184	4.17	
88 Isopropylbenzene	105	10.505	10.494	0.011	88	23825	0.8322	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	60	3794	0.9016	
91 Bromobenzene	156	10.766	10.766	0.0	84	6518	1.03	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.790	-0.001	27	1229	0.9123	
92 1,2,3-Trichloropropane	110	10.789	10.790	-0.001	55	1818	1.29	
94 N-Propylbenzene	120	10.849	10.849	0.0	93	6889	0.9111	
95 2-Chlorotoluene	126	10.920	10.920	0.0	92	5802	0.8827	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	89	18960	0.8388	
104 4-Chlorotoluene	126	11.014	11.014	0.0	95	7058	1.06	
97 tert-Butylbenzene	119	11.275	11.275	0.0	82	16947	0.7541	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	69	19712	0.8590	

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	85	21875	1.20	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	76	13585	1.05	
101 4-Isopropyltoluene	119	11.570	11.571	-0.001	47	18047	0.6844	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	81	15124	1.17	
105 n-Butylbenzene	91	11.914	11.914	0.0	94	18422	0.8141	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	88	12486	1.05	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	1	535	1.24	
109 1,2,4-Trichlorobenzene	180	13.286	13.286	0.0	80	8575	1.13	
110 Hexachlorobutadiene	225	13.416	13.417	-0.001	71	3829	1.00	
111 Naphthalene	128	13.476	13.476	0.0	93	15763	1.08	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	84	7110	1.11	
S 137 Trihalomethanes, Total	1				0		10.7	
S 11 1,2-Dichloroethene, Total	96				0		1.93	
S 9 1,3-Dichloropropene, Total	75				0		6.37	
S 114 Xylenes, Total	106				0		1.94	

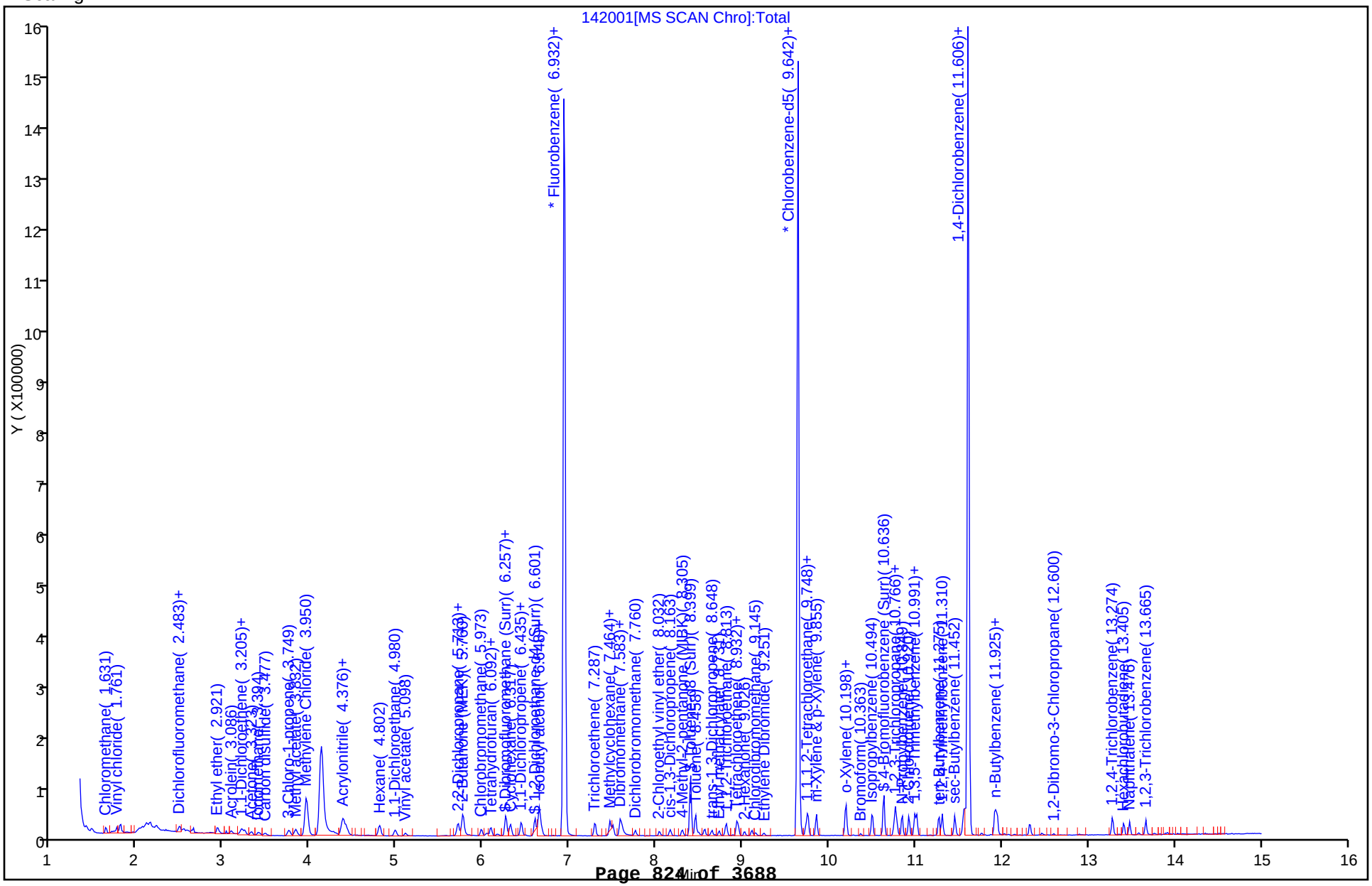
Report Date: 15-Apr-2013 11:38:35 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D

Injection Date:	14-Apr-2013 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	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.: 240-22804-1

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.: 240-22804-1

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	

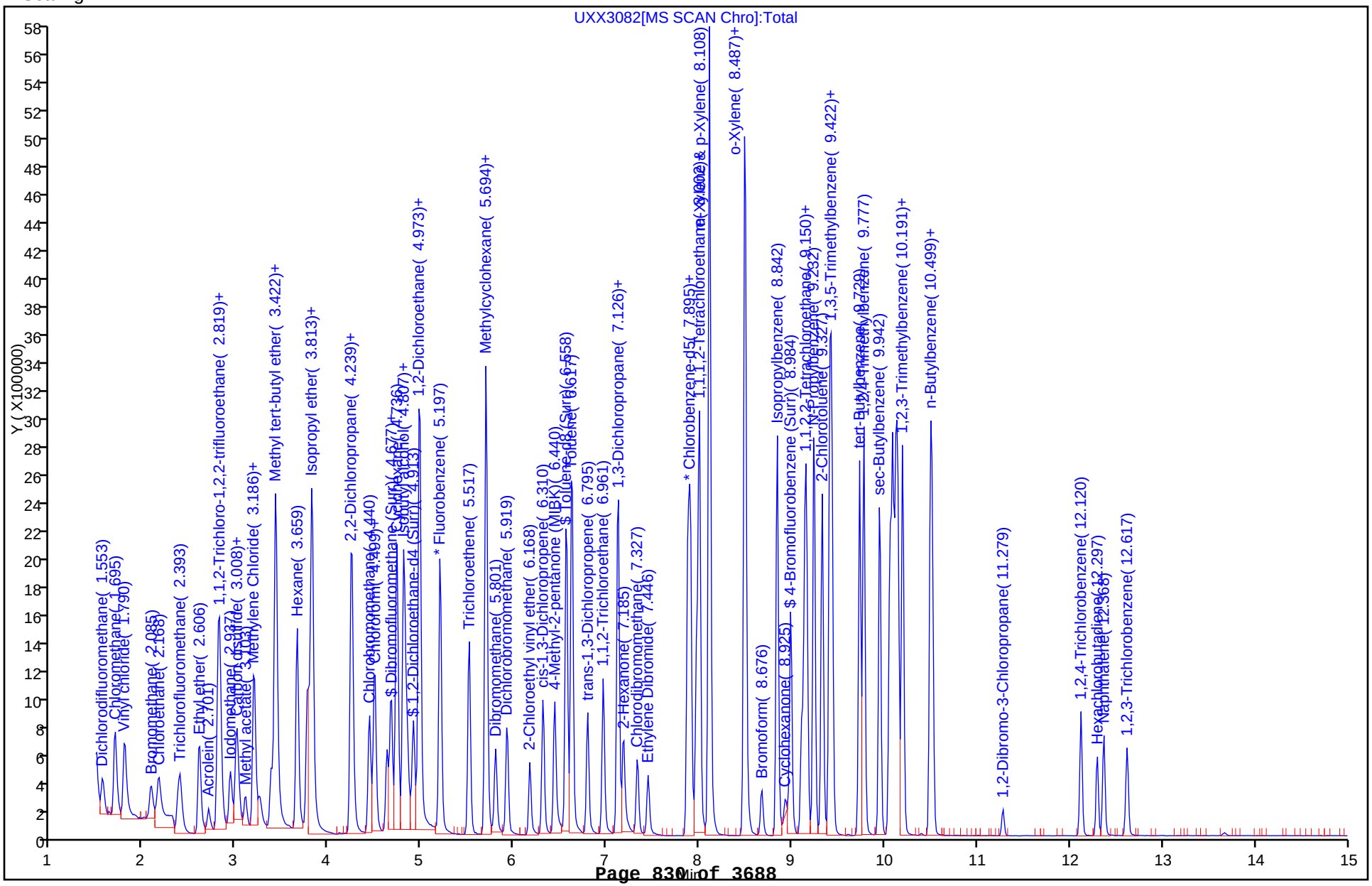
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22804-1

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	

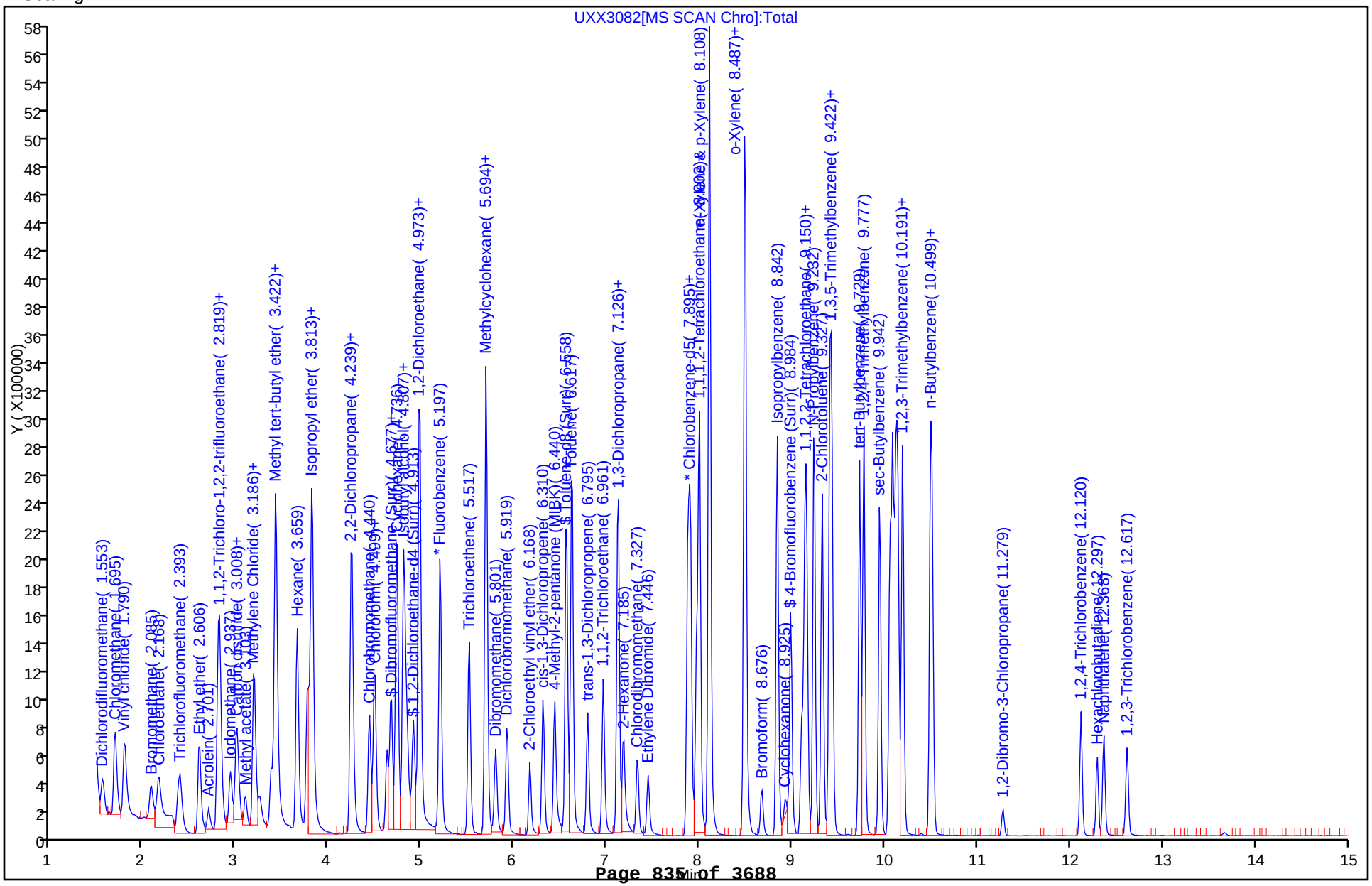
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22804-1

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.: 240-22804-1

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	

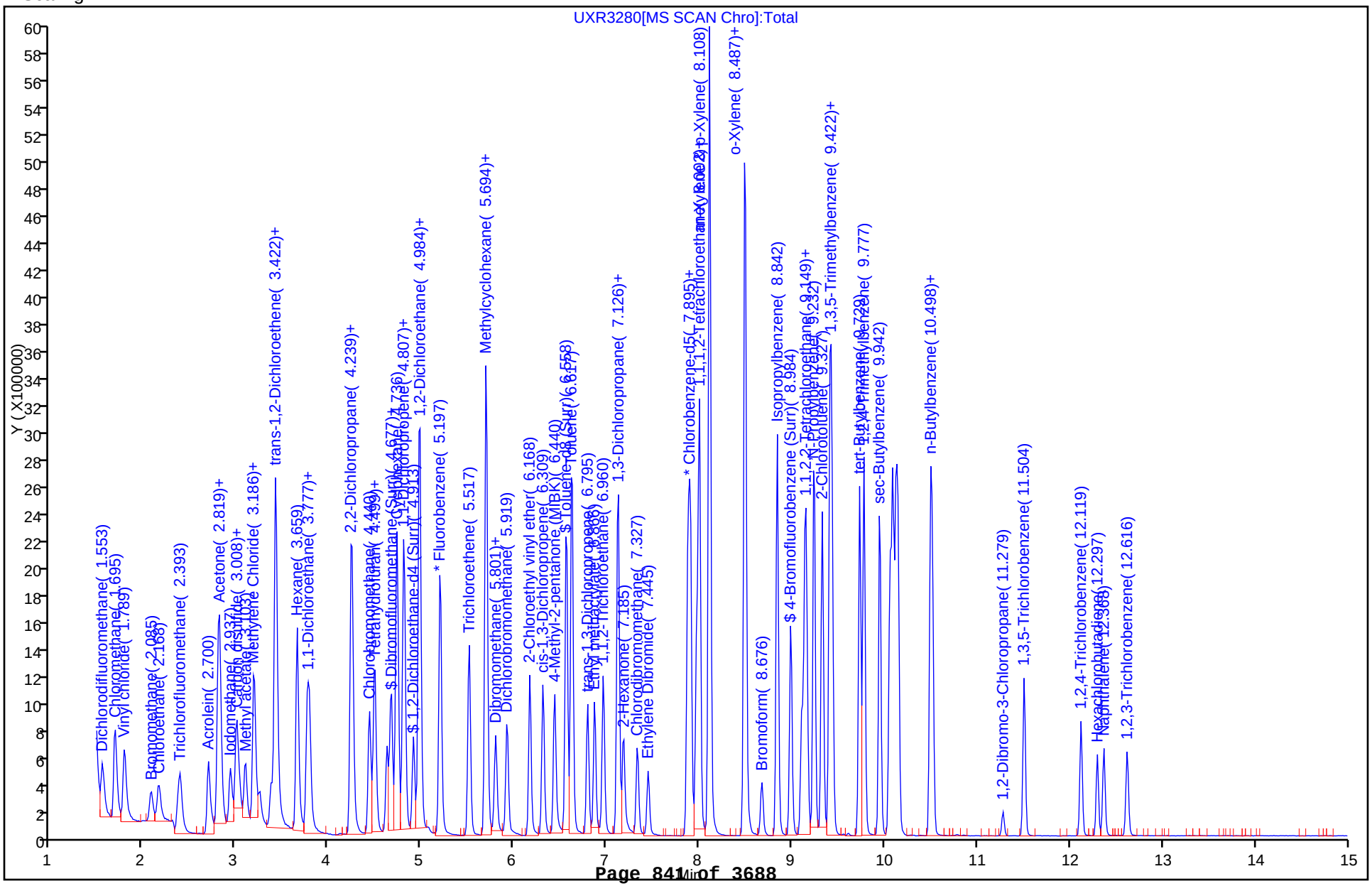
Report Date: 09-Apr-2013 08:43:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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

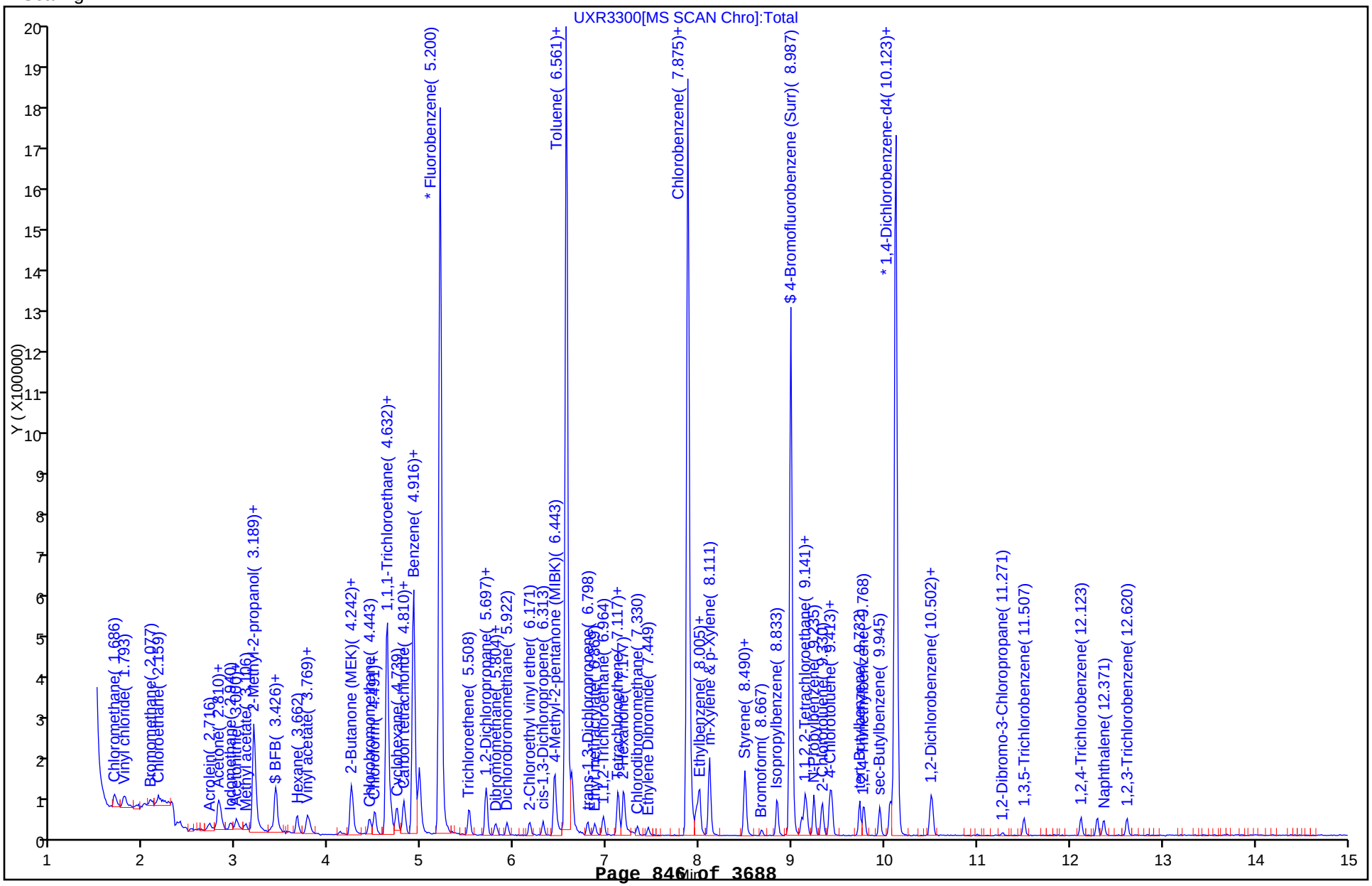
Report Date: 09-Apr-2013 08:43:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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-triflu oroethane	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
Chlorobromomethane	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
Dichlorobromomethane	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.: 240-22804-1

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
Chlorodibromomethane	Lin1		0.2523		0.0432	0.0500	-13.7	20.0
Ethylene Dibromide	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	

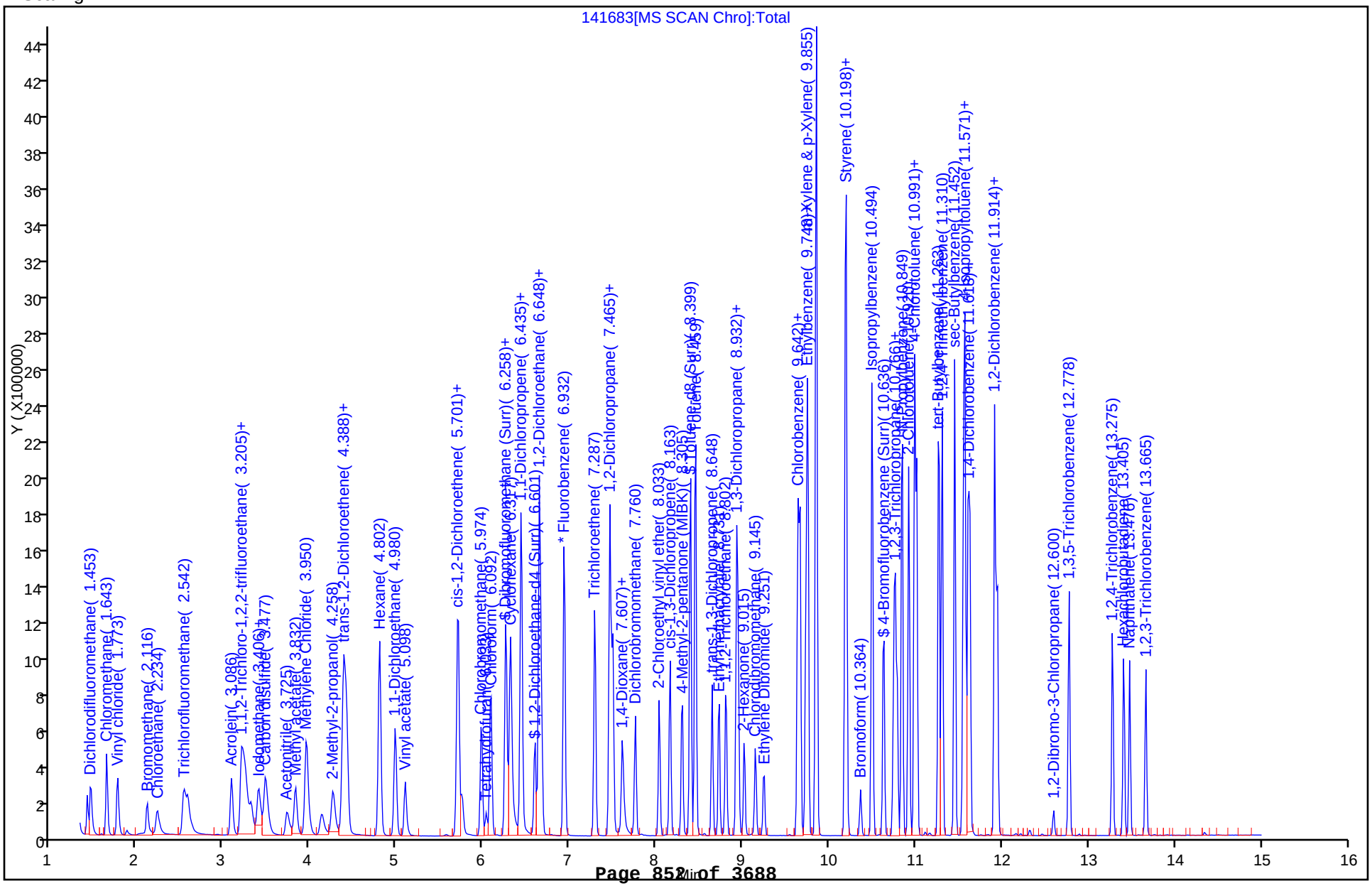
Report Date: 03-Apr-2013 12:45:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22804-1

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

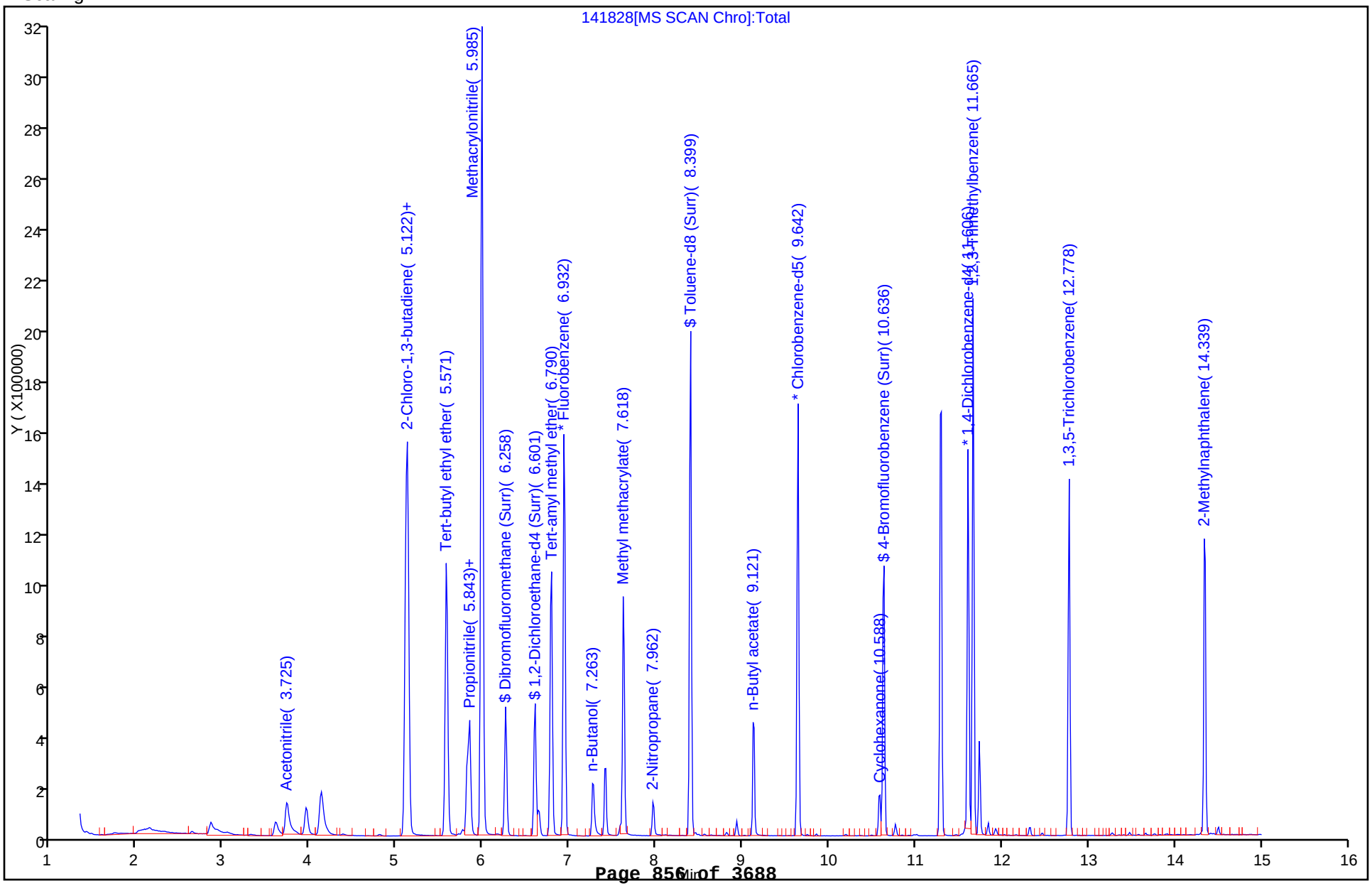
Report Date: 09-Apr-2013 16:28:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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

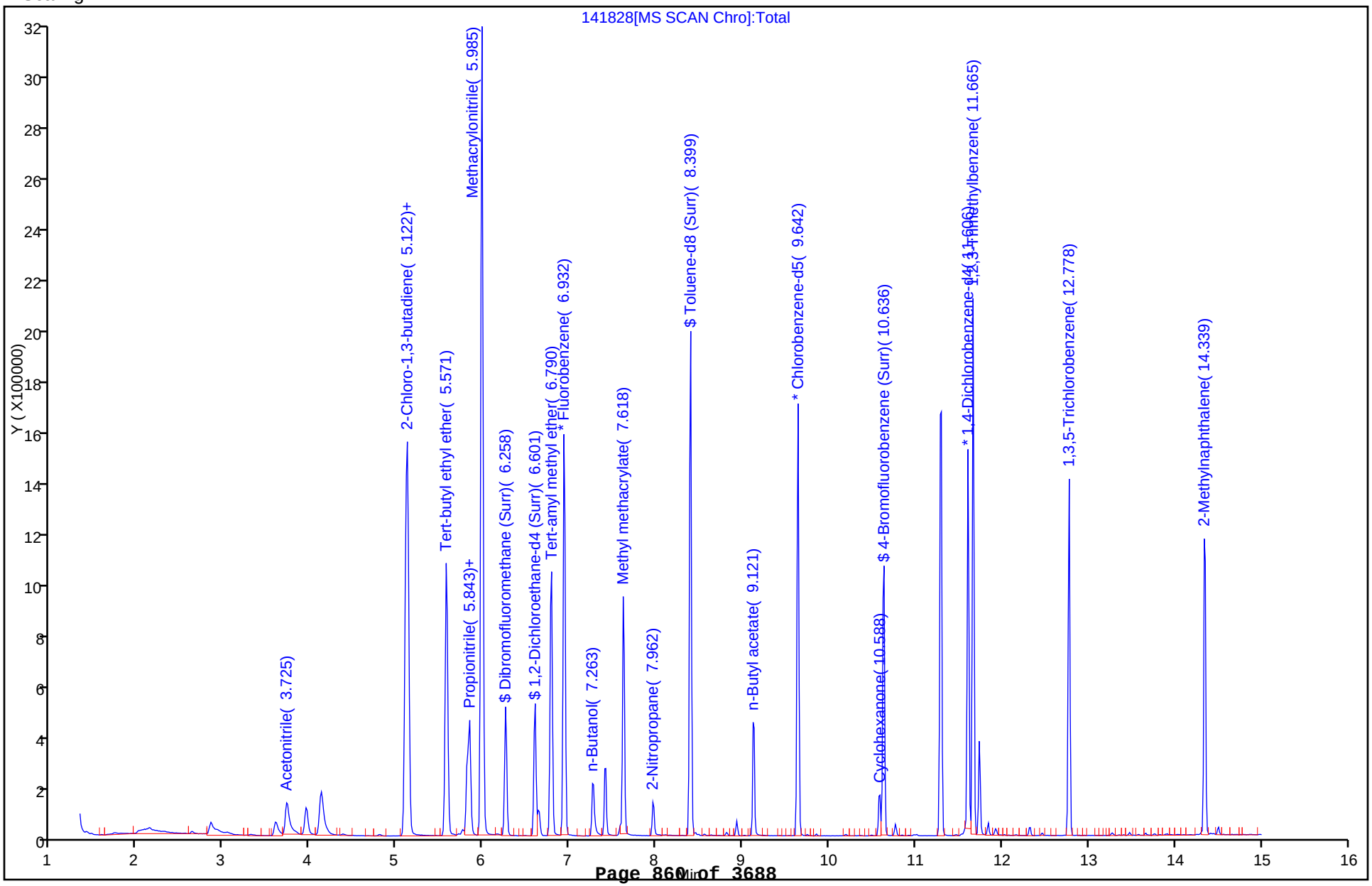
Report Date: 09-Apr-2013 16:28:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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
Chlorobromomethane	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
Dichlorobromomethane	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.: 240-22804-1

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
Chlorodibromomethane	Lin1		0.2446		0.0419	0.0500	-16.1	20.0
Ethylene Dibromide	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	

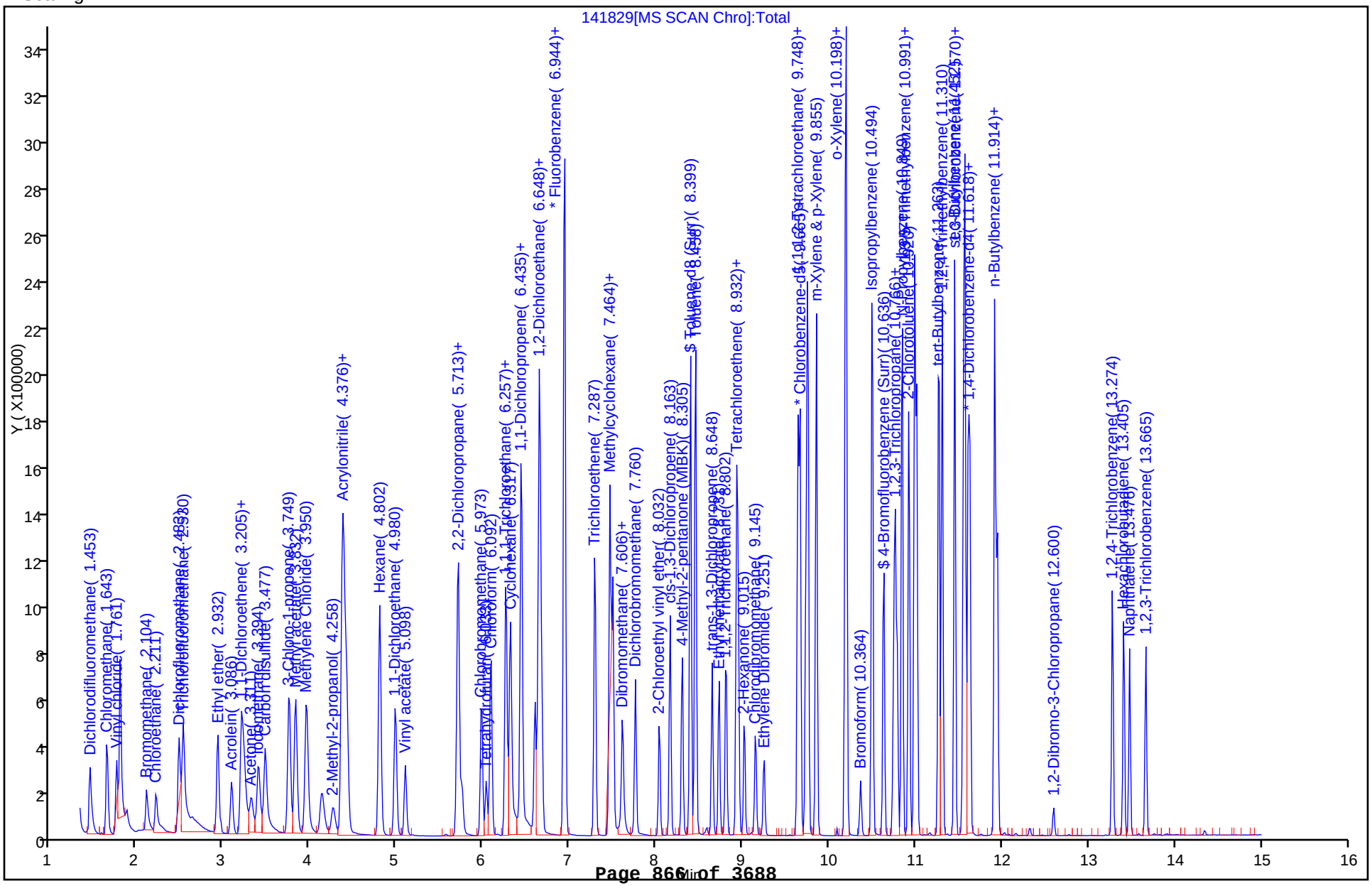
Report Date: 09-Apr-2013 16:28:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81838/13 Calibration Date: 04/14/2013 13:26

Instrument ID: A3UX14 Calib Start Date: 04/14/2013 09:51

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2013 12:43

Lab File ID: 142003.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	0.3529	0.2674	0.1000	0.0379	0.0500	-24.2*	20.0
Chloromethane	Ave	0.4325	0.3602	0.1000	0.0416	0.0500	-16.7	20.0
Vinyl chloride	Ave	0.3486	0.3102	0.1000	0.0445	0.0500	-11.0	20.0
Bromomethane	Ave	0.1071	0.0950	0.0500	0.0443	0.0500	-11.3	20.0
Chloroethane	Ave	0.1712	0.1568	0.0500	0.0458	0.0500	-8.4	20.0
Dichlorofluoromethane	Ave	0.4555	0.4275		0.0469	0.0500	-6.1	20.0
Trichlorofluoromethane	Ave	0.4187	0.3911	0.1000	0.0467	0.0500	-6.6	20.0
1,1-Dichloroethene	Ave	0.2565	0.2682	0.1000	0.0523	0.0500	4.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2327	0.2363	0.0500	0.0508	0.0500	1.6	20.0
Acetone	Lin1		0.0743	0.0500	0.106	0.100	6.3	20.0
Iodomethane	Ave	0.4390	0.4891		0.0557	0.0500	11.4	20.0
Carbon disulfide	Lin1		0.7160	0.1000	0.0494	0.0500	-1.3	20.0
Methyl acetate	Ave	0.1761	0.1727	0.1000	0.245	0.250	-1.9	20.0
Methylene Chloride	Lin1		0.2998	0.1000	0.0517	0.0500	3.4	20.0
2-Methyl-2-propanol	Ave	0.0178	0.0168		0.469	0.500	-6.1	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.3086	0.1000	0.0534	0.0500	6.9	20.0
Methyl tert-butyl ether	Ave	0.6422	0.6637	0.1000	0.0517	0.0500	3.3	20.0
1,1-Dichloroethane	Ave	0.5386	0.5831	0.1000	0.0541	0.0500	8.3	20.0
Vinyl acetate	Ave	0.0335	0.0438		0.0653	0.0500	30.6*	20.0
2,2-Dichloropropane	Ave	0.2430	0.2450		0.0504	0.0500	0.8	20.0
cis-1,2-Dichloroethene	Ave	0.3072	0.3214	0.1000	0.0523	0.0500	4.6	20.0
2-Butanone (MEK)	Ave	0.0985	0.1020	0.0500	0.104	0.100	3.6	20.0
Bromochloromethane	Ave	0.1353	0.1415		0.0523	0.0500	4.6	20.0
Chloroform	Ave	0.4751	0.5035	0.2000	0.0530	0.0500	6.0	20.0
1,1,1-Trichloroethane	Ave	0.4034	0.4183	0.1000	0.0518	0.0500	3.7	20.0
Cyclohexane	Ave	0.6056	0.6180	0.1000	0.0510	0.0500	2.0	20.0
1,1-Dichloropropene	Ave	0.3595	0.4178		0.0581	0.0500	16.2	20.0
Carbon tetrachloride	Ave	0.3855	0.4086	0.1000	0.0530	0.0500	6.0	20.0
Benzene	Ave	1.110	1.151	0.5000	0.0519	0.0500	3.7	20.0
1,2-Dichloroethane	Ave	0.3670	0.3750	0.1000	0.0511	0.0500	2.2	20.0
Trichloroethene	Ave	0.3202	0.3329	0.2000	0.0520	0.0500	4.0	20.0
Methylcyclohexane	Ave	0.5242	0.5352	0.1000	0.0511	0.0500	2.1	20.0
1,2-Dichloropropane	Ave	0.2736	0.2903	0.1000	0.0531	0.0500	6.1	20.0
Dibromomethane	Ave	0.1273	0.1322		0.0519	0.0500	3.9	20.0
Bromodichloromethane	Lin1		0.2928	0.1000	0.0455	0.0500	-9.1	20.0
cis-1,3-Dichloropropene	Lin1		0.3460	0.1500	0.0484	0.0500	-3.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3023	0.3254	0.0500	0.108	0.100	7.6	20.0
Toluene	Ave	1.732	1.832	0.4000	0.0529	0.0500	5.8	20.0
trans-1,3-Dichloropropene	Lin1		0.4211	0.1000	0.0518	0.0500	3.5	20.0
1,1,2-Trichloroethane	Ave	0.2601	0.2716	0.1000	0.0522	0.0500	4.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81838/13 Calibration Date: 04/14/2013 13:26

Instrument ID: A3UX14 Calib Start Date: 04/14/2013 09:51

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2013 12:43

Lab File ID: 142003.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	0.3592	0.3802	0.2000	0.0529	0.0500	5.9	20.0
1,3-Dichloropropane	Ave	0.4512	0.4634		0.0514	0.0500	2.7	20.0
2-Hexanone	Ave	0.1807	0.1900	0.0500	0.105	0.100	5.1	20.0
Dibromochloromethane	Lin1		0.2815		0.0458	0.0500	-8.4	20.0
1,2-Dibromoethane	Ave	0.2446	0.2643		0.0540	0.0500	8.0	20.0
Chlorobenzene	Ave	1.078	1.097	0.3000	0.0509	0.0500	1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3844	0.4066		0.0529	0.0500	5.8	20.0
Ethylbenzene	Ave	0.5843	0.6183		0.0529	0.0500	5.8	20.0
m-Xylene & p-Xylene	Ave	0.7092	0.7392		0.0521	0.0500	4.2	20.0
o-Xylene	Ave	0.7011	0.7549		0.0538	0.0500	7.7	20.0
Styrene	Ave	1.039	1.130	0.3000	0.0544	0.0500	8.8	20.0
Bromoform	Qua		0.1351	0.1000	0.0455	0.0500	-9.0	20.0
Isopropylbenzene	Ave	2.015	2.063	0.1000	0.0512	0.0500	2.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5955	0.6267	0.3000	0.0526	0.0500	5.2	20.0
Bromobenzene	Ave	0.8948	0.9068		0.0507	0.0500	1.3	20.0
1,2,3-Trichloropropane	Ave	0.1991	0.1993		0.0500	0.0500	0.0	20.0
N-Propylbenzene	Ave	1.070	1.147		0.0536	0.0500	7.2	20.0
2-Chlorotoluene	Ave	0.9302	0.9795		0.0527	0.0500	5.3	20.0
1,3,5-Trimethylbenzene	Ave	3.199	3.517		0.0550	0.0500	10.0	20.0
4-Chlorotoluene	Ave	0.9445	0.9590		0.0508	0.0500	1.5	20.0
tert-Butylbenzene	Ave	3.180	3.295		0.0518	0.0500	3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.247	3.422		0.0527	0.0500	5.4	20.0
sec-Butylbenzene	Lin1		4.563		0.0501	0.0500	0.2	20.0
1,3-Dichlorobenzene	Ave	1.825	1.789	0.6000	0.0490	0.0500	-2.0	20.0
4-Isopropyltoluene	Ave	3.732	3.819		0.0512	0.0500	2.3	20.0
1,4-Dichlorobenzene	Ave	1.831	1.790	0.5000	0.0489	0.0500	-2.3	20.0
n-Butylbenzene	Ave	3.202	3.232		0.0505	0.0500	0.9	20.0
1,2-Dichlorobenzene	Ave	1.686	1.684	0.4000	0.0500	0.0500	-0.0	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0949	0.0500	0.0500	0.0500	-0.0	20.0
1,2,4-Trichlorobenzene	Ave	1.070	1.050	0.2000	0.0490	0.0500	-2.0	20.0
Hexachlorobutadiene	Ave	0.5444	0.5728		0.0526	0.0500	5.2	20.0
Naphthalene	Ave	2.056	2.027		0.0493	0.0500	-1.4	20.0
1,2,3-Trichlorobenzene	Ave	0.9069	0.8641		0.0476	0.0500	-4.7	20.0
Dibromofluoromethane (Surr)	Qua		0.2401		0.0457	0.0500	-8.6	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.2627		0.0472	0.0500	-5.5	20.0
Toluene-d8 (Surr)	Qua		1.359		0.0459	0.0500	-8.3	20.0
4-Bromofluorobenzene (Surr)	Qua		0.9213		0.0463	0.0500	-7.4	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142003.D
Lims ID: ICV Client ID:
Inject. Date: 14-Apr-2013 13:26:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0018847-013 =240-0018847-013
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 81838 Lims Sample ID: 13
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m
Last Update: 15-Apr-2013 11:38:35 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: latat Date: 15-Apr-2013 01:52:08

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	1172174	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	747221	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	97	360306	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	84	281467	45.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	307931	47.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1015487	45.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	93	331965	46.3	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	313491	37.9	
13 Chloromethane	50	1.631	1.631	0.0	100	422168	41.6	
14 Vinyl chloride	62	1.761	1.761	0.0	99	363568	44.5	
15 Bromomethane	94	2.104	2.104	0.0	91	111345	44.3	
16 Chloroethane	64	2.222	2.223	-0.001	97	183788	45.8	
17 Dichlorofluoromethane	67	2.495	2.483	0.012	99	501103	46.9	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	458481	46.7	
19 Ethyl ether	59	2.921	2.921	0.0	96	269133	49.3	
20 Acrolein	56	3.086	3.086	0.0	96	347060	755.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	314360	52.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	93	277019	50.8	
22 Acetone	43	3.311	3.311	0.0	98	174083	106.3	
24 Iodomethane	142	3.394	3.394	0.0	99	573334	55.7	
26 Carbon disulfide	76	3.477	3.477	0.0	100	839220	49.4	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	82	168335	48.3	
28 Methyl acetate	43	3.820	3.820	0.0	97	1011986	245.2	
30 Methylene Chloride	84	3.950	3.950	0.0	98	351470	51.7	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	93	196387	469.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	992336	505.3	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	361768	53.4	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	93	777916	51.7	
35 Hexane	86	4.802	4.802	0.0	96	93014	55.2	

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	683445	54.1	
37 Vinyl acetate	86	5.098	5.098	0.0	97	51280	65.3	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	87	287155	50.4	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	376769	52.3	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	239030	103.6	
47 Chlorobromomethane	128	5.985	5.974	0.011	97	165901	52.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	150853	93.9	
49 Chloroform	83	6.092	6.092	0.0	96	590230	53.0	
50 1,1,1-Trichloroethane	97	6.269	6.258	0.011	95	490346	51.8	
51 Cyclohexane	56	6.317	6.317	0.0	95	724384	51.0	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	489758	58.1	
53 Carbon tetrachloride	117	6.435	6.435	0.0	88	478979	53.0	
54 Isobutyl alcohol	41	6.636	6.636	0.0	90	197612	1190.3	
55 Benzene	78	6.648	6.648	0.0	97	1349324	51.9	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	439538	51.1	
58 n-Heptane	100	6.944	6.944	0.0	94	102538	52.0	
60 Trichloroethene	130	7.287	7.287	0.0	97	390243	52.0	
63 Methylcyclohexane	83	7.464	7.465	-0.001	97	627378	51.1	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	340301	53.1	
65 Dibromomethane	93	7.606	7.607	-0.001	89	154998	51.9	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	44091	998.5	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	343252	45.5	
69 2-Chloroethyl vinyl ether	63	8.032	8.033	-0.001	93	180013	110.3	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	88	405520	48.4	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	486224	107.6	
72 Toluene	91	8.458	8.459	-0.001	97	1368592	52.9	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	314629	51.8	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	255922	55.5	
75 1,1,2-Trichloroethane	97	8.813	8.802	0.011	93	202958	52.2	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	284121	52.9	
76 1,3-Dichloropropane	76	8.955	8.956	-0.001	95	346288	51.4	
78 2-Hexanone	43	9.015	9.015	0.0	99	283956	105.1	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	210354	45.8	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	197464	54.0	
82 Chlorobenzene	112	9.665	9.666	-0.001	92	819834	50.9	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.737	-0.001	93	303845	52.9	
84 Ethylbenzene	106	9.760	9.760	0.0	98	462018	52.9	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	552337	52.1	
85 o-Xylene	106	10.186	10.186	0.0	96	564108	53.8	
86 Styrene	104	10.198	10.198	0.0	87	844163	54.4	
87 Bromoform	173	10.364	10.364	0.0	97	100928	45.5	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1541507	51.2	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	225787	52.6	
91 Bromobenzene	156	10.766	10.766	0.0	93	326706	50.7	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	76	69640	50.7	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	80	71812	50.0	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	413368	53.6	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	352914	52.7	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	1267359	55.0	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	345522	50.8	
97 tert-Butylbenzene	119	11.275	11.275	0.0	92	1187339	51.8	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1233132	52.7	

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	93	1644012	50.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	644654	49.0	
101 4-Isopropyltoluene	119	11.570	11.571	-0.001	89	1376021	51.2	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	644890	48.9	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1164675	50.5	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	606866	50.0	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	78	34177	50.0	
109 1,2,4-Trichlorobenzene	180	13.274	13.286	-0.012	92	378149	49.0	
110 Hexachlorobutadiene	225	13.416	13.417	-0.001	99	206366	52.6	
111 Naphthalene	128	13.476	13.476	0.0	97	730310	49.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	94	311355	47.6	
S 137 Trihalomethanes, Total	1				0		189.7	
S 11 1,2-Dichloroethene, Total	96				0		105.8	
S 9 1,3-Dichloropropene, Total	75				0		100.2	
S 114 Xylenes, Total	106				0		106.0	

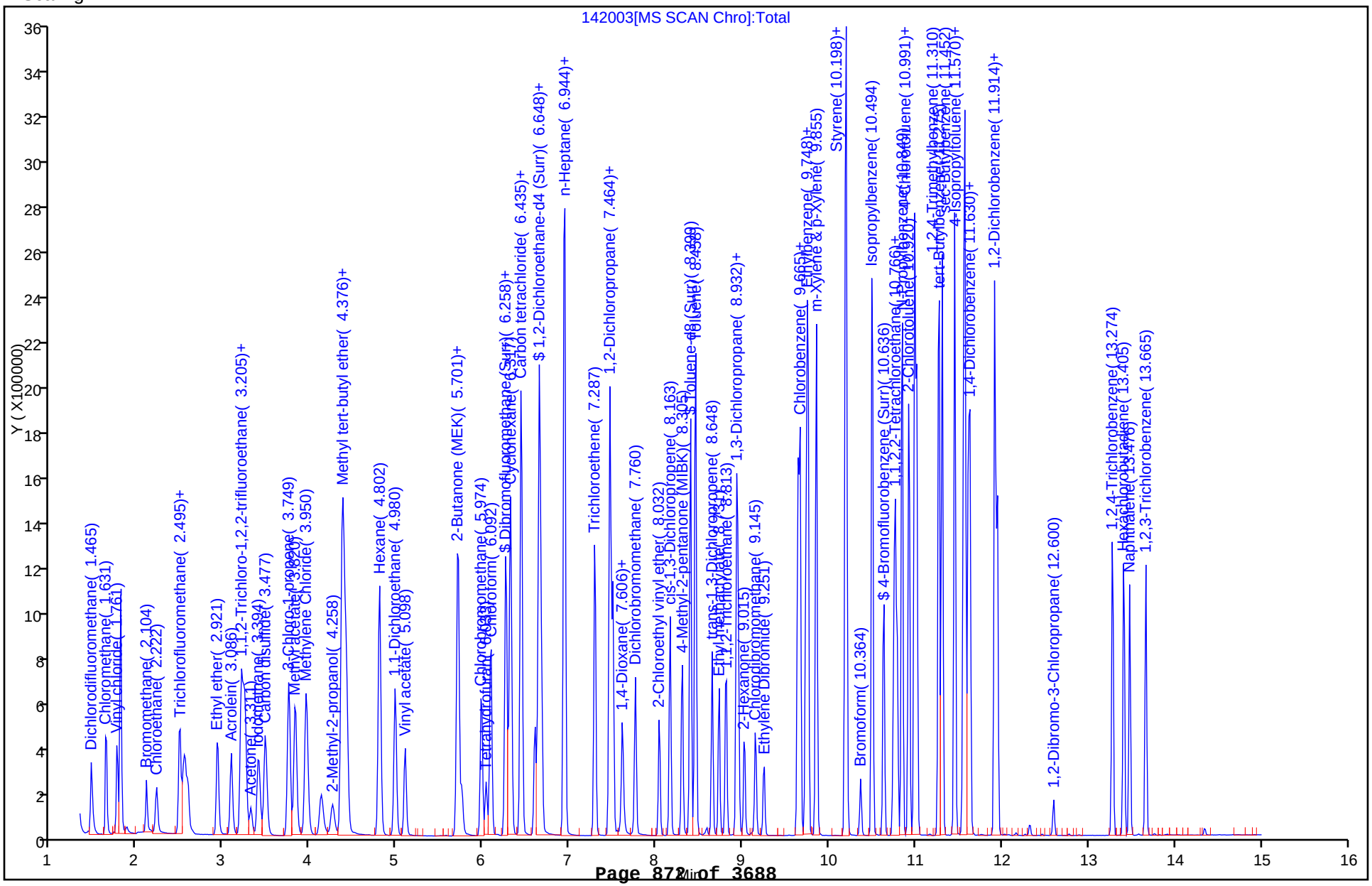
Report Date: 15-Apr-2013 11:38:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142003.D

Injection Date:	14-Apr-2013 13:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	Lims Sample ID:	13
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.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81930/3 Calibration Date: 04/15/2013 11:39

Instrument ID: A3UX14 Calib Start Date: 04/14/2013 09:51

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2013 12:43

Lab File ID: 142026.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	0.3529	0.3340	0.1000	0.0473	0.0500	-5.4	20.0
Chloromethane	Ave	0.4325	0.3814	0.1000	0.0441	0.0500	-11.8	20.0
Vinyl chloride	Ave	0.3486	0.3204	0.1000	0.0460	0.0500	-8.1	20.0
Bromomethane	Ave	0.1071	0.0955	0.0500	0.0446	0.0500	-10.8	20.0
Chloroethane	Ave	0.1712	0.1415	0.0500	0.0413	0.0500	-17.3	20.0
Dichlorofluoromethane	Ave	0.4555	0.4146		0.0455	0.0500	-9.0	20.0
Trichlorofluoromethane	Ave	0.4187	0.3890	0.1000	0.0465	0.0500	-7.1	20.0
1,1-Dichloroethene	Ave	0.2565	0.2536	0.1000	0.0494	0.0500	-1.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2327	0.2268	0.0500	0.0487	0.0500	-2.5	20.0
Acetone	Lin1		0.0797	0.0500	0.115	0.100	14.7	20.0
Iodomethane	Ave	0.4390	0.4199		0.0478	0.0500	-4.3	20.0
Carbon disulfide	Lin1		0.5834	0.1000	0.0407	0.0500	-18.6	20.0
Methyl acetate	Ave	0.1761	0.2011	0.1000	0.286	0.250	14.2	20.0
Methylene Chloride	Lin1		0.2882	0.1000	0.0495	0.0500	-1.0	20.0
2-Methyl-2-propanol	Ave	0.0178	0.0213		0.595	0.500	19.1	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.2869	0.1000	0.0497	0.0500	-0.6	20.0
Methyl tert-butyl ether	Ave	0.6422	0.6986	0.1000	0.0544	0.0500	8.8	20.0
1,1-Dichloroethane	Ave	0.5386	0.5453	0.1000	0.0506	0.0500	1.2	20.0
Vinyl acetate	Ave	0.0335	0.0371		0.0554	0.0500	10.7	20.0
2,2-Dichloropropane	Ave	0.2430	0.2295		0.0472	0.0500	-5.6	20.0
cis-1,2-Dichloroethene	Ave	0.3072	0.3054	0.1000	0.0497	0.0500	-0.6	20.0
Bromochloromethane	Ave	0.1353	0.1427		0.0528	0.0500	5.5	20.0
Chloroform	Ave	0.4751	0.4908	0.2000	0.0517	0.0500	3.3	20.0
1,1,1-Trichloroethane	Ave	0.4034	0.3964	0.1000	0.0491	0.0500	-1.7	20.0
Cyclohexane	Ave	0.6056	0.5935	0.1000	0.0490	0.0500	-2.0	20.0
1,1-Dichloropropene	Ave	0.3595	0.3803		0.0529	0.0500	5.8	20.0
Carbon tetrachloride	Ave	0.3855	0.3816	0.1000	0.0495	0.0500	-1.0	20.0
Benzene	Ave	1.110	1.116	0.5000	0.0503	0.0500	0.6	20.0
1,2-Dichloroethane	Ave	0.3670	0.3853	0.1000	0.0525	0.0500	5.0	20.0
Trichloroethene	Ave	0.3202	0.3207	0.2000	0.0501	0.0500	0.2	20.0
Methylcyclohexane	Ave	0.5242	0.5143	0.1000	0.0491	0.0500	-1.9	20.0
1,2-Dichloropropane	Ave	0.2736	0.2885	0.1000	0.0527	0.0500	5.5	20.0
Dibromomethane	Ave	0.1273	0.1408		0.0553	0.0500	10.6	20.0
Bromodichloromethane	Lin1		0.3084	0.1000	0.0478	0.0500	-4.4	20.0
cis-1,3-Dichloropropene	Lin1		0.3560	0.1500	0.0498	0.0500	-0.5	20.0
Toluene	Ave	1.732	1.756	0.4000	0.0507	0.0500	1.4	20.0
trans-1,3-Dichloropropene	Lin1		0.4054	0.1000	0.0499	0.0500	-0.2	20.0
1,1,2-Trichloroethane	Ave	0.2601	0.2893	0.1000	0.0556	0.0500	11.2	20.0
Tetrachloroethene	Ave	0.3592	0.3678	0.2000	0.0512	0.0500	2.4	20.0
1,3-Dichloropropane	Ave	0.4512	0.4993		0.0553	0.0500	10.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81930/3 Calibration Date: 04/15/2013 11:39

Instrument ID: A3UX14 Calib Start Date: 04/14/2013 09:51

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2013 12:43

Lab File ID: 142026.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
Dibromochloromethane	Lin1		0.2976		0.0483	0.0500	-3.5	20.0
1,2-Dibromoethane	Ave	0.2446	0.2834		0.0579	0.0500	15.9	20.0
Chlorobenzene	Ave	1.078	1.102	0.3000	0.0511	0.0500	2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3844	0.3930		0.0511	0.0500	2.2	20.0
Ethylbenzene	Ave	0.5843	0.6095		0.0522	0.0500	4.3	20.0
m-Xylene & p-Xylene	Ave	0.7092	0.7386		0.0521	0.0500	4.1	20.0
o-Xylene	Ave	0.7011	0.7200		0.0513	0.0500	2.7	20.0
Styrene	Ave	1.039	1.163	0.3000	0.0560	0.0500	11.9	20.0
Bromoform	Qua		0.1558	0.1000	0.0517	0.0500	3.4	20.0
Isopropylbenzene	Ave	2.015	2.022	0.1000	0.0502	0.0500	0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5955	0.7009	0.3000	0.0588	0.0500	17.7	20.0
Bromobenzene	Ave	0.8948	0.9084		0.0508	0.0500	1.5	20.0
1,2,3-Trichloropropane	Ave	0.1991	0.2280		0.0572	0.0500	14.5	20.0
N-Propylbenzene	Ave	1.070	1.133		0.0529	0.0500	5.9	20.0
2-Chlorotoluene	Ave	0.9302	0.9502		0.0511	0.0500	2.2	20.0
1,3,5-Trimethylbenzene	Ave	3.199	3.408		0.0533	0.0500	6.5	20.0
4-Chlorotoluene	Ave	0.9445	0.9695		0.0513	0.0500	2.6	20.0
tert-Butylbenzene	Ave	3.180	3.175		0.0499	0.0500	-0.2	20.0
1,2,4-Trimethylbenzene	Ave	3.247	3.448		0.0531	0.0500	6.2	20.0
sec-Butylbenzene	Lin1		4.447		0.0489	0.0500	-2.3	20.0
1,3-Dichlorobenzene	Ave	1.825	1.819	0.6000	0.0498	0.0500	-0.3	20.0
4-Isopropyltoluene	Ave	3.732	3.824		0.0512	0.0500	2.5	20.0
1,4-Dichlorobenzene	Ave	1.831	1.790	0.5000	0.0489	0.0500	-2.2	20.0
n-Butylbenzene	Ave	3.202	3.290		0.0514	0.0500	2.7	20.0
1,2-Dichlorobenzene	Ave	1.686	1.684	0.4000	0.0499	0.0500	-0.1	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.1033	0.0500	0.0542	0.0500	8.4	20.0
1,2,4-Trichlorobenzene	Ave	1.070	1.047	0.2000	0.0489	0.0500	-2.2	20.0
Hexachlorobutadiene	Ave	0.5444	0.5579		0.0512	0.0500	2.5	20.0
Naphthalene	Ave	2.056	2.140		0.0520	0.0500	4.1	20.0
1,2,3-Trichlorobenzene	Ave	0.9069	0.8798		0.0485	0.0500	-3.0	20.0
Dibromofluoromethane (Surr)	Qua		0.2352		0.0447	0.0500	-10.6	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.2743		0.0494	0.0500	-1.2	20.0
Toluene-d8 (Surr)	Qua		1.310		0.0442	0.0500	-11.7	20.0
4-Bromofluorobenzene (Surr)	Qua		0.9317		0.0468	0.0500	-6.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130415-18872.b\142026.D		
Lims ID:	ccvis	Client ID:	
Inject. Date:	15-Apr-2013 11:39:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	ccvis		
Misc. Info.:	240-0018872-003		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	81930	Lims Sample ID:	3
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m		
Last Update:	16-Apr-2013 15:26:45	Calib Date:	14-Apr-2013 12:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK029		
First Level Reviewer: macenczaks		Date:	15-Apr-2013 11:57:05

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	1213291	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	810790	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	392227	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	89	285314	44.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	332783	49.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1062382	44.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	92	365445	46.8	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	405181	47.3	
13 Chloromethane	50	1.643	1.643	0.0	100	462732	44.1	
14 Vinyl chloride	62	1.773	1.773	0.0	99	388767	46.0	
15 Bromomethane	94	2.104	2.104	0.0	89	115873	44.6	
16 Chloroethane	64	2.223	2.223	0.0	97	171705	41.3	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	503085	45.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	100	471981	46.5	
19 Ethyl ether	59	2.921	2.921	0.0	98	280767	49.7	
20 Acrolein	56	3.086	3.086	0.0	96	246360	517.8	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	307626	49.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	92	275212	48.7	
22 Acetone	43	3.311	3.311	0.0	98	193467	114.7	
24 Iodomethane	142	3.406	3.406	0.0	99	509420	47.8	
26 Carbon disulfide	76	3.477	3.477	0.0	100	707830	40.7	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	86	174514	48.4	
28 Methyl acetate	43	3.832	3.832	0.0	97	1219817	285.5	
30 Methylene Chloride	84	3.950	3.950	0.0	98	349622	49.5	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	92	257858	595.4	
32 Acrylonitrile	53	4.364	4.364	0.0	98	1126206	554.0	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	348141	49.7	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	93	847602	54.4	
35 Hexane	86	4.802	4.802	0.0	95	87400	50.1	

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	661553	50.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	44991	55.4	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	86	278468	47.2	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	370577	49.7	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	293096	122.7	
47 Chlorobromomethane	128	5.985	5.985	0.0	94	173190	52.8	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	191333	115.1	
49 Chloroform	83	6.092	6.092	0.0	96	595496	51.7	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	92	480911	49.1	
51 Cyclohexane	56	6.317	6.317	0.0	95	720064	49.0	
53 Carbon tetrachloride	117	6.435	6.435	0.0	93	462989	49.5	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	461428	52.9	
54 Isobutyl alcohol	41	6.636	6.636	0.0	90	279598	1627.1	
55 Benzene	78	6.648	6.648	0.0	98	1354085	50.3	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	467422	52.5	
58 n-Heptane	100	6.944	6.944	0.0	94	105342	51.7	
60 Trichloroethene	130	7.287	7.287	0.0	97	389147	50.1	
63 Methylcyclohexane	83	7.465	7.465	0.0	95	623932	49.1	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	350058	52.7	
65 Dibromomethane	93	7.607	7.607	0.0	92	170826	55.3	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	56772	1242.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	374166	47.8	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	92	230900	136.7	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	431891	49.8	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	615799	125.6	
72 Toluene	91	8.458	8.458	0.0	97	1424114	50.7	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	328653	49.9	
74 Ethyl methacrylate	69	8.731	8.731	0.0	93	315731	63.1	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	234537	55.6	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	298197	51.2	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	97	404792	55.3	
78 2-Hexanone	43	9.015	9.015	0.0	98	390403	133.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	241295	48.3	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	229797	57.9	
82 Chlorobenzene	112	9.665	9.665	0.0	92	893347	51.1	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	93	318617	51.1	
84 Ethylbenzene	106	9.760	9.760	0.0	98	494180	52.2	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	598805	52.1	
85 o-Xylene	106	10.186	10.186	0.0	95	583754	51.3	
86 Styrene	104	10.198	10.198	0.0	88	942546	56.0	
87 Bromoform	173	10.364	10.364	0.0	96	126357	51.7	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1639529	50.2	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	92	274908	58.8	
91 Bromobenzene	156	10.766	10.766	0.0	93	356304	50.8	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	63	88551	59.2	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	80	89417	57.2	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	444343	52.9	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	372693	51.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	1336753	53.3	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	380256	51.3	
97 tert-Butylbenzene	119	11.275	11.275	0.0	92	1245234	49.9	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	1352240	53.1	

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	95	1744105	48.9	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	713641	49.8	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	89	1499936	51.2	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	93	702140	48.9	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1290543	51.4	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	660453	49.9	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	78	40530	54.2	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	95	410784	48.9	
110 Hexachlorobutadiene	225	13.416	13.416	0.0	99	218821	51.2	
111 Naphthalene	128	13.476	13.476	0.0	97	839513	52.0	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	345096	48.5	
S 137 Trihalomethanes, Total	1				0		199.4	
S 11 1,2-Dichloroethene, Total	96				0		99.4	
S 9 1,3-Dichloropropene, Total	75				0		99.7	
S 114 Xylenes, Total	106				0		103.4	

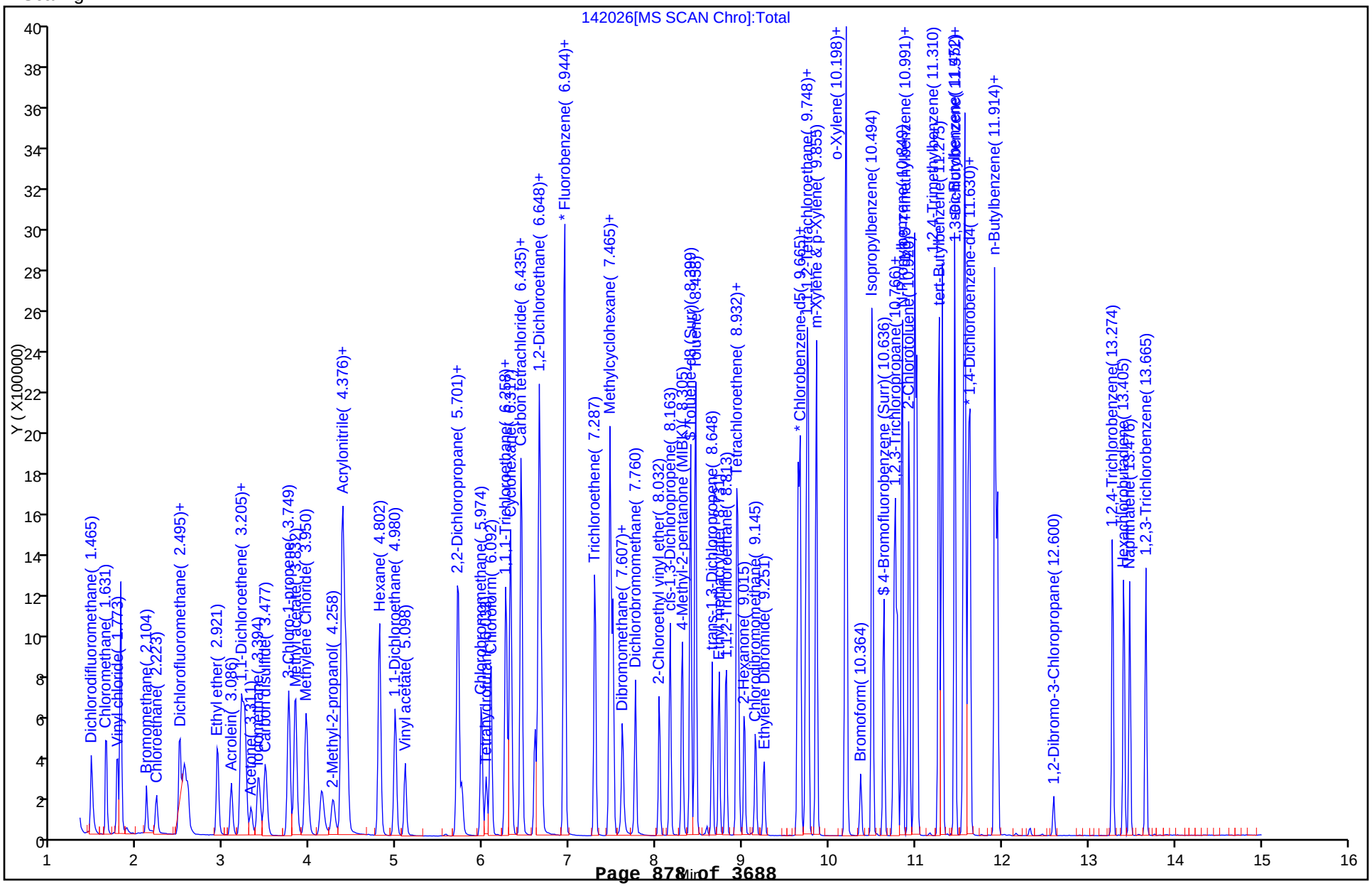
Report Date: 16-Apr-2013 15:26:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142026.D

Injection Date:	15-Apr-2013 11:39:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	3
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.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81930/4 Calibration Date: 04/15/2013 12:00

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: 142027.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	0.0092		0.543	0.500	8.7	20.0
1,2,3-Trimethylbenzene	Ave	2.929	3.385		0.0578	0.0500	15.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142027.D
Lims ID: ccv Client ID:
Inject. Date: 15-Apr-2013 12:00:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0018872-004 =240-0018872-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 81930 Lims Sample ID: 4
Sublist: chrom-8260_14*sub34
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 15-Apr-2013 12:28:50

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	1172484	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	733242	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	355131	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	59	259039	41.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	302543	46.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	950106	43.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	92	312017	44.1	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	98	315902	502.7	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	94	684083	62.6	
38 Isopropyl ether	87	5.134	5.134	0.0	95	299189	55.5	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	1054150	58.3	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	98	367612	506.7	
45 Ethyl acetate	43	5.843	5.843	0.0	99	495836	95.4	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1746935	509.9	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	722150	56.2	
59 n-Butanol	56	7.275	7.275	0.0	95	130012	1247.3	
64 Methyl methacrylate	41	7.618	7.618	0.0	92	425644	92.0	
68 2-Nitropropane	41	7.962	7.962	0.0	97	76495	96.2	
132 n-Butyl acetate	43	9.133	9.133	0.0	0	313294	0	
89 Cyclohexanone	55	10.588	10.588	0.0	96	67456	543.4	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	99	1202098	57.8	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	482488	57.9	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	89	811307	94.8	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

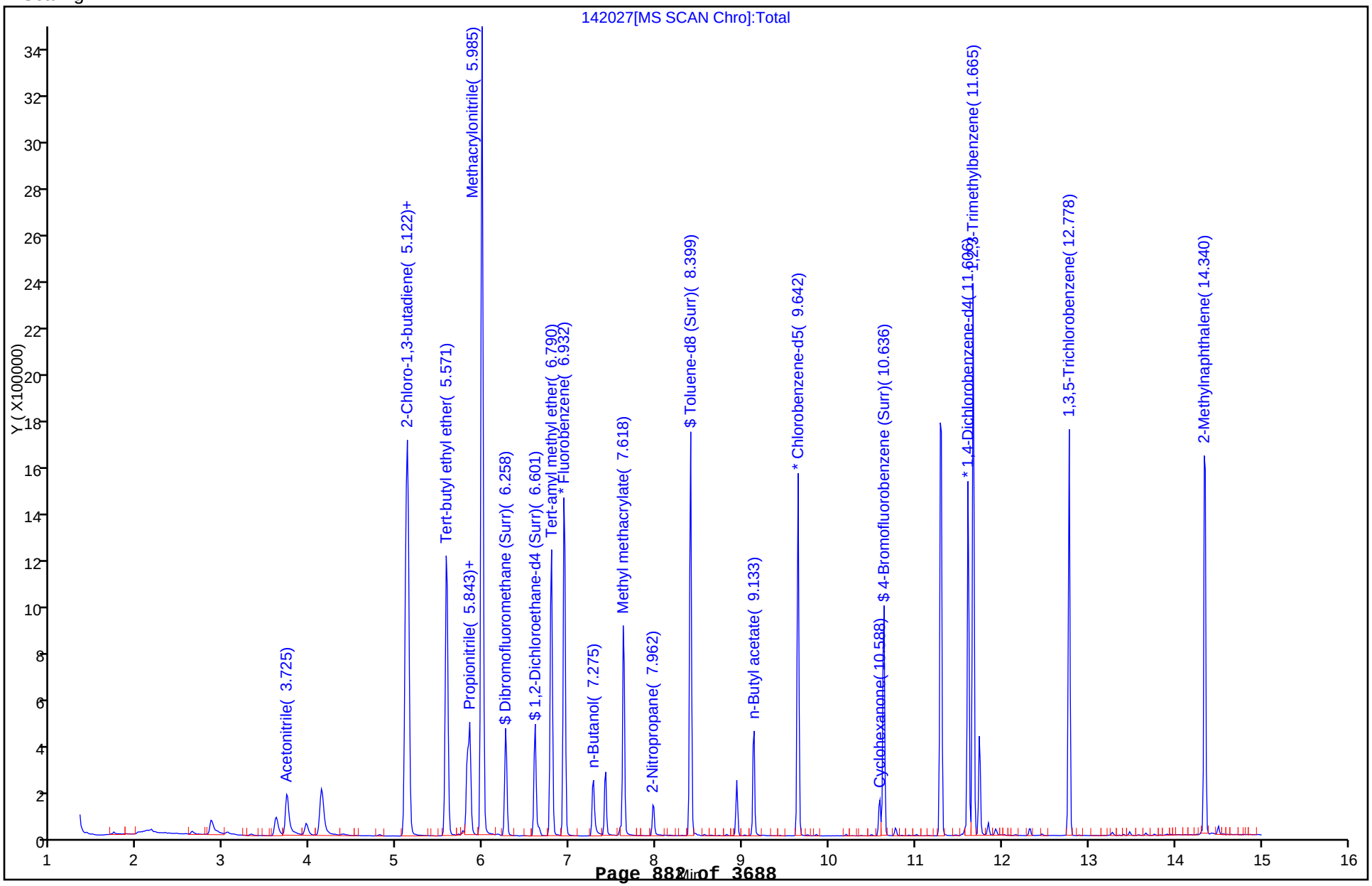
Report Date: 16-Apr-2013 15:26:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142027.D

Injection Date:	15-Apr-2013 12:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	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.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81930/4 Calibration Date: 04/15/2013 12:00

Instrument ID: A3UX14 Calib Start Date: 04/14/2013 09:51

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/14/2013 12:43

Lab File ID: 142027.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)	Qua		0.2209		0.0419	0.0500	-16.1	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.2580		0.0464	0.0500	-7.3	20.0
Toluene-d8 (Surr)	Qua		1.296		0.0437	0.0500	-12.7	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8786		0.0441	0.0500	-11.9	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142027.D
Lims ID: ccv Client ID:
Inject. Date: 15-Apr-2013 12:00:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0018872-004 =240-0018872-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 81930 Lims Sample ID: 4
Sublist: chrom-8260_14*sub34
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 15-Apr-2013 12:28:50

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	1172484	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	733242	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	355131	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	59	259039	41.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	302543	46.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	950106	43.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	92	312017	44.1	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	98	315902	502.7	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	94	684083	62.6	
38 Isopropyl ether	87	5.134	5.134	0.0	95	299189	55.5	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	1054150	58.3	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	98	367612	506.7	
45 Ethyl acetate	43	5.843	5.843	0.0	99	495836	95.4	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1746935	509.9	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	722150	56.2	
59 n-Butanol	56	7.275	7.275	0.0	95	130012	1247.3	
64 Methyl methacrylate	41	7.618	7.618	0.0	92	425644	92.0	
68 2-Nitropropane	41	7.962	7.962	0.0	97	76495	96.2	
132 n-Butyl acetate	43	9.133	9.133	0.0	0	313294	0	
89 Cyclohexanone	55	10.588	10.588	0.0	96	67456	543.4	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	99	1202098	57.8	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	482488	57.9	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	89	811307	94.8	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

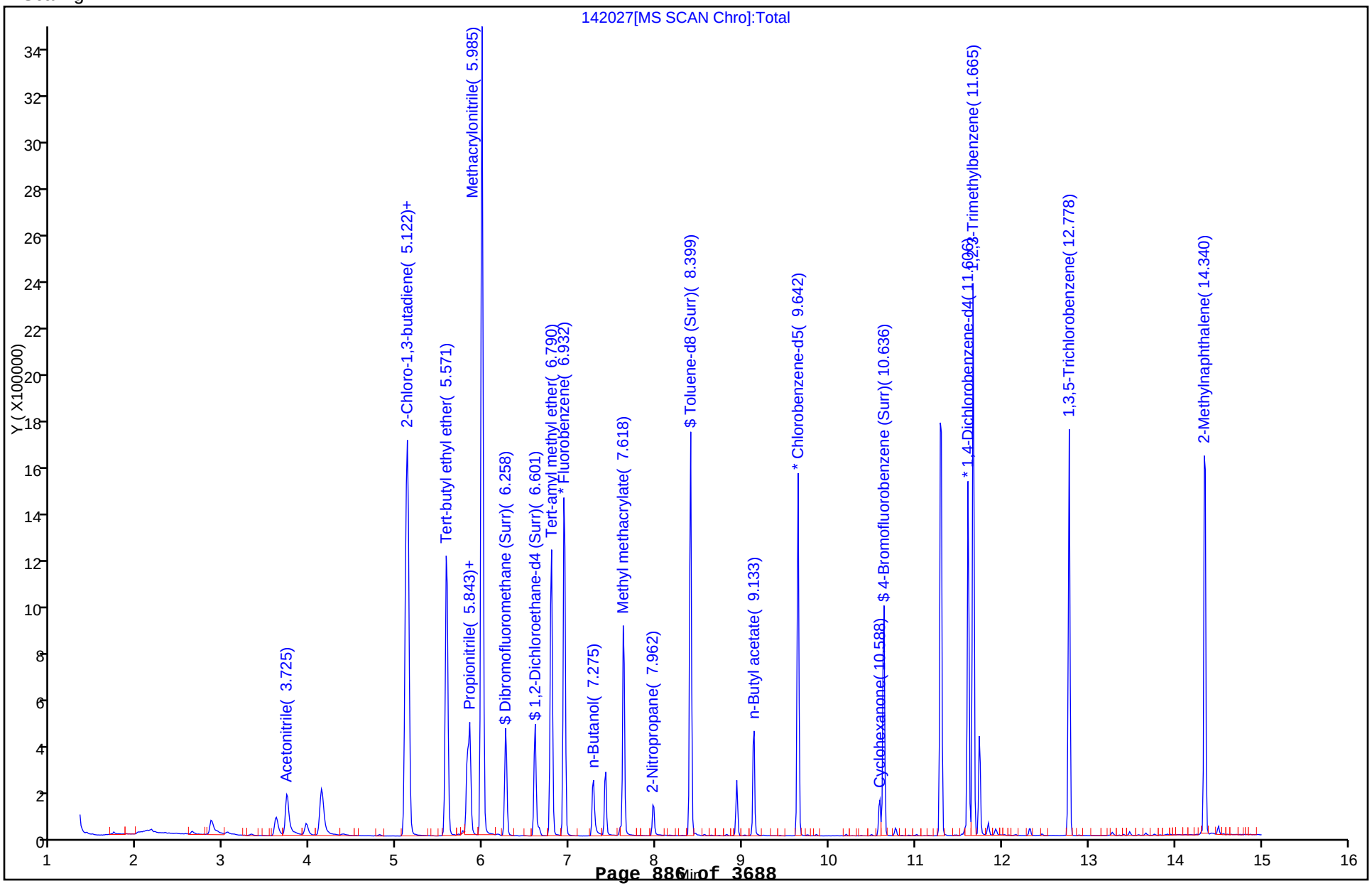
Report Date: 16-Apr-2013 15:26:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142027.D

Injection Date:	15-Apr-2013 12:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	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\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	

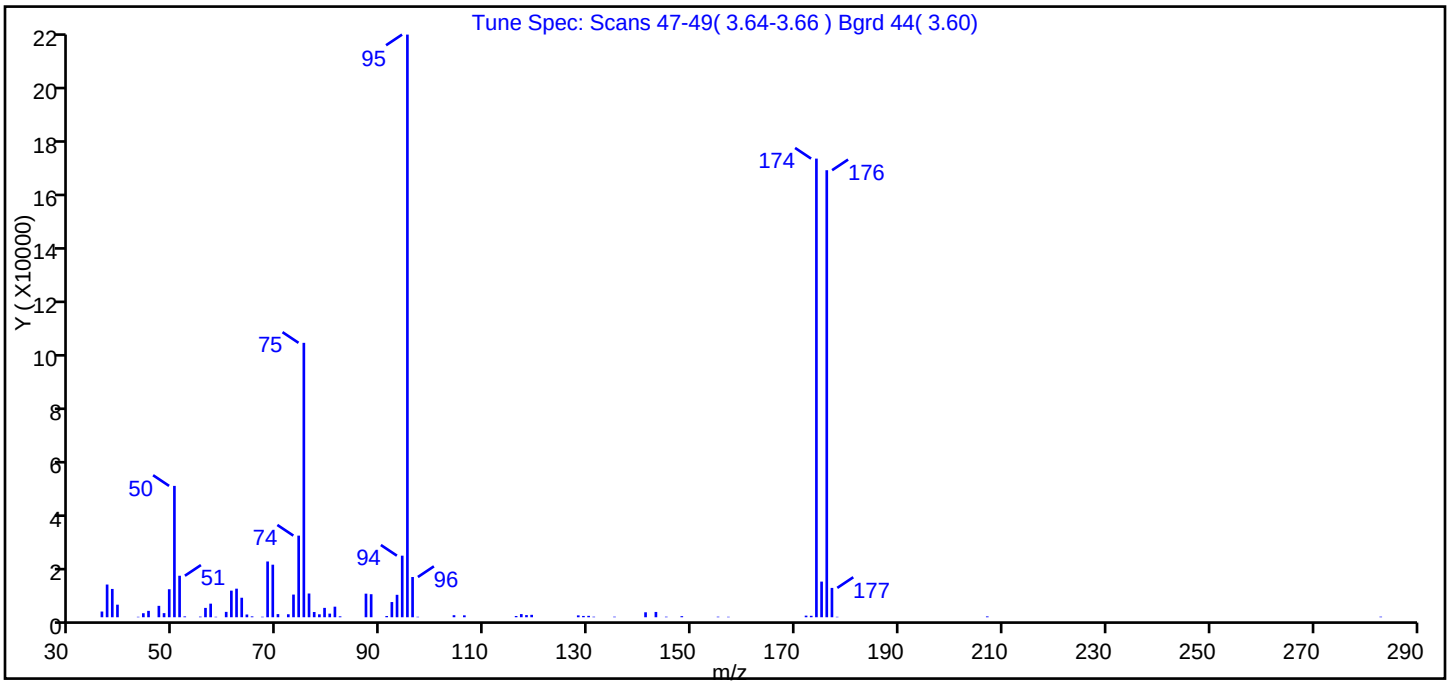
Report Date: 03-Apr-2013 11:29:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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

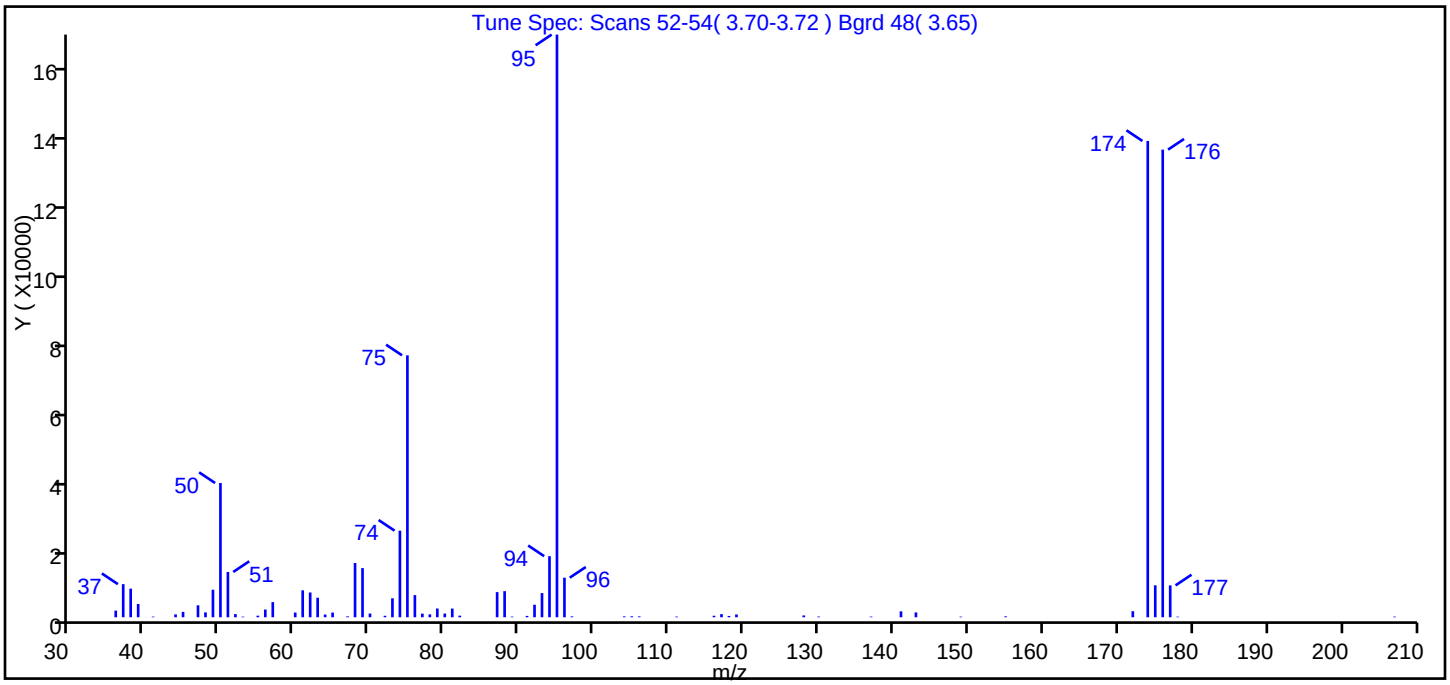
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.709	3.709	0.0	0	604369	0	

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

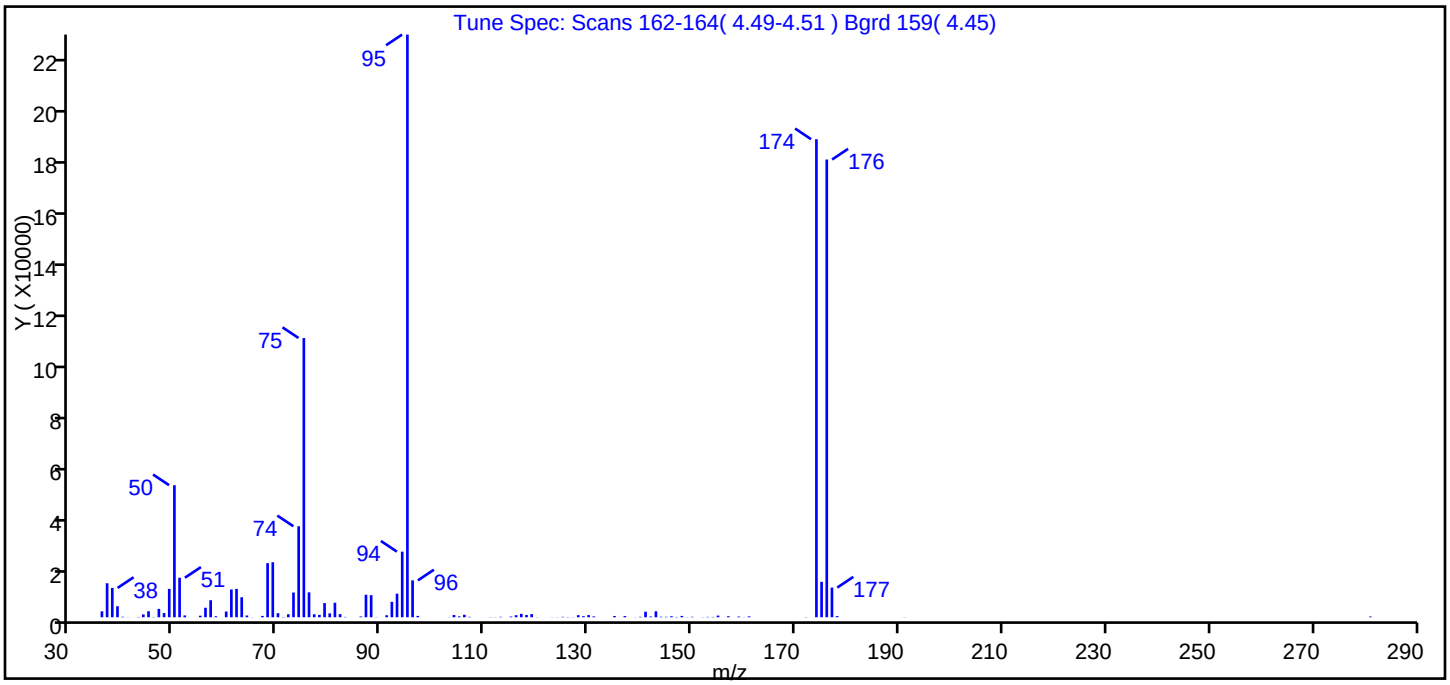
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	510476	0	

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

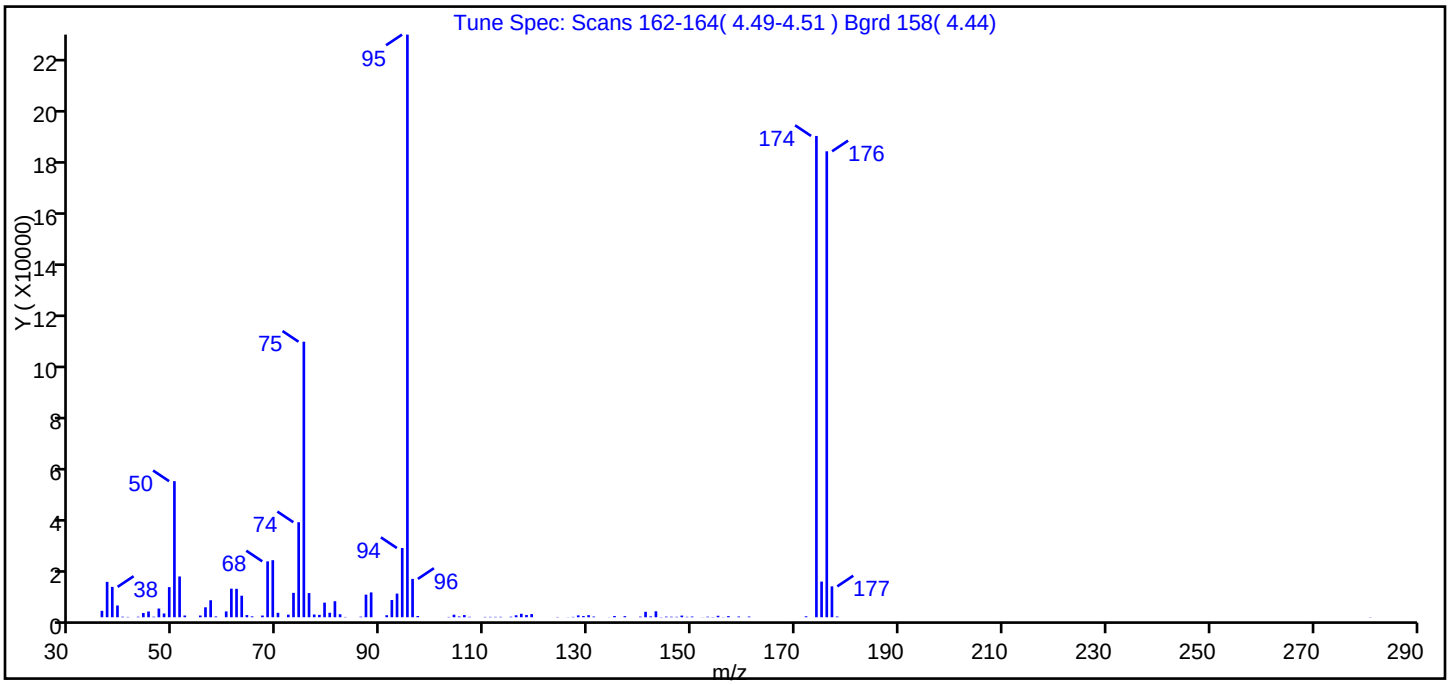
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	538648	0	

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		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\BFB14397.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	14-Apr-2013 09:08:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018847-016 =240-0018847-016		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	81838	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\8260_14.m		
Last Update:	15-Apr-2013 11:38:27	Calib Date:	14-Apr-2013 12:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: macenczaks		Date:	15-Apr-2013 10:21:36

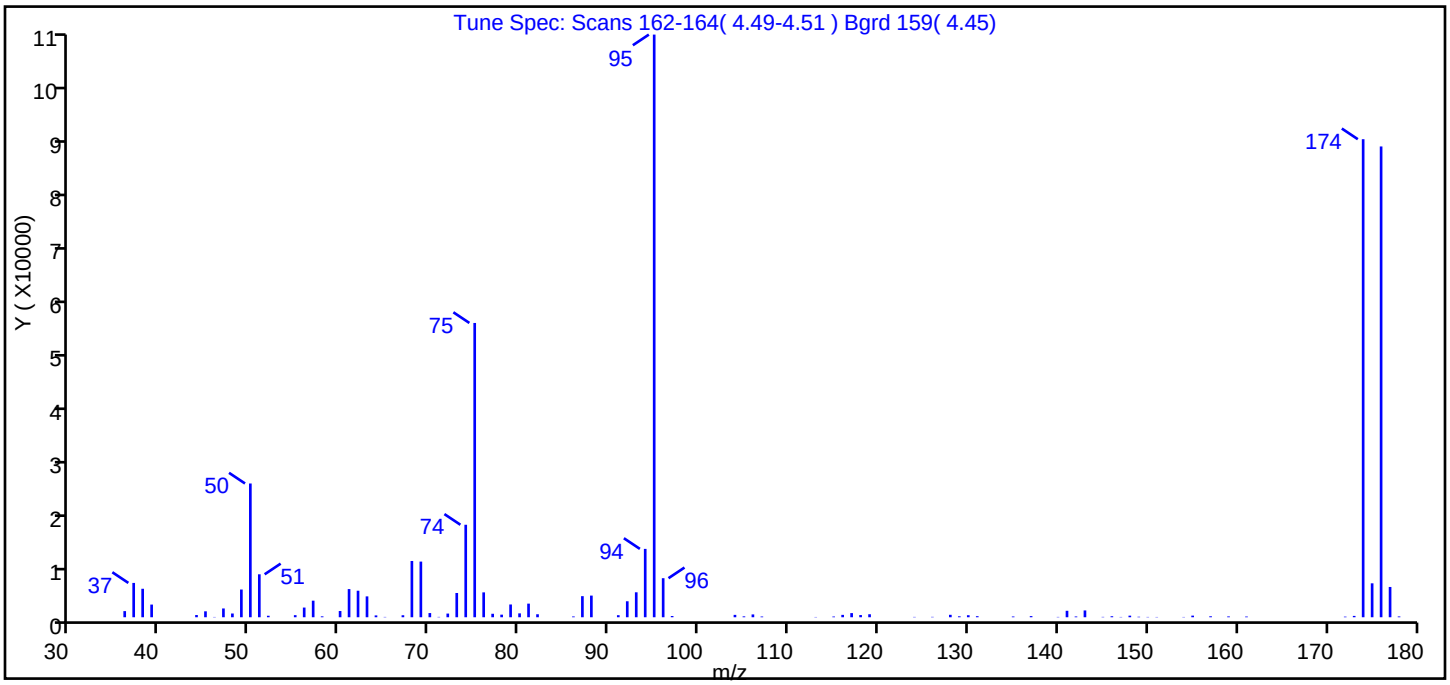
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	234389	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\BFB14397.D		
Injection Date:	14-Apr-2013 09:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81838	Lims Sample ID:	16
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	22.96
75	30.00 - 60.00% of mass 95	50.51
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.23 (0.28)
174	Greater than 50.00% of mass 95	82.05
175	5.00 - 9.00% of mass 174	5.82 (7.10)
176	95.00 - 101.00% of mass 174	80.80 (98.48)
177	5.00 - 9.00% of mass 176	5.20 (6.43)

Report Date: 15-Apr-2013 11:38:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Data File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\BFB14397.D\8260_14.rslt\spectra.d
Injection Date: 14-Apr-2013 09:08:30
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: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1070	67.00	351	95.00	101544	142.00	138
37.00	5984	68.00	9807	96.00	6806	143.00	1188
38.00	4965	69.00	9700	97.00	213	145.00	66
39.00	2211	70.00	730	104.00	416	146.00	176
44.00	387	71.00	62	105.00	155	147.00	53
45.00	1035	72.00	642	106.00	494	148.00	278
46.00	52	73.00	4228	107.00	130	149.00	88
47.00	1533	74.00	16120	113.00	50	150.00	57
48.00	655	75.00	51288	115.00	129	151.00	51
49.00	4833	76.00	4336	116.00	416	154.00	52
50.00	23312	77.00	608	117.00	725	155.00	284
51.00	7486	78.00	453	118.00	383	157.00	170
52.00	262	79.00	2226	119.00	524	159.00	144
55.00	365	80.00	678	124.00	60	161.00	127
56.00	1690	81.00	2375	126.00	70	172.00	108
57.00	2891	82.00	522	128.00	427	173.00	235
58.00	157	86.00	139	129.00	164	174.00	83312
60.00	1087	87.00	3676	130.00	354	175.00	5914
61.00	4909	88.00	3775	131.00	186	176.00	82048
62.00	4624	91.00	359	135.00	134	177.00	5279
63.00	3639	92.00	2787	137.00	201	178.00	142
64.00	323	93.00	4351	140.00	59		
65.00	58	94.00	11915	141.00	1126		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130415-18872.b\BFB14398.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Apr-2013 10:53:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018872-001 =240-0018872-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	81930	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m		
Last Update:	16-Apr-2013 15:26:44	Calib Date:	14-Apr-2013 12:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK029		
First Level Reviewer: macenczaks		Date:	15-Apr-2013 11:01:03

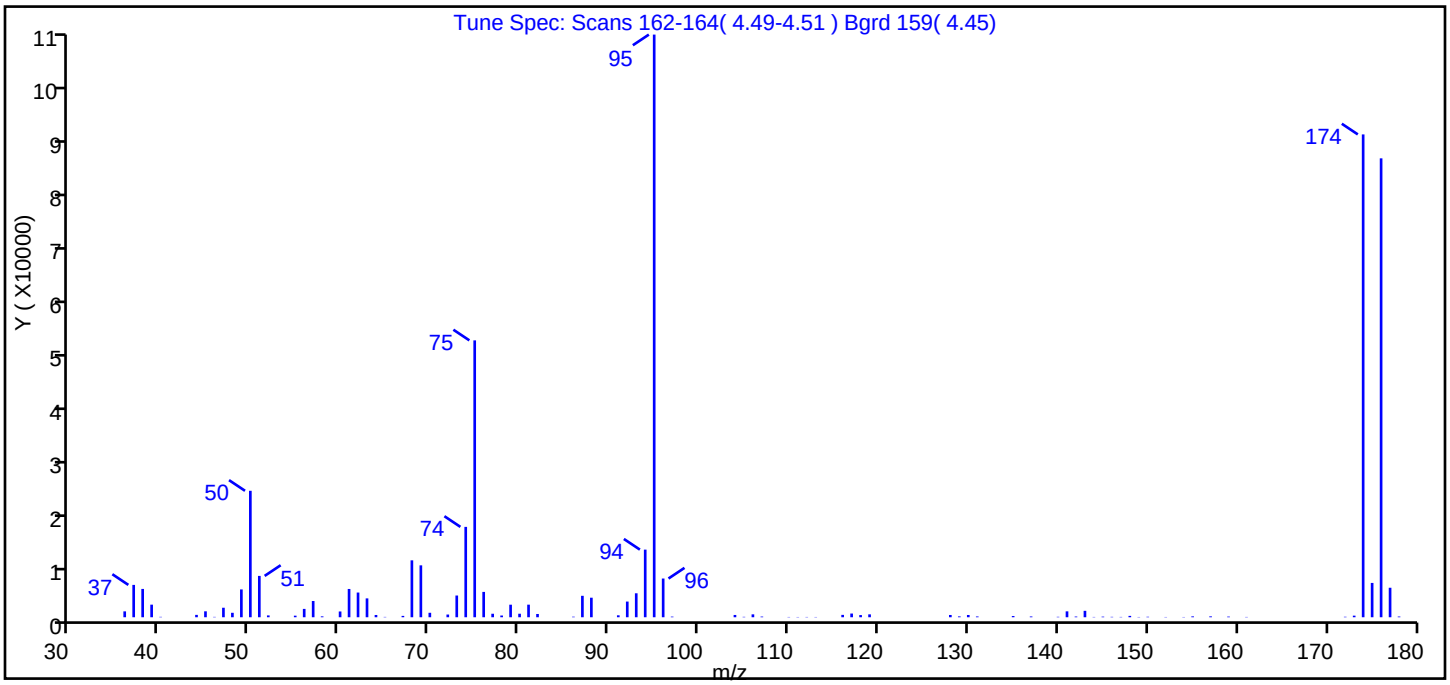
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	250536	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130415-18872.b\BFB14398.D		
Injection Date:	15-Apr-2013 10:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	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	21.70
75	30.00 - 60.00% of mass 95	47.52
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.27 (0.33)
174	Greater than 50.00% of mass 95	82.87
175	5.00 - 9.00% of mass 174	5.89 (7.11)
176	95.00 - 101.00% of mass 174	78.76 (95.04)
177	5.00 - 9.00% of mass 176	5.06 (6.43)

Report Date: 16-Apr-2013 15:26:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\BFB14398.D\8260_14.rslt\spectra.d
Injection Date: 15-Apr-2013 10:53:30
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: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1096	65.00	65	95.00	108520	142.00	135
37.00	6027	67.00	254	96.00	7213	143.00	1197
38.00	5275	68.00	10601	97.00	121	144.00	58
39.00	2347	69.00	9668	104.00	426	145.00	116
40.00	76	70.00	834	105.00	79	146.00	78
44.00	442	72.00	506	106.00	542	147.00	62
45.00	1106	73.00	4048	107.00	129	148.00	255
46.00	69	74.00	16832	110.00	55	149.00	53
47.00	1772	75.00	51568	111.00	52	150.00	92
48.00	831	76.00	4721	112.00	57	152.00	53
49.00	5182	77.00	654	113.00	53	154.00	51
50.00	23552	78.00	323	116.00	443	155.00	163
51.00	7701	79.00	2339	117.00	693	157.00	165
52.00	343	80.00	657	118.00	406	159.00	125
55.00	294	81.00	2346	119.00	541	161.00	59
56.00	1556	82.00	609	128.00	424	172.00	91
57.00	3024	86.00	105	129.00	160	173.00	298
58.00	165	87.00	3993	130.00	422	174.00	89928
60.00	1077	88.00	3642	131.00	149	175.00	6393
61.00	5268	91.00	364	135.00	225	176.00	85472
62.00	4603	92.00	2922	137.00	148	177.00	5495
63.00	3515	93.00	4464	140.00	84	178.00	137
64.00	422	94.00	12596	141.00	1101		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
591-78-6	2-Hexanone	1.0	U	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54

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

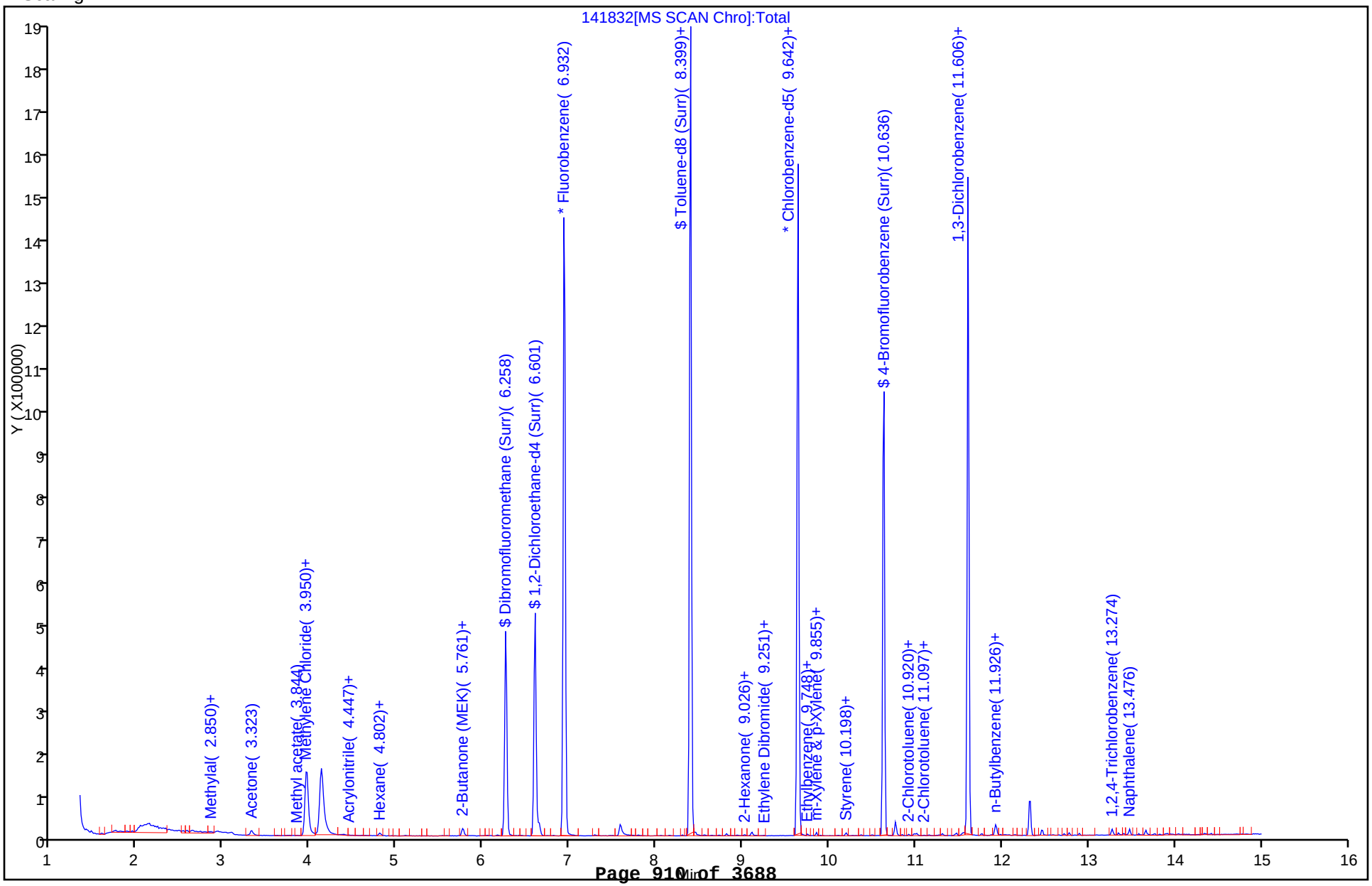
Report Date: 09-Apr-2013 16:28:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

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.: 240-22804-1

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

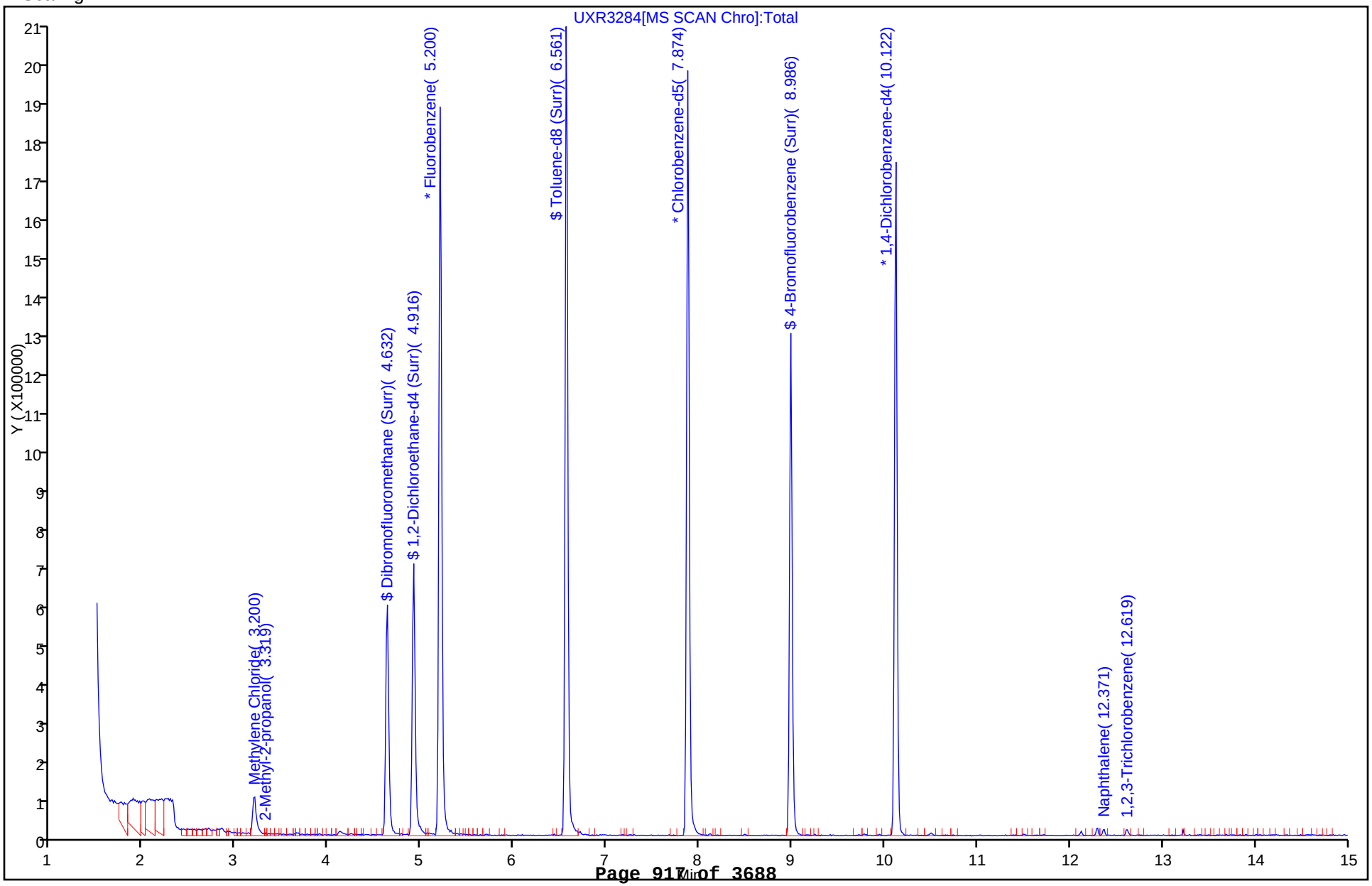
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81930/7

Matrix: Solid | Lab File ID: 142030.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/15/2013 13:05

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.: 81930 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	7.08	J	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	0.50	U	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
75-09-2	Methylene Chloride	1.0	U	5.0	1.0	0.67
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.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-81930/7

Matrix: Solid Lab File ID: 142030.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/15/2013 13:05

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.: 81930 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130
2037-26-5	Toluene-d8 (Surr)	88		85-115
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142030.D
Lims ID: MB Client ID:
Inject. Date: 15-Apr-2013 13:05:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0018872-007 =240-0018872-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 81930 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 15-Apr-2013 13:37:23

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	1151318	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	721132	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	355086	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	66	247954	40.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	297212	46.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	94	943023	44.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	92	314262	44.4	
135 1,4-Dichlorobutane	1		0.000					
136 Hexachloroethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.465					9
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.223					
17 Dichlorofluoromethane	67		2.495					
18 Trichlorofluoromethane	101		2.542					
19 Ethyl ether	59	2.921	2.921	0.0	65	1495	0.2788	
25 Methylal	45		2.932					9
20 Acrolein	56		3.086					9
21 1,1-Dichloroethene	96		3.205					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.240					
22 Acetone	43	3.311	3.311	0.0	92	23094	7.08	
24 Iodomethane	142		3.406					
26 Carbon disulfide	76		3.477					9

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		3.749					
28 Methyl acetate	43	3.832	3.832	0.0	80	3688	0.9097	
30 Methylene Chloride	84	3.950	3.950	0.0	98	28543	0.1670	
31 2-Methyl-2-propanol	59		4.258					9
32 Acrylonitrile	53	4.376	4.364	0.012	80	3551	1.84	
33 trans-1,2-Dichloroethene	96		4.388					9
34 Methyl tert-butyl ether	73		4.412					
35 Hexane	86	4.802	4.802	0.0	81	490	0.2960	
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		5.134					
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					
41 2-Butanone (MEK)	43		5.749					
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					
53 Carbon tetrachloride	117		6.435					
52 1,1-Dichloropropene	75		6.435					9
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		7.275					9
60 Trichloroethene	130		7.287					9
63 Methylcyclohexane	83		7.465					
62 1,2-Dichloropropane	63		7.500					9
65 Dibromomethane	93		7.607					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	8.305	0.0	70	2007	0.4603	
72 Toluene	91		8.458					9
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					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
78 2-Hexanone	43	9.015	9.015	0.0	52	2243	0.8605	
132 n-Butyl acetate	43		9.133					14
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107	9.239	9.251	-0.012	40	386	0.1094	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112		9.665					9
83 1,1,1,2-Tetrachloroethane	131		9.736					
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					
88 Isopropylbenzene	105		10.494					9
89 Cyclohexanone	55		10.588					
90 1,1,2,2-Tetrachloroethane	83		10.742					9
91 Bromobenzene	156		10.766					9
93 trans-1,4-Dichloro-2-butene	53		10.790					9
92 1,2,3-Trichloropropane	110		10.790					
94 N-Propylbenzene	120		10.849					9
95 2-Chlorotoluene	126		10.920					9
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	45	2332	0.1799	
101 4-Isopropyltoluene	119		11.571					9
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	54	3977	0.3058	
103 1,2,3-Trimethylbenzene	105		11.665					9
105 n-Butylbenzene	91	11.914	11.914	0.0	54	2277	0.1001	
106 1,2-Dichlorobenzene	146		11.949					9
107 1,2-Dibromo-3-Chloropropane	157		12.600					
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.286	13.274	0.012	58	3190	0.4196	
110 Hexachlorobutadiene	225		13.416					9
111 Naphthalene	128	13.476	13.476	0.0	83	8648	0.5922	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	56	2555	0.3967	
113 2-Methylnaphthalene	142		14.351					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1255674	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1552373	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		16.530					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

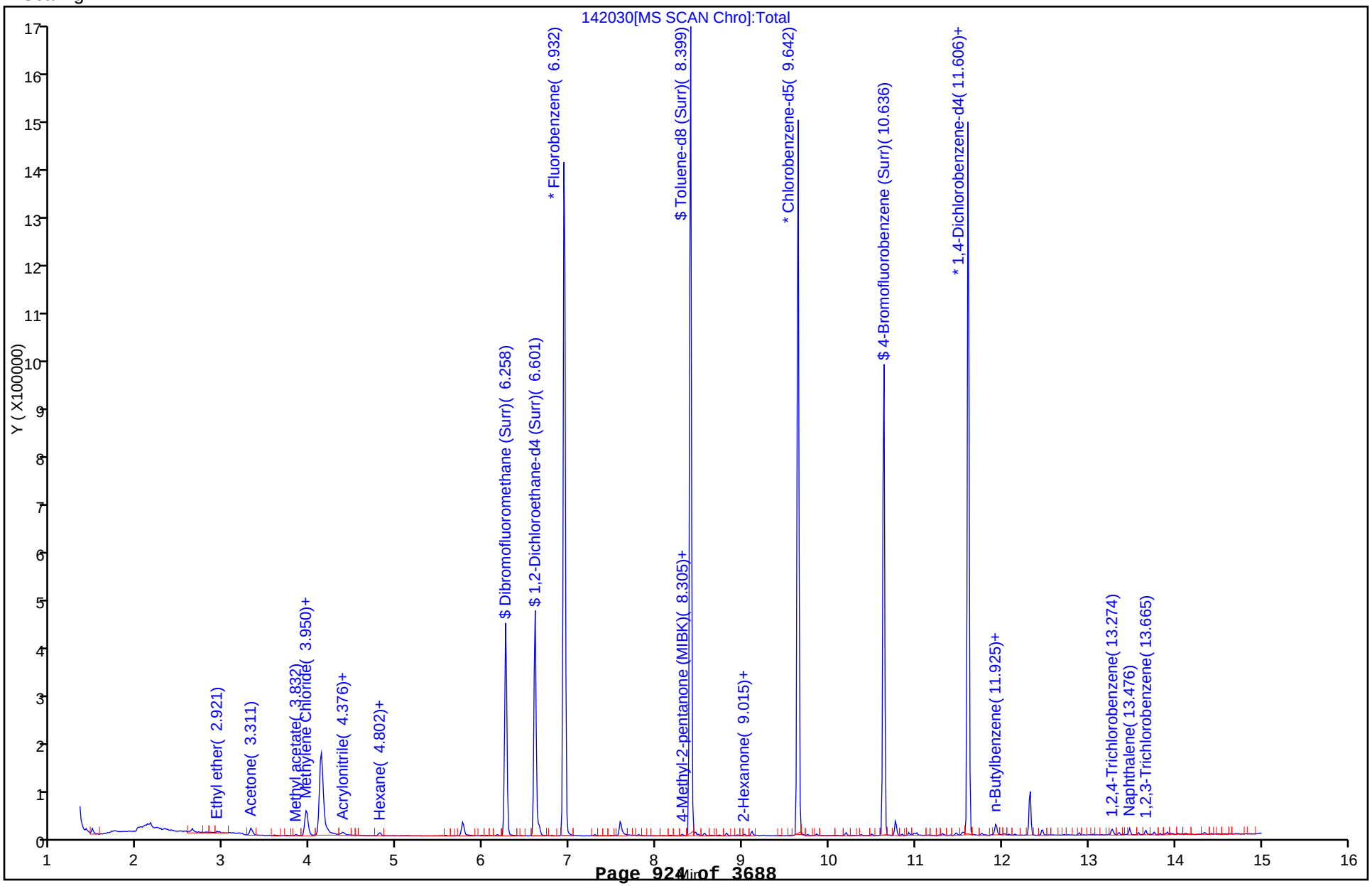
Report Date: 16-Apr-2013 15:26:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142030.D

Injection Date:	15-Apr-2013 13:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



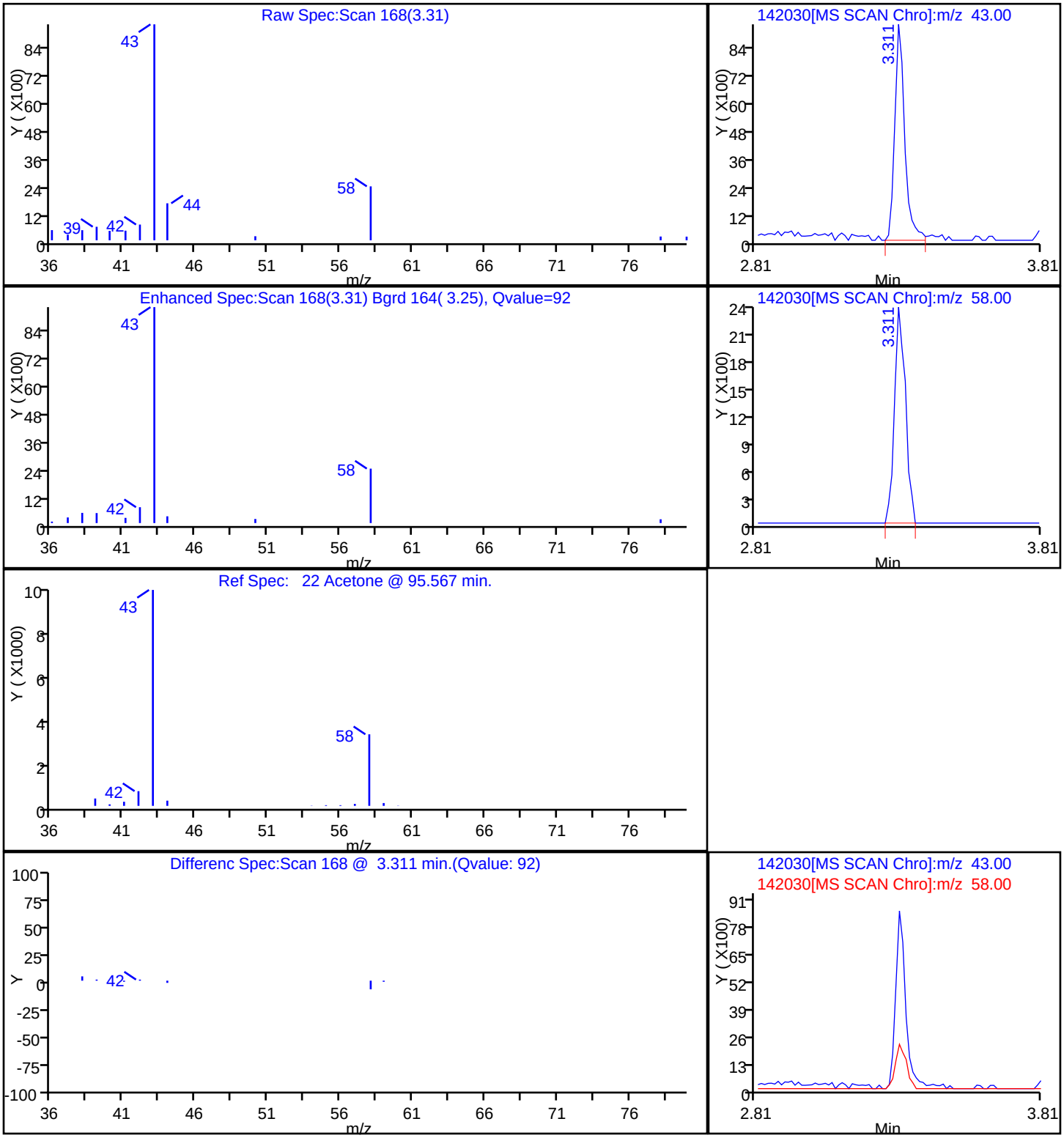
Report Date: 16-Apr-2013 15:26:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142030.D

Injection Date:	15-Apr-2013 13:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
591-78-6	2-Hexanone	90.6		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	93.2		20	1.0	0.54

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	

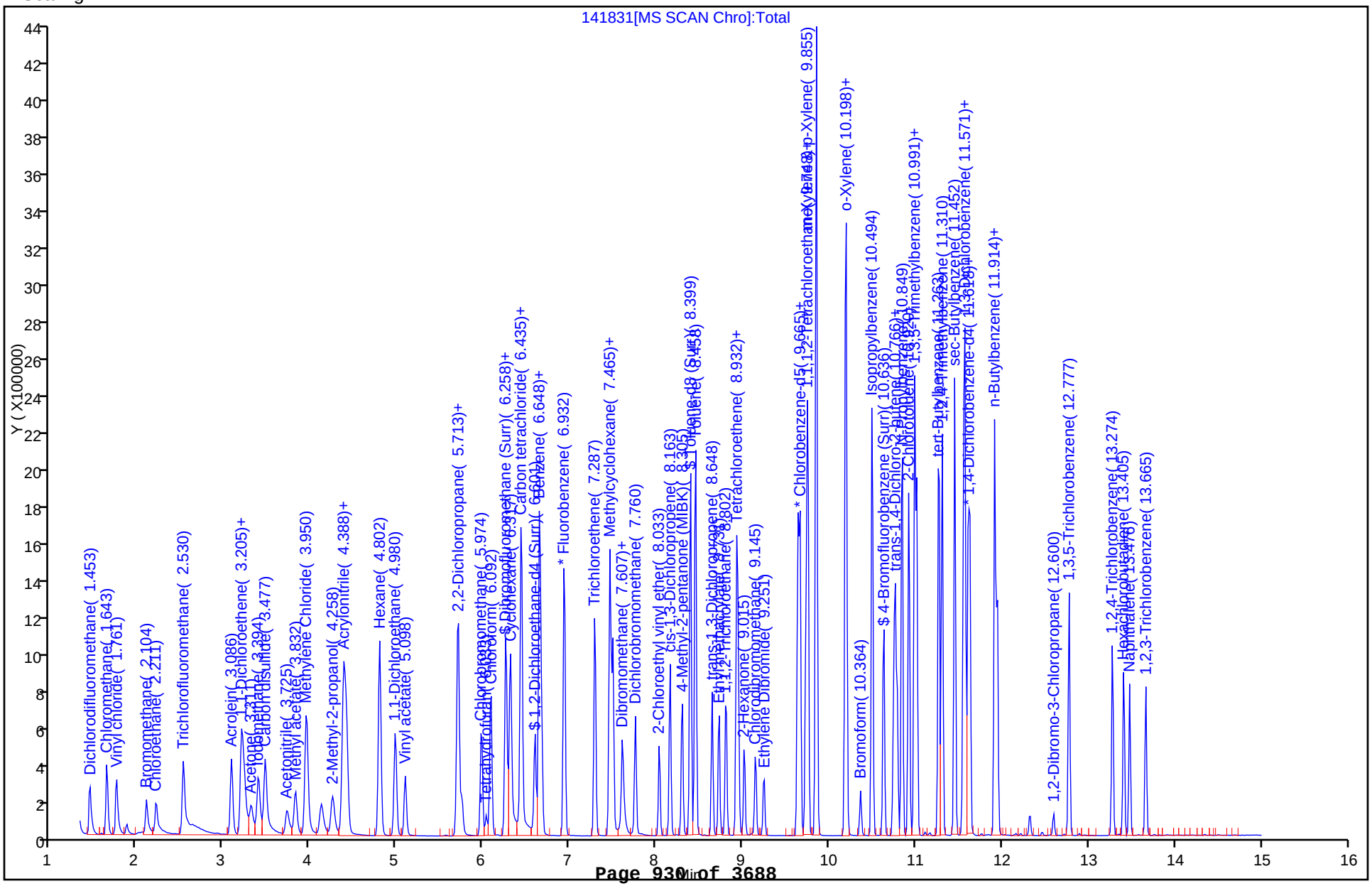
Report Date: 09-Apr-2013 16:28:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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.: 240-22804-1

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	

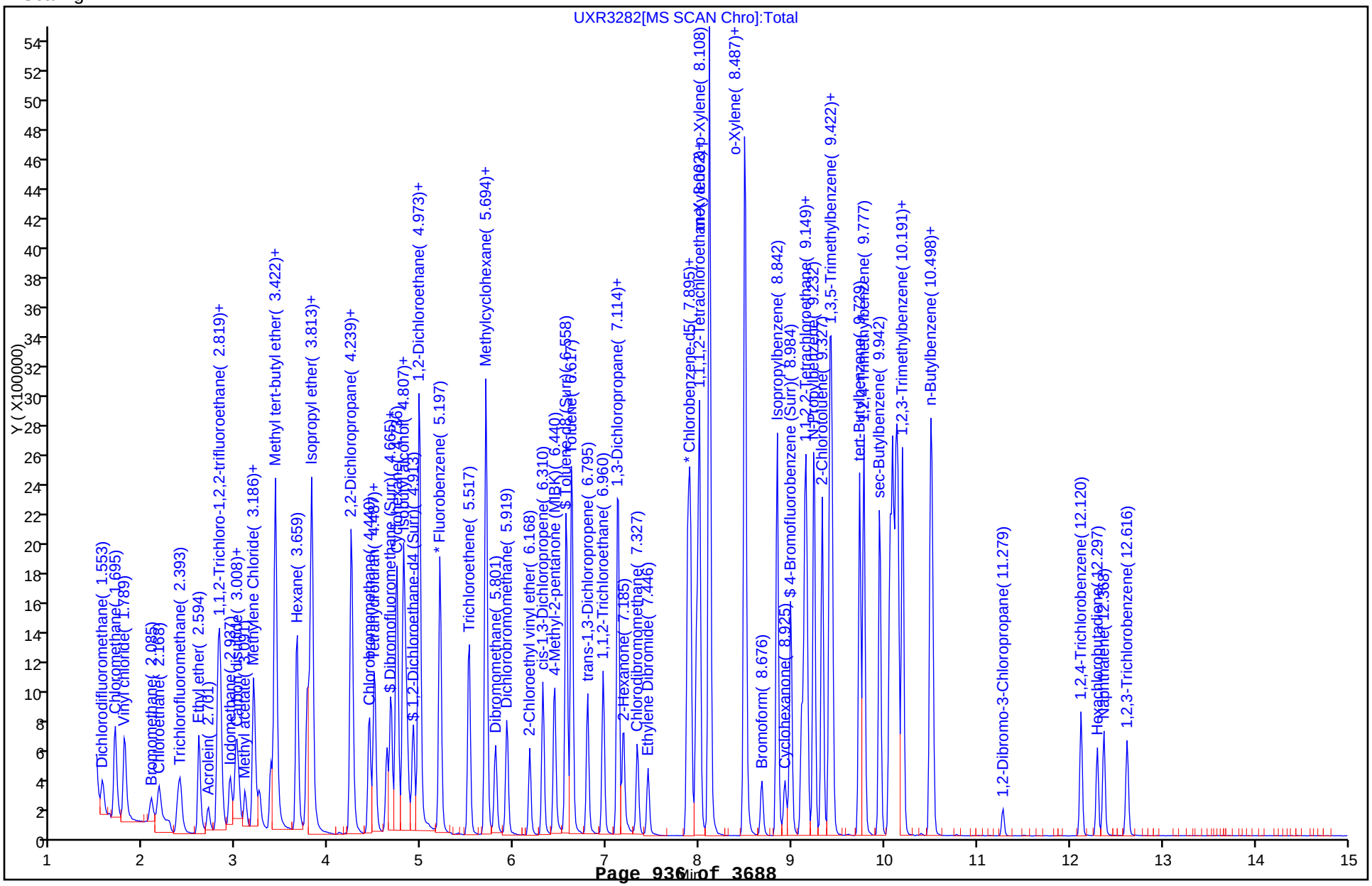
Report Date: 09-Apr-2013 08:43:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81930/35

Matrix: Solid | Lab File ID: 142031.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/15/2013 13:26

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.: 81930 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	120		20	6.3	6.3
71-43-2	Benzene	53.9		5.0	0.50	0.23
75-25-2	Bromoform	47.6		5.0	0.50	0.33
74-83-9	Bromomethane	46.5		5.0	1.0	0.54
75-15-0	Carbon disulfide	51.8		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	56.3		5.0	0.50	0.37
75-34-3	1,1-Dichloroethane	56.2		5.0	0.50	0.36
108-90-7	Chlorobenzene	52.0		5.0	0.50	0.33
107-06-2	1,2-Dichloroethane	53.9		5.0	0.50	0.34
74-87-3	Chloromethane	44.9		5.0	0.50	0.41
75-35-4	1,1-Dichloroethene	55.8		5.0	1.0	0.52
10061-01-5	cis-1,3-Dichloropropene	50.5		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	110		10	1.0	0.77
124-48-1	Dibromochloromethane	48.2		5.0	1.0	0.55
78-87-5	1,2-Dichloropropane	55.0		5.0	1.0	0.69
75-27-4	Bromodichloromethane	47.5		5.0	0.50	0.28
100-41-4	Ethylbenzene	55.2		5.0	0.50	0.26
75-09-2	Methylene Chloride	53.9		5.0	1.0	0.67
100-42-5	Styrene	55.8		5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	55.1		5.0	0.50	0.34
127-18-4	Tetrachloroethene	55.5		5.0	1.0	0.52
108-88-3	Toluene	54.3		5.0	0.50	0.27
67-66-3	Chloroform	54.8		5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	55.3		5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	54.4		5.0	1.0	0.56
74-97-5	Bromochloromethane	54.4		5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	54.7		5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	56.6		5.0	1.0	0.50
79-01-6	Trichloroethene	54.2		5.0	0.50	0.42
75-01-4	Vinyl chloride	47.0		5.0	0.50	0.39
75-00-3	Chloroethane	49.9		5.0	1.0	0.86
1330-20-7	Xylenes, Total	109		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-81930/35

Matrix: Solid Lab File ID: 142031.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/15/2013 13:26

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.: 81930 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130
2037-26-5	Toluene-d8 (Surr)	88		85-115
460-00-4	4-Bromofluorobenzene (Surr)	86		85-120
1868-53-7	Dibromofluoromethane (Surr)	87		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142031.D
Lims ID: lcs Client ID:
Inject. Date: 15-Apr-2013 13:26:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0018872-035 =240-0018872-035
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 81930 Lims Sample ID: 35
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 15-Apr-2013 13:47:26

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	1167769	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	754911	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	371229	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	81	268367	43.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	305762	47.1	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	987809	44.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	319645	43.1	
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	341004	41.4	
13 Chloromethane	50	1.643	1.643	0.0	100	453645	44.9	
14 Vinyl chloride	62	1.773	1.773	0.0	99	383009	47.0	
15 Bromomethane	94	2.104	2.104	0.0	91	116269	46.5	
16 Chloroethane	64	2.223	2.223	0.0	97	199411	49.9	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	533466	50.2	
18 Trichlorofluoromethane	101	2.554	2.542	0.012	100	484375	49.5	
19 Ethyl ether	59	2.933	2.921	0.012	97	285217	52.4	
20 Acrolein	56	3.086	3.086	0.0	96	376065	821.2	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	334144	55.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	94	298459	54.9	
22 Acetone	43	3.311	3.311	0.0	98	194354	120.1	
24 Iodomethane	142	3.406	3.406	0.0	99	583067	56.9	
26 Carbon disulfide	76	3.477	3.477	0.0	100	879666	51.8	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	86	175461	50.5	
28 Methyl acetate	43	3.832	3.832	0.0	97	1128291	274.4	
30 Methylene Chloride	84	3.962	3.950	0.012	98	363832	53.9	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	92	203646	488.6	
32 Acrylonitrile	53	4.364	4.364	0.0	98	1061549	542.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	378975	56.2	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	93	818492	54.6	
35 Hexane	86	4.802	4.802	0.0	95	101162	60.3	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	706855	56.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	5.098	5.098	0.0	97	55274	70.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	85	296700	52.3	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	384881	53.6	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	257176	111.8	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	171870	54.4	
48 Tetrahydrofuran	42	6.033	6.033	0.0	92	170665	106.7	
49 Chloroform	83	6.092	6.092	0.0	96	608092	54.8	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	96	512331	54.4	
51 Cyclohexane	56	6.317	6.317	0.0	95	780159	55.2	
53 Carbon tetrachloride	117	6.435	6.435	0.0	87	506796	56.3	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	518077	61.7	
54 Isobutyl alcohol	41	6.636	6.636	0.0	89	219555	1327.5	
55 Benzene	78	6.648	6.648	0.0	97	1397026	53.9	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	96	461762	53.9	
58 n-Heptane	100	6.944	6.944	0.0	94	115471	58.8	
60 Trichloroethene	130	7.287	7.287	0.0	97	405616	54.2	
63 Methylcyclohexane	83	7.465	7.465	0.001	97	671002	54.8	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	351319	55.0	
65 Dibromomethane	93	7.607	7.607	0.001	89	166130	55.9	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	41807	950.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	358298	47.5	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	92	198707	122.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	88	422205	50.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	549830	120.5	
72 Toluene	91	8.459	8.458	0.0	97	1418944	54.3	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	340633	55.3	
74 Ethyl methacrylate	69	8.731	8.731	0.0	94	277186	59.5	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	214848	54.7	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	301093	55.5	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	97	366993	53.9	
78 2-Hexanone	43	9.015	9.015	0.0	99	319915	117.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	92	224383	48.2	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	208936	56.6	
82 Chlorobenzene	112	9.665	9.665	0.0	92	846929	52.0	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	313576	54.0	
84 Ethylbenzene	106	9.760	9.760	0.0	98	486802	55.2	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	581189	54.3	
85 o-Xylene	106	10.186	10.186	0.0	95	582214	55.0	
86 Styrene	104	10.198	10.198	0.0	87	875059	55.8	
87 Bromoform	173	10.364	10.364	0.0	96	107209	47.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1634820	53.7	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	243422	55.1	
91 Bromobenzene	156	10.766	10.766	0.0	94	331498	49.9	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	75	77287	54.6	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	81	81007	54.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	429790	54.1	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	363463	52.6	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	1319575	55.6	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	359967	51.3	
97 tert-Butylbenzene	119	11.275	11.275	0.0	92	1214694	51.4	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	1292670	53.6	
99 sec-Butylbenzene	105	11.452	11.452	0.0	95	1707735	50.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	675052	49.8	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	89	1449468	52.3	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	665565	49.0	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1256565	52.9	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	615059	49.1	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	77	36371	51.5	
109 1,2,4-Trichlorobenzene	180	13.275	13.274	0.0	93	384556	48.4	
110 Hexachlorobutadiene	225	13.416	13.416	0.0	96	206428	51.1	
111 Naphthalene	128	13.476	13.476	0.0	97	753755	49.4	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	94	309441	46.0	
S 137 Trihalomethanes, Total	1				0		198.1	
S 11 1,2-Dichloroethene, Total	96				0		109.8	
S 9 1,3-Dichloropropene, Total	75				0		105.8	
S 114 Xylenes, Total	106				0		109.3	

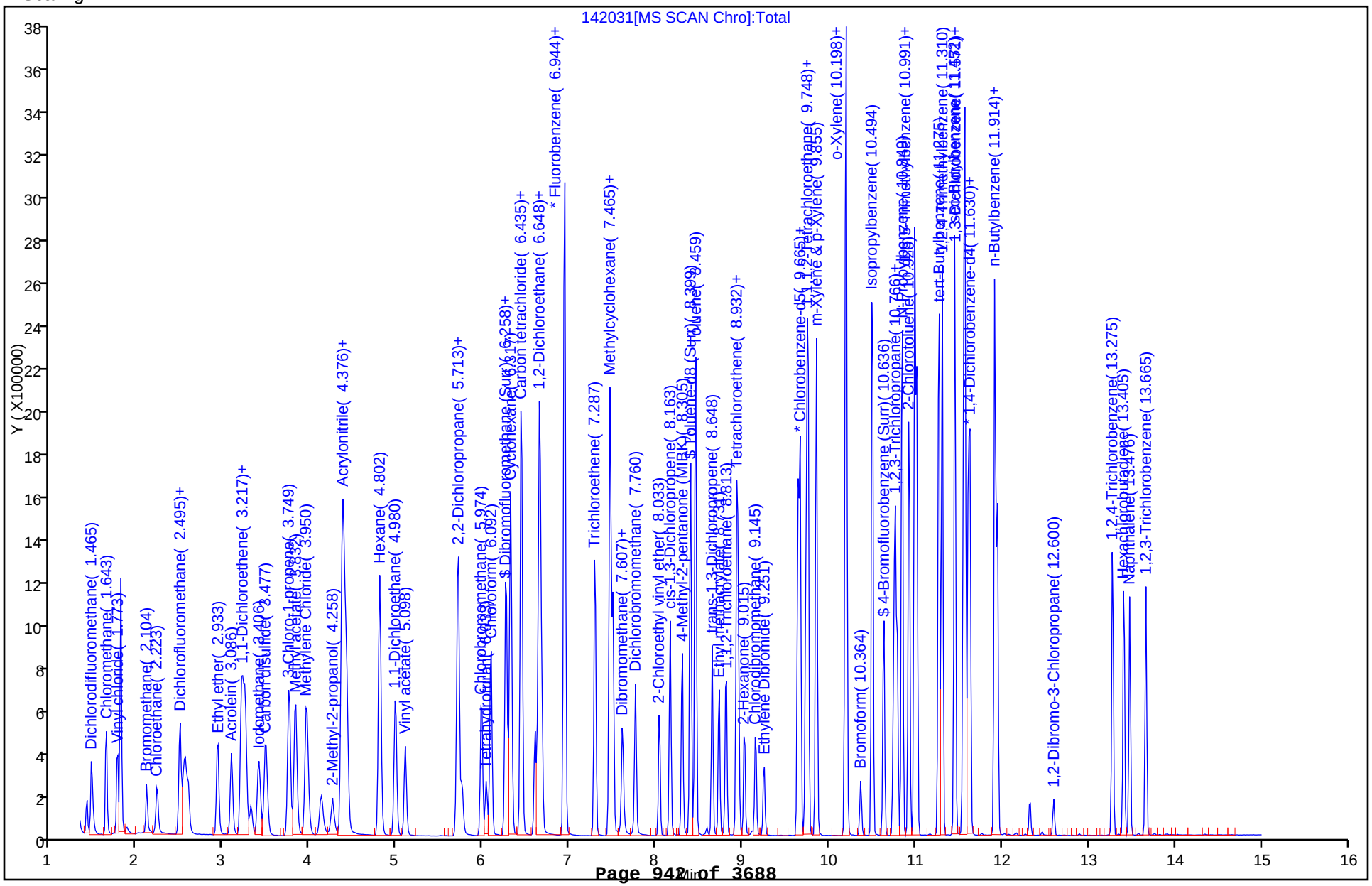
Report Date: 16-Apr-2013 15:26:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142031.D

Injection Date:	15-Apr-2013 13:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	35
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.: 240-22804-1

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
591-78-6	2-Hexanone	0.00953	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00862	J	0.010	0.00050	0.00032

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	Q	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

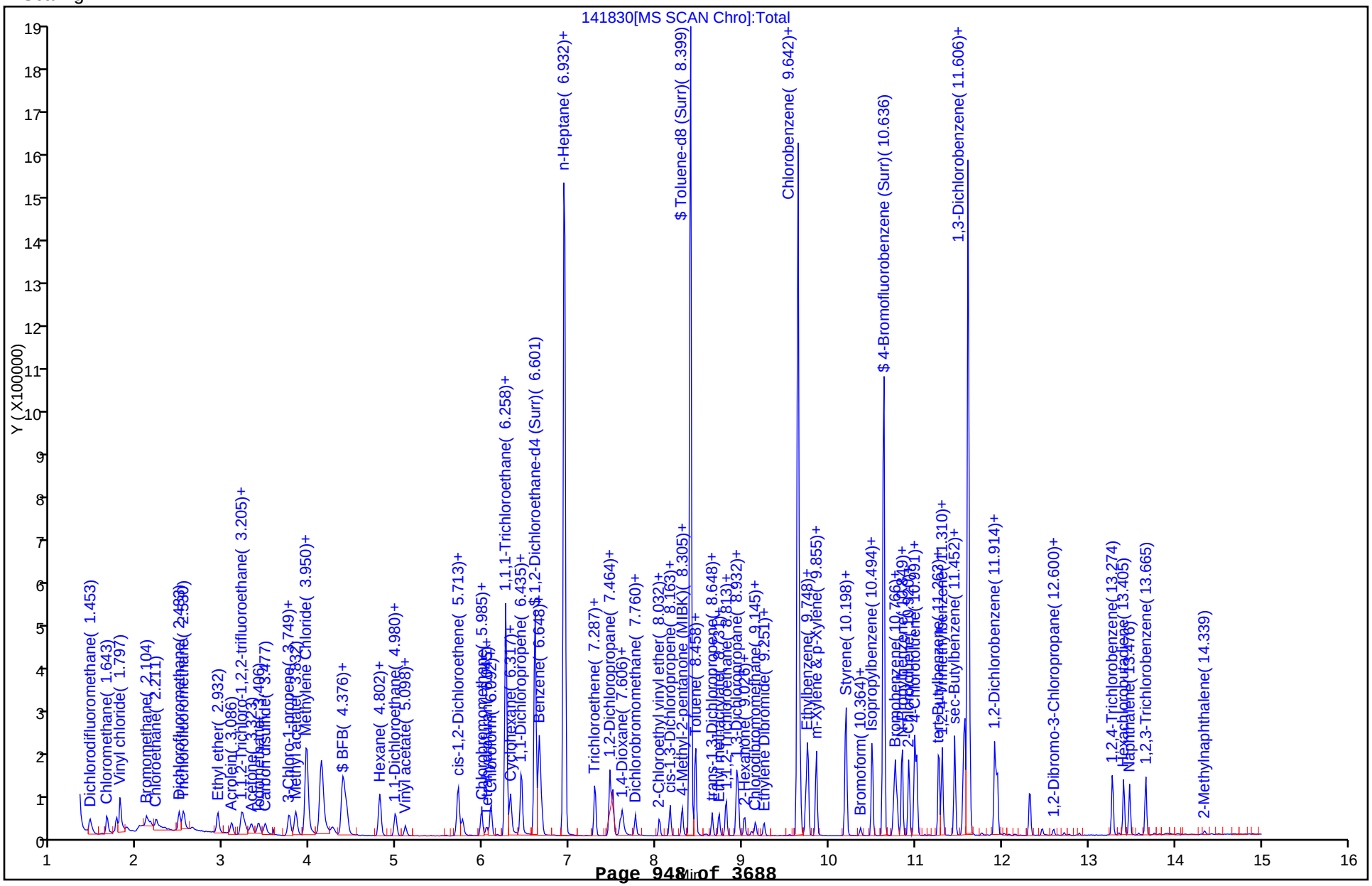
Report Date: 09-Apr-2013 16:28:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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
591-78-6	2-Hexanone	0.00935	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00983	J	0.010	0.00050	0.00032

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

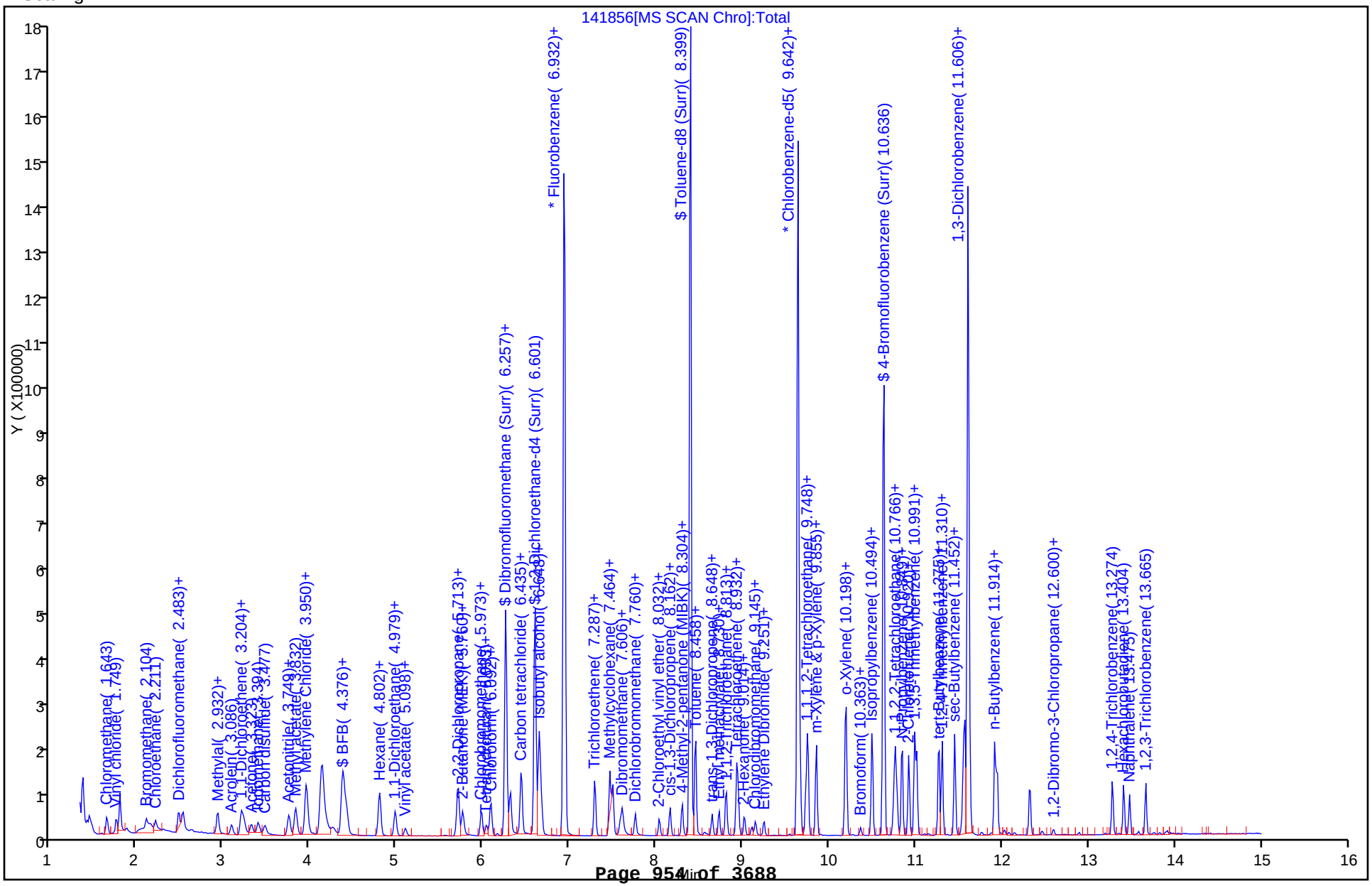
Report Date: 09-Apr-2013 16:29:02 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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.: 240-22804-1

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

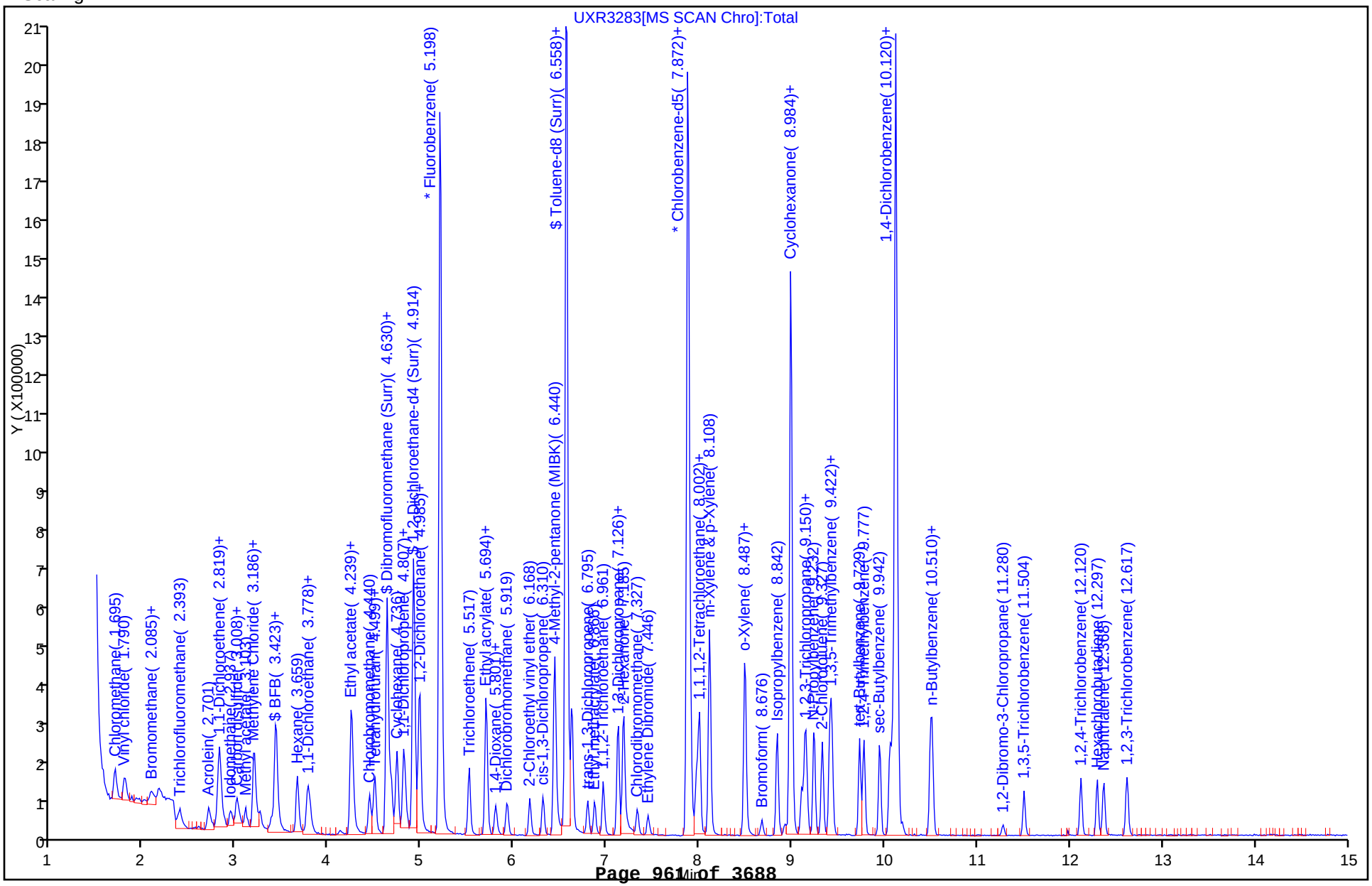
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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.: 240-22804-1

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

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

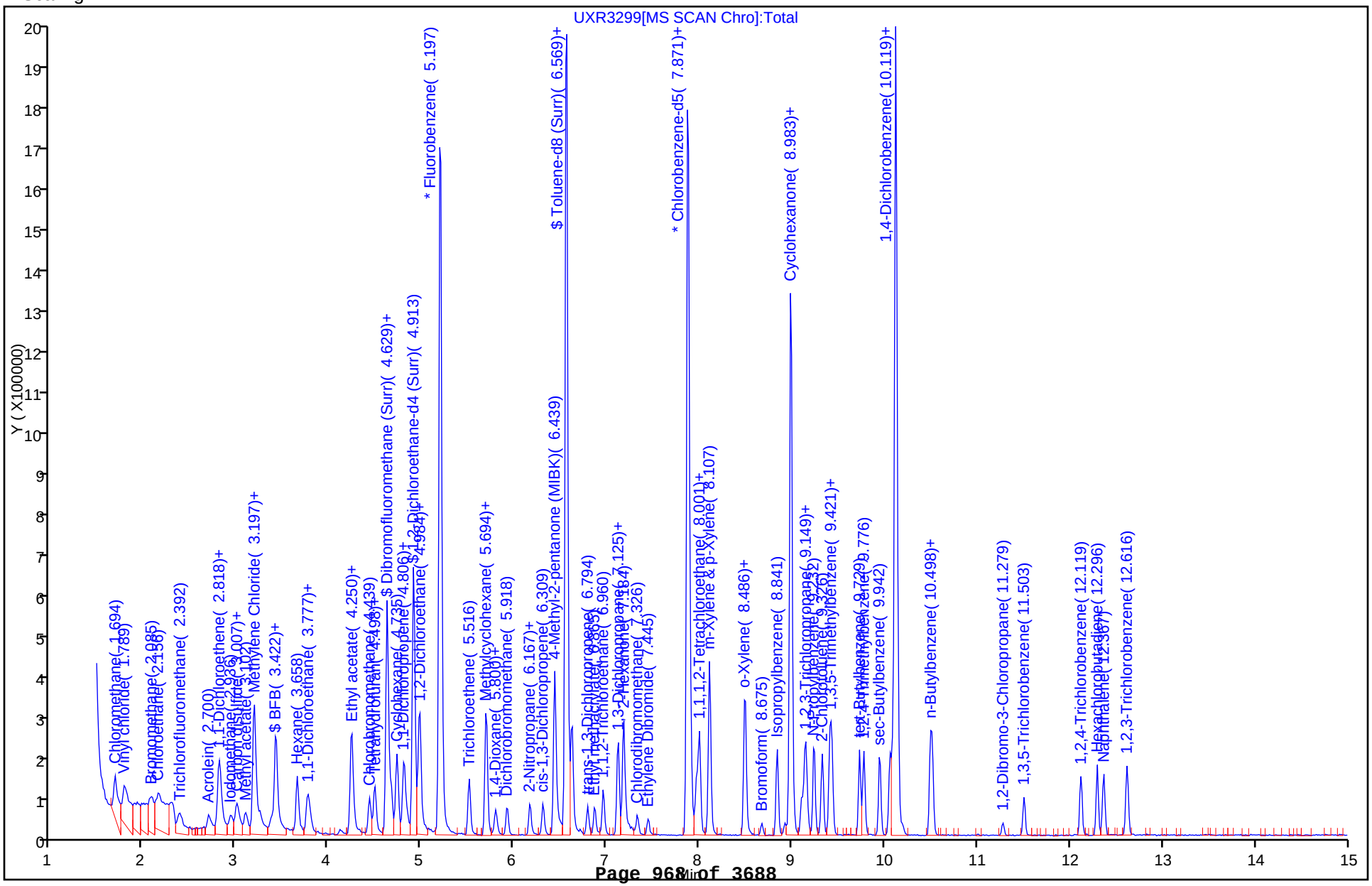
Report Date: 09-Apr-2013 08:43:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81930/5

Matrix: Solid | Lab File ID: 142028.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/15/2013 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.: 81930 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	0.0187	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00572		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00756	^	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00576		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00588		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00479		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00576		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00564		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00585		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00553		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00530		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00637		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.0113		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00641		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00580		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00535		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00572		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00633		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00552		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00589		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00592		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00571		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00565		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00626		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00516		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00563		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00573		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00558		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00564		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00581		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00616		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0117		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-81930/5

Matrix: Solid Lab File ID: 142028.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/15/2013 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.: 81930 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		50-150
2037-26-5	Toluene-d8 (Surr)	89		50-150
460-00-4	4-Bromofluorobenzene (Surr)	90		50-150
1868-53-7	Dibromofluoromethane (Surr)	87		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142028.D
Lims ID: qcmrl Client ID:
Inject. Date: 15-Apr-2013 12:22:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018872-005 =240-0018872-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 81930 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 15-Apr-2013 12:46:30

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	1120044	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	97	711185	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	354883	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1992	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	80	256598	43.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	295635	47.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	94	938897	44.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	92	317758	44.9	
135 1,4-Dichlorobutane	1		0.000					
136 Hexachloroethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	99	46423	5.87	
13 Chloromethane	50	1.631	1.643	-0.012	89	53614	5.53	
14 Vinyl chloride	62	1.761	1.773	-0.012	98	45382	5.81	
15 Bromomethane	94	2.104	2.104	0.0	88	13822	5.76	
16 Chloroethane	64	2.223	2.223	0.0	96	23627	6.16	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	94	59170	5.80	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	97	52027	5.55	
19 Ethyl ether	59	2.921	2.921	0.0	97	29143	5.59	
25 Methylal	45	2.921	2.932	-0.011	68	27347	0	
20 Acrolein	56	3.086	3.086	0.0	91	24820	56.5	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	88	30439	5.30	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	89	30538	5.86	
22 Acetone	43	3.311	3.311	0.0	98	39366	18.7	
24 Iodomethane	142	3.406	3.406	0.0	99	53135	5.40	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
26 Carbon disulfide	76	3.489	3.477	0.012	99	57714	5.88	
27 Acetonitrile	41	3.749	3.725	0.024	69	61271	102.1	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	80	15568	4.67	
28 Methyl acetate	43	3.832	3.832	0.0	97	109224	27.7	
30 Methylene Chloride	84	3.950	3.950	0.0	97	64630	6.33	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	83	28110	70.3	
32 Acrylonitrile	53	4.364	4.364	0.0	99	104285	55.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	36358	5.62	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	91	78230	5.44	
35 Hexane	86	4.802	4.802	0.0	95	8675	5.39	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	69453	5.76	
37 Vinyl acetate	86	5.098	5.098	0.0	97	3372	4.50	
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.134					
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	69	27978	5.14	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	39323	5.71	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	56	26165	11.9	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128	5.985	5.985	0.0	96	17051	5.63	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	88	17575	11.5	
49 Chloroform	83	6.092	6.092	0.0	96	60136	5.65	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	83	46661	5.16	
51 Cyclohexane	56	6.317	6.317	0.0	94	74294	5.48	
53 Carbon tetrachloride	117	6.435	6.435	0.0	79	41355	4.79	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	47291	5.87	
54 Isobutyl alcohol	41	6.636	6.636	0.0	89	23945	150.9	
55 Benzene	78	6.648	6.648	0.0	95	142299	5.72	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	88	48096	5.85	
57 Tert-amyl methyl ether	73		6.790					9
58 n-Heptane	100	6.944	6.944	0.0	78	10463	5.56	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					9
60 Trichloroethene	130	7.287	7.287	0.0	96	40449	5.64	
63 Methylcyclohexane	83	7.465	7.465	0.001	96	63332	5.39	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	92	35571	5.80	
65 Dibromomethane	93	7.607	7.607	0.001	87	15308	5.37	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	76	4719	111.8	
67 Dichlorobromomethane	83	7.760	7.760	0.0	89	28149	5.35	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	90	16635	10.7	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	86	31722	6.37	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	50676	11.8	
72 Toluene	91	8.459	8.458	0.001	97	140677	5.71	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	21820	6.26	
74 Ethyl methacrylate	69	8.731	8.731	0.0	91	22826	5.20	
75 1,1,2-Trichloroethane	97	8.814	8.813	0.001	94	21197	5.73	
77 Tetrachloroethene	164	8.932	8.932	0.0	96	30268	5.92	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.956	8.955	0.001	95	36540	5.69	
78 2-Hexanone	43	9.015	9.015	0.0	95	31844	12.4	
132 n-Butyl acetate	43		9.133					
79 Chlorodibromomethane	129	9.145	9.145	0.0	87	16123	6.41	
123 Ethylene Dibromide	107	9.251	9.251	0.0	95	19409	5.58	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	92	86417	5.64	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	85	26675	4.88	
84 Ethylbenzene	106	9.760	9.760	0.0	98	47525	5.72	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	59014	5.85	
85 o-Xylene	106	10.186	10.186	0.0	95	57808	5.80	
86 Styrene	104	10.198	10.198	0.0	89	81553	5.52	
87 Bromoform	173	10.364	10.364	0.0	94	8778	7.56	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	155776	5.44	
89 Cyclohexanone	55		10.588					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	24879	5.89	
91 Bromobenzene	156	10.766	10.766	0.0	94	37730	5.94	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	48	7912	5.85	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	79	8833	6.25	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	42795	5.63	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	40056	6.07	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	95	129303	5.69	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	38398	5.73	
97 tert-Butylbenzene	119	11.275	11.275	0.0	90	117846	5.22	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	131576	5.71	
99 sec-Butylbenzene	105	11.452	11.452	0.0	95	171434	5.78	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	95	74998	5.79	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	83	144111	5.44	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	88	77325	5.95	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	16	2188	0.1052	
105 n-Butylbenzene	91	11.914	11.914	0.0	95	128064	5.63	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	72108	6.03	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	56	3766	6.17	
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.275	13.274	0.0	95	47393	6.24	
110 Hexachlorobutadiene	225	13.417	13.416	0.0	96	27133	7.02	
111 Naphthalene	128	13.476	13.476	0.0	98	87826	6.02	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	41075	6.38	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	78	14003	1.64	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	10468895	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	13374489	0	
S 137 Trihalomethanes, Total	1				0		25.0	
S 11 1,2-Dichloroethene, Total	96				0		11.3	
S 9 1,3-Dichloropropene, Total	75				0		12.6	
S 114 Xylenes, Total	106				0		11.6	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

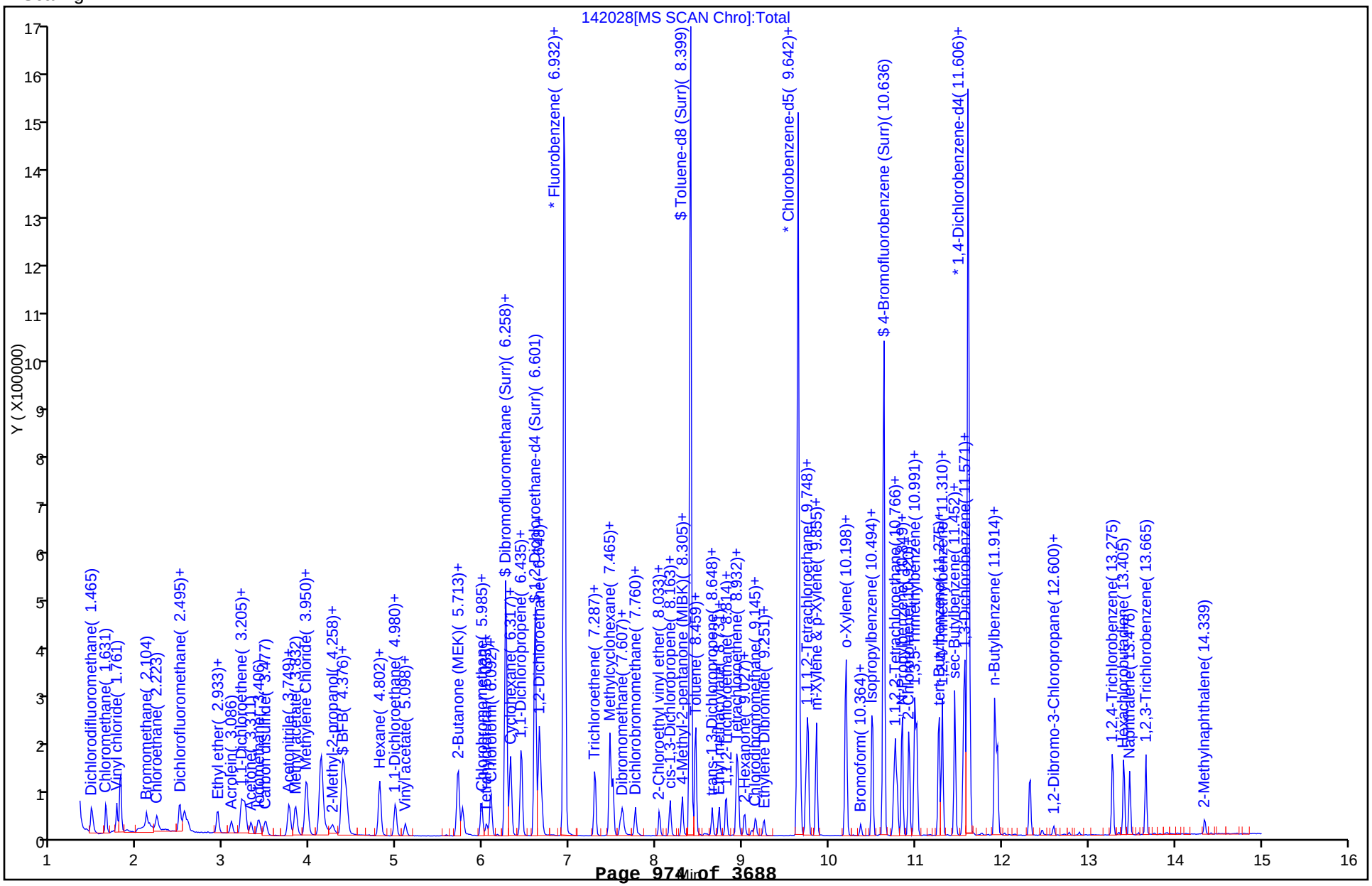
Report Date: 16-Apr-2013 15:26:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142028.D

Injection Date:	15-Apr-2013 12:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81930/15

Matrix: Solid | Lab File ID: 142039.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/15/2013 16:19

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.: 81930 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	0.0151	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00518		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00617		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00528		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00527		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00409		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00512		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00535		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00533		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00498		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00509		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00569		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.0100		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00575		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00529		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00496		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00519		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00565		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00470		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00484		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00561		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00546		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	0.00567		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00469		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00495		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00511		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00497		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00520		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00499		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00535		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0102		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-81930/15

Matrix: Solid Lab File ID: 142039.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/15/2013 16:19

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.: 81930 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-150
2037-26-5	Toluene-d8 (Surr)	88		50-150
460-00-4	4-Bromofluorobenzene (Surr)	86		50-150
1868-53-7	Dibromofluoromethane (Surr)	83		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142039.D
Lims ID: qcmrl Client ID:
Inject. Date: 15-Apr-2013 16:19:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: QCMRL
Misc. Info.: 240-0018872-015 =240-0018872-015
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 81930 Lims Sample ID: 15
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130415-18872.b\8260_14.m
Last Update: 16-Apr-2013 15:26:46 Calib Date: 14-Apr-2013 12:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130414-18847.b\142001.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: macenczaks Date: 16-Apr-2013 09:17:03

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	1181740	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	731959	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	364797	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1629	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	71	257286	41.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	300800	45.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	950901	43.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	314382	43.2	
135 1,4-Dichlorobutane	1		0.000					
136 Hexachloroethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.465	1.465	0.0	97	44492	5.33	
13 Chloromethane	50	1.631	1.643	-0.012	89	50956	4.98	
14 Vinyl chloride	62	1.761	1.773	-0.012	99	41078	4.99	
15 Bromomethane	94	2.104	2.104	0.0	90	13367	5.28	
16 Chloroethane	64	2.223	2.223	0.0	96	21659	5.35	
17 Dichlorofluoromethane	67	2.483	2.495	-0.012	92	58396	5.42	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	96	46518	4.70	
19 Ethyl ether	59	2.921	2.921	0.0	95	27446	4.99	
25 Methylal	45	2.921	2.932	-0.011	67	27173	0	
20 Acrolein	56	3.086	3.086	0.0	94	20406	44.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	98	30832	5.09	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	84	26507	4.82	
22 Acetone	43	3.311	3.311	0.0	98	36036	15.1	
24 Iodomethane	142	3.406	3.406	0.0	97	49472	4.77	

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	98	49975	5.27	
27 Acetonitrile	41	3.749	3.725	0.024	64	52185	82.4	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	79	14256	4.06	
28 Methyl acetate	43	3.832	3.832	0.0	97	106103	25.5	
30 Methylene Chloride	84	3.950	3.950	0.0	97	63865	5.65	
31 2-Methyl-2-propanol	59	4.246	4.258	-0.012	83	23249	55.1	
32 Acrylonitrile	53	4.364	4.364	0.0	98	95816	48.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	34321	5.03	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	90	74190	4.89	
35 Hexane	86	4.802	4.802	0.0	96	9042	5.32	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	85	65193	5.12	
37 Vinyl acetate	86	5.098	5.098	0.0	96	2787	3.52	
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.134					
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	70	23256	4.05	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	83	36295	5.00	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	77	22374	9.61	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128	5.974	5.985	-0.011	89	15817	4.95	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	16038	9.91	
49 Chloroform	83	6.092	6.092	0.0	95	57438	5.12	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	87	44758	4.69	
51 Cyclohexane	56	6.317	6.317	0.0	95	69972	4.89	
53 Carbon tetrachloride	117	6.435	6.435	0.0	85	37269	4.09	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	88	45080	5.31	
54 Isobutyl alcohol	41	6.636	6.636	0.0	89	21456	128.2	
55 Benzene	78	6.648	6.648	0.0	98	135868	5.18	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	88	46222	5.33	
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100	6.944	6.944	0.0	87	9936	5.00	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					9
60 Trichloroethene	130	7.287	7.287	0.0	95	39322	5.20	
63 Methylcyclohexane	83	7.465	7.465	0.001	96	61702	4.98	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	34225	5.29	
65 Dibromomethane	93	7.607	7.607	0.0	91	14710	4.89	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	83	4210	94.6	
67 Dichlorobromomethane	83	7.760	7.760	0.0	90	26608	4.96	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	89	15337	9.32	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	82	27425	5.69	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	97	41575	9.39	
72 Toluene	91	8.458	8.458	0.0	93	138397	5.46	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	92	18793	5.67	
74 Ethyl methacrylate	69	8.731	8.731	0.0	89	20219	4.48	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	19467	5.11	
77 Tetrachloroethene	164	8.932	8.932	0.0	96	29487	5.61	

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	95	35331	5.35	
78 2-Hexanone	43	9.026	9.015	0.011	93	24405	9.22	
132 n-Butyl acetate	43		9.133					1
79 Chlorodibromomethane	129	9.145	9.145	0.0	83	13440	5.75	
123 Ethylene Dibromide	107	9.251	9.251	0.0	93	17801	4.97	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	92	84506	5.35	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	87	23338	4.15	
84 Ethylbenzene	106	9.760	9.760	0.0	98	44390	5.19	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	53225	5.13	
85 o-Xylene	106	10.186	10.186	0.0	96	51973	5.06	
86 Styrene	104	10.198	10.198	0.0	87	71544	4.70	
87 Bromoform	173	10.364	10.364	0.0	90	5822	6.17	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	142109	4.82	
89 Cyclohexanone	55		10.588					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	96	21024	4.84	
91 Bromobenzene	156	10.766	10.766	0.0	93	31670	4.85	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	55	6317	4.54	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	70	7155	4.92	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	40195	5.15	
95 2-Chlorotoluene	126	10.920	10.920	0.0	95	35428	5.22	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	95	118473	5.08	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	33239	4.82	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	109851	4.73	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	117533	4.96	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	151807	5.05	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	67118	5.04	
101 4-Isopropyltoluene	119	11.571	11.571	0.0	79	126753	4.66	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	89	68416	5.12	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	94	112645	4.82	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	63101	5.13	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	46	2934	4.78	
108 1,3,5-Trichlorobenzene	180		12.778					
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	39064	5.00	
110 Hexachlorobutadiene	225	13.405	13.416	-0.011	95	22054	5.55	
111 Naphthalene	128	13.476	13.476	0.0	97	68047	4.54	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	33535	5.07	
113 2-Methylnaphthalene	142		14.351					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	10239938	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	12476992	0	
S 137 Trihalomethanes, Total	1				0		22.0	
S 11 1,2-Dichloroethene, Total	96				0		10.0	
S 9 1,3-Dichloropropene, Total	75				0		11.4	
S 114 Xylenes, Total	106				0		10.2	

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

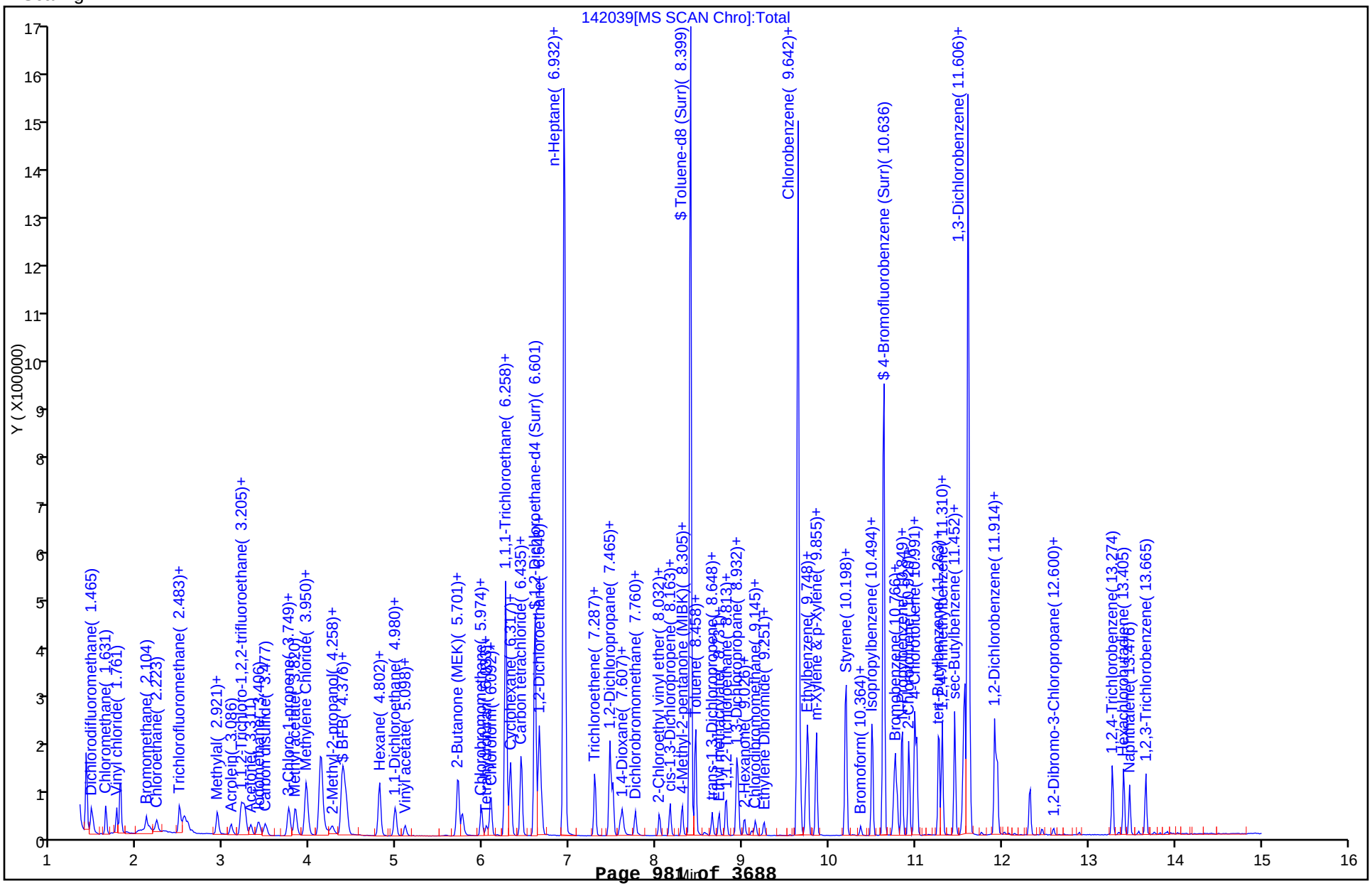
Report Date: 16-Apr-2013 15:26:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130415-18872.b\142039.D

Injection Date:	15-Apr-2013 16:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	81930	Lims Sample ID:	15
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.: 240-22804-1

SDG No.:

Client Sample ID: 078SB-0059-0001-IDW MS Lab Sample ID: 240-22804-1 MS

Matrix: Solid (TCLP) Lab File ID: UX936394.D

Analysis Method: 8260B/DoD Date Collected: 04/03/2013 10:00

Sample wt/vol: 0.2(mL) Date Analyzed: 04/19/2013 20:04

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.: 82781 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.990		0.25	0.025	0.029
71-43-2	Benzene	0.489		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.515		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.491		0.025	0.013	0.0075
107-06-2	1,2-Dichloroethane	0.492		0.025	0.013	0.011
75-35-4	1,1-Dichloroethene	0.521		0.025	0.013	0.0095
127-18-4	Tetrachloroethene	0.488		0.025	0.025	0.015
67-66-3	Chloroform	0.459		0.025	0.013	0.0080
79-01-6	Trichloroethene	0.494		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.454		0.025	0.013	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		80-121
2037-26-5	Toluene-d8 (Surr)	105		90-115
460-00-4	4-Bromofluorobenzene (Surr)	103		70-124
1868-53-7	Dibromofluoromethane (Surr)	98		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\UX936394.D
Lims ID: 240-22804-C-1-H MS Client ID:
Inject. Date: 19-Apr-2013 20:04:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0019074-010
Misc. Info.:
Operator: 1904 Instrument ID: A3UX9
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 82781 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\8260_9.m
Last Update: 19-Apr-2013 20:36:19 Calib Date: 29-Oct-2012 20:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX9\20121029-14498.b\UX934582.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: laveyt Date: 19-Apr-2013 20:36:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.307	5.307	0.0	99	1917178	20.0	
* 2 Chlorobenzene-d5	117	7.957	7.957	0.0	85	1481279	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.194	10.194	0.0	80	737535	20.0	
$ 5 Dibromofluoromethane (Surr)	113	4.739	4.739	0.0	58	444710	19.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.023	5.023	0.0	88	526098	18.5	
$ 7 Toluene-d8 (Surr)	98	6.656	6.656	0.0	92	1940211	20.9	
$ 131 4-Bromofluorobenzene (Surr)	95	9.070	9.069	0.001	92	711463	20.7	
12 Dichlorodifluoromethane	85	1.650	1.650	0.0	98	418816	17.3	
13 Chloromethane	50	1.816	1.816	0.0	100	501086	16.2	
14 Vinyl chloride	62	1.911	1.911	0.0	97	568544	18.2	
15 Bromomethane	94	2.207	2.206	0.001	88	353134	16.1	
16 Chloroethane	64	2.301	2.301	0.0	98	386553	18.1	
18 Trichlorofluoromethane	101	2.502	2.502	0.0	98	753158	21.3	
19 Ethyl ether	59	2.727	2.727	0.0	85	378983	19.3	
20 Acrolein	56	2.834	2.834	0.0	90	268775	77.8	
21 1,1-Dichloroethene	61	2.940	2.940	0.0	98	860847	20.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.940	2.940	0.0	90	439537	21.0	
22 Acetone	43	2.952	2.952	0.0	98	252607	39.7	
24 Iodomethane	142	3.082	3.082	0.0	98	791073	18.4	
26 Carbon disulfide	76	3.141	3.141	0.0	98	1527153	18.4	
27 Acetonitrile	41	3.189	3.189	0.0	99	150056	56.6	
28 Methyl acetate	43	3.224	3.224	0.0	96	369697	21.1	
30 Methylene Chloride	49	3.342	3.342	0.0	80	636149	17.1	
31 2-Methyl-2-propanol	59	3.390	3.390	0.0	99	884398	462.2	
32 Acrylonitrile	53	3.520	3.508	0.012	99	547123	60.9	
34 Methyl tert-butyl ether	73	3.544	3.532	0.012	89	1374436	18.9	
33 trans-1,2-Dichloroethene	61	3.555	3.544	0.011	93	650712	19.5	
35 Hexane	57	3.757	3.757	0.0	90	368533	19.5	
36 1,1-Dichloroethane	63	3.887	3.887	0.0	98	770824	21.5	
37 Vinyl acetate	86	3.910	3.910	0.0	99	93799	18.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.922	3.923	0.0	83	453067	19.7	
41 2-Butanone (MEK)	72	4.360	4.360	0.0	68	118082	39.6	
42 cis-1,2-Dichloroethene	61	4.360	4.360	0.0	80	631858	20.0	
43 2,2-Dichloropropane	77	4.360	4.360	0.0	63	241198	20.6	
47 Chlorobromomethane	49	4.549	4.549	0.0	70	344815	18.4	
48 Tetrahydrofuran	42	4.597	4.597	0.0	83	121587	19.2	
49 Chloroform	83	4.609	4.608	0.001	84	780362	18.3	
50 1,1,1-Trichloroethane	97	4.774	4.774	0.0	92	477992	18.4	
51 Cyclohexane	56	4.833	4.821	0.012	82	445068	15.1	
52 1,1-Dichloropropene	75	4.904	4.904	0.0	96	593142	19.5	
53 Carbon tetrachloride	117	4.916	4.916	0.0	80	467900	20.6	
54 Isobutyl alcohol	41	4.964	4.952	0.012	90	583496	912.0	
55 Benzene	78	5.082	5.082	0.0	94	1939390	19.6	
56 1,2-Dichloroethane	62	5.094	5.094	0.0	96	637768	19.7	
60 Trichloroethene	130	5.614	5.614	0.0	96	523239	19.8	
63 Methylcyclohexane	55	5.780	5.780	0.0	88	305856	16.7	
62 1,2-Dichloropropane	63	5.804	5.804	0.0	93	440812	18.9	
65 Dibromomethane	174	5.910	5.910	0.0	83	347035	20.0	
67 Dichlorobromomethane	83	6.029	6.028	0.001	100	544957	18.0	
69 2-Chloroethyl vinyl ether	63	6.265	6.265	0.0	93	277210	18.3	
70 cis-1,3-Dichloropropene	75	6.407	6.407	0.0	93	604284	17.1	
71 4-Methyl-2-pentanone (MIBK)	43	6.537	6.525	0.012	94	765590	37.4	
72 Toluene	91	6.715	6.715	0.0	98	2081860	19.7	
73 trans-1,3-Dichloropropene	75	6.892	6.892	0.0	92	554172	18.7	
75 1,1,2-Trichloroethane	97	7.058	7.058	0.0	86	439755	20.2	
77 Tetrachloroethene	166	7.212	7.200	0.012	98	454553	19.5	
76 1,3-Dichloropropane	76	7.212	7.212	0.0	88	796595	19.6	
78 2-Hexanone	43	7.271	7.271	0.0	94	539070	38.1	
79 Chlorodibromomethane	129	7.425	7.425	0.0	90	362781	17.6	
123 Ethylene Dibromide	107	7.543	7.543	0.0	99	450496	20.2	
82 Chlorobenzene	112	7.993	7.993	0.0	97	1405691	19.6	
83 1,1,1,2-Tetrachloroethane	131	8.052	8.052	0.0	89	417491	19.5	
84 Ethylbenzene	106	8.076	8.076	0.0	98	690506	19.8	
10 m-Xylene & p-Xylene	106	8.182	8.182	0.0	97	1737400	40.3	
85 o-Xylene	106	8.561	8.561	0.0	92	855210	20.2	
86 Styrene	104	8.573	8.572	0.001	92	1526267	20.0	
87 Bromoform	173	8.762	8.762	0.0	96	187833	14.3	
88 Isopropylbenzene	105	8.916	8.916	0.0	95	1919505	19.6	
89 Cyclohexanone	55	9.010	9.011	-0.001	89	357424	360.0	
90 1,1,2,2-Tetrachloroethane	83	9.188	9.188	0.0	94	612703	19.9	
91 Bromobenzene	156	9.223	9.223	0.0	88	595486	20.1	
92 1,2,3-Trichloropropane	110	9.247	9.247	0.0	75	215658	19.9	
93 trans-1,4-Dichloro-2-butene	53	9.247	9.247	0.0	58	98811	16.1	
94 N-Propylbenzene	120	9.306	9.306	0.0	95	529997	20.9	
95 2-Chlorotoluene	126	9.401	9.401	0.0	96	490004	19.8	
96 1,3,5-Trimethylbenzene	105	9.472	9.472	0.0	83	1590181	20.2	
104 4-Chlorotoluene	126	9.507	9.507	0.0	96	544684	20.1	
97 tert-Butylbenzene	119	9.791	9.791	0.0	88	1323331	18.5	
98 1,2,4-Trimethylbenzene	105	9.839	9.839	0.0	84	1655458	20.2	
99 sec-Butylbenzene	105	10.016	10.016	0.0	92	1795967	19.6	
100 1,3-Dichlorobenzene	146	10.135	10.134	0.0	89	1025329	19.7	
101 4-Isopropyltoluene	119	10.146	10.146	0.0	97	1644048	21.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	10.217	10.217	0.0	94	1087045	18.9	
103 1,2,3-Trimethylbenzene	105	10.265	10.265	0.0	87	1777067	18.5	
105 n-Butylbenzene	91	10.560	10.560	0.0	96	1323462	20.0	
106 1,2-Dichlorobenzene	146	10.584	10.584	0.0	98	1028658	19.6	
107 1,2-Dibromo-3-Chloropropane	157	11.365	11.365	0.0	82	103460	20.7	
109 1,2,4-Trichlorobenzene	180	12.193	12.181	0.012	94	494970	17.7	
110 Hexachlorobutadiene	225	12.359	12.347	0.012	96	234955	19.1	
111 Naphthalene	128	12.442	12.442	0.0	96	1488375	20.6	
112 1,2,3-Trichlorobenzene	180	12.690	12.690	0.0	96	450066	18.8	
S 11 1,2-Dichloroethene, Total	96				0		39.5	
S 140 Trihalomethanes, Total	83				0		68.2	
S 114 Xylenes, Total	106				0		60.5	

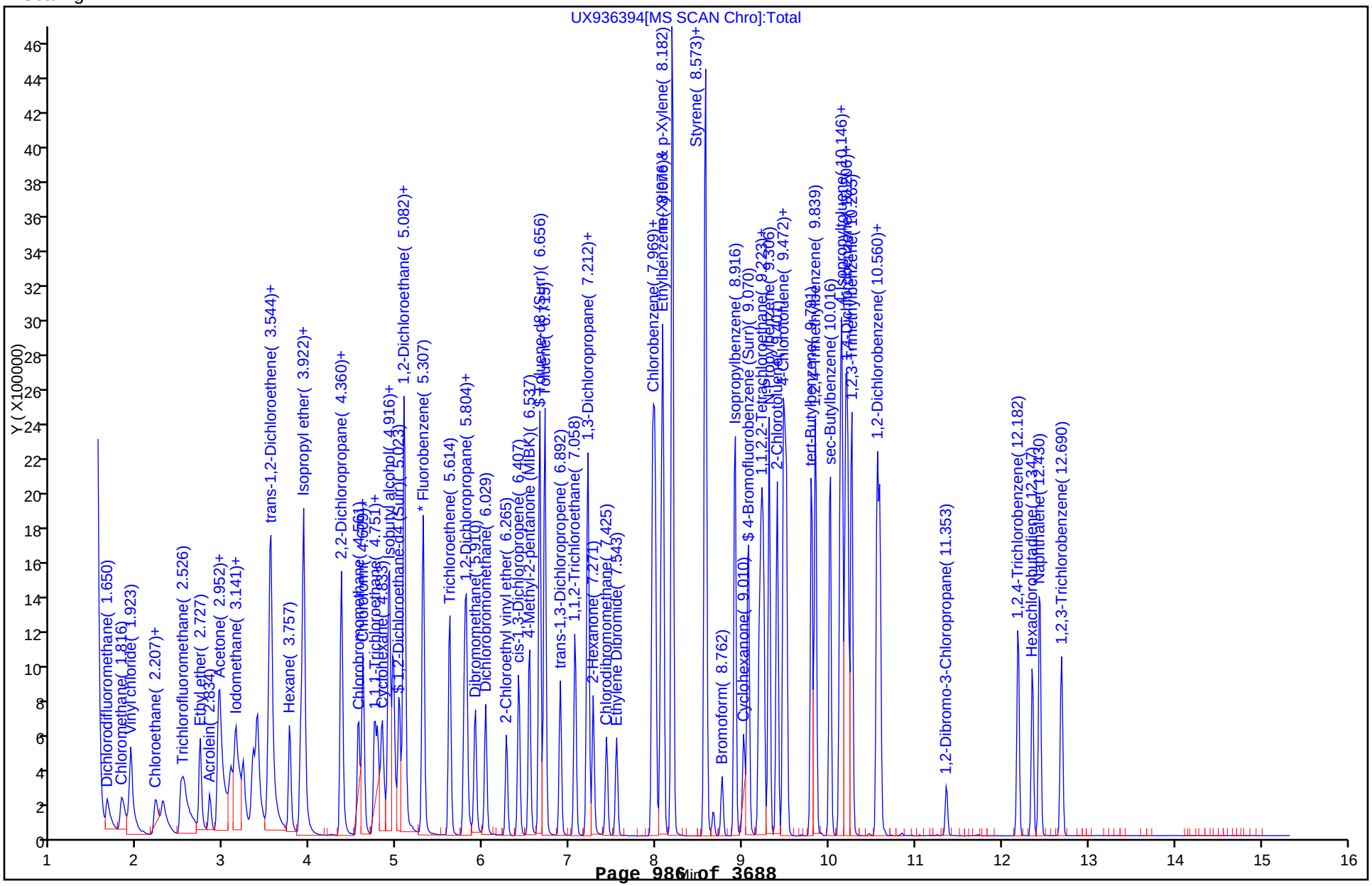
Report Date: 19-Apr-2013 20:36:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\UX936394.D

Injection Date:	19-Apr-2013 20:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX9
Lims Batch ID:	82781	Lims Sample ID:	10
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.: 240-22804-1

SDG No.:

Client Sample ID: 078SB-0059-0001-IDW MSD | Lab Sample ID: 240-22804-1 MSD

Matrix: Solid (TCLP) | Lab File ID: UX936395.D

Analysis Method: 8260B/DoD | Date Collected: 04/03/2013 10:00

Sample wt/vol: 0.2(mL) | Date Analyzed: 04/19/2013 20:29

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.: 82781 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.939		0.25	0.025	0.029
71-43-2	Benzene	0.481		0.025	0.013	0.0065
56-23-5	Carbon tetrachloride	0.517		0.025	0.013	0.0065
108-90-7	Chlorobenzene	0.500		0.025	0.013	0.0075
107-06-2	1,2-Dichloroethane	0.494		0.025	0.013	0.011
75-35-4	1,1-Dichloroethene	0.516		0.025	0.013	0.0095
127-18-4	Tetrachloroethene	0.503		0.025	0.025	0.015
67-66-3	Chloroform	0.459		0.025	0.013	0.0080
79-01-6	Trichloroethene	0.489		0.025	0.013	0.0085
75-01-4	Vinyl chloride	0.446		0.025	0.013	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		80-121
2037-26-5	Toluene-d8 (Surr)	105		90-115
460-00-4	4-Bromofluorobenzene (Surr)	101		70-124
1868-53-7	Dibromofluoromethane (Surr)	100		84-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\UX936395.D
Lims ID: 240-22804-C-1-H MSD Client ID:
Inject. Date: 19-Apr-2013 20:29:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0019074-011
Misc. Info.:
Operator: 1904 Instrument ID: A3UX9
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 82781 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\8260_9.m
Last Update: 19-Apr-2013 19:10:02 Calib Date: 29-Oct-2012 20:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX9\20121029-14498.b\UX934582.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK007

First Level Reviewer: laveyt Date: 19-Apr-2013 21:25:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.308	5.307	0.001	100	1947438	20.0	
* 2 Chlorobenzene-d5	117	7.959	7.957	0.002	85	1506383	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.195	10.194	0.001	88	751879	20.0	
$ 5 Dibromofluoromethane (Surr)	113	4.740	4.739	0.001	58	460275	19.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.024	5.023	0.001	87	523441	18.1	
$ 7 Toluene-d8 (Surr)	98	6.657	6.656	0.001	92	1982097	21.0	
$ 131 4-Bromofluorobenzene (Surr)	95	9.059	9.069	-0.010	90	709883	20.3	
12 Dichlorodifluoromethane	85	1.652	1.650	0.002	98	426255	17.4	
13 Chloromethane	50	1.829	1.816	0.013	100	513202	16.3	
14 Vinyl chloride	62	1.912	1.911	0.001	97	567213	17.9	
15 Bromomethane	94	2.208	2.206	0.002	91	362540	16.2	
16 Chloroethane	64	2.291	2.301	-0.010	98	386970	17.8	
18 Trichlorofluoromethane	101	2.504	2.502	0.002	98	762028	21.2	
19 Ethyl ether	59	2.717	2.727	-0.010	88	395301	19.8	
20 Acrolein	56	2.835	2.834	0.001	92	280792	80.0	
21 1,1-Dichloroethene	61	2.942	2.940	0.002	97	866652	20.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.942	2.940	0.002	75	449377	21.1	
22 Acetone	43	2.953	2.952	0.001	100	260147	40.2	
24 Iodomethane	142	3.084	3.082	0.002	97	799440	18.3	
26 Carbon disulfide	76	3.143	3.141	0.002	98	1555683	18.4	
27 Acetonitrile	41	3.190	3.189	0.001	99	158779	58.9	
28 Methyl acetate	43	3.226	3.224	0.002	96	376287	21.1	
30 Methylene Chloride	49	3.344	3.342	0.002	82	636234	16.8	
31 2-Methyl-2-propanol	59	3.391	3.390	0.001	99	857013	440.9	
32 Acrylonitrile	53	3.510	3.508	0.002	99	539747	59.2	
34 Methyl tert-butyl ether	73	3.533	3.532	0.001	88	1414867	19.2	
33 trans-1,2-Dichloroethene	61	3.545	3.544	0.001	90	658891	19.4	
35 Hexane	57	3.758	3.757	0.001	89	371562	19.4	
36 1,1-Dichloroethane	63	3.888	3.887	0.001	99	771674	21.2	
37 Vinyl acetate	86	3.912	3.910	0.002	98	98135	19.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.924	3.923	0.002	83	457347	19.6	
41 2-Butanone (MEK)	72	4.362	4.360	0.002	71	113623	37.6	
42 cis-1,2-Dichloroethene	61	4.362	4.360	0.002	79	642949	20.0	
43 2,2-Dichloropropane	77	4.362	4.360	0.002	48	248456	20.9	
47 Chlorobromomethane	49	4.551	4.549	0.002	73	342879	18.0	
48 Tetrahydrofuran	42	4.598	4.597	0.001	80	121178	18.8	
49 Chloroform	83	4.610	4.608	0.002	83	793896	18.4	
50 1,1,1-Trichloroethane	97	4.776	4.774	0.002	92	511478	19.4	
51 Cyclohexane	56	4.835	4.821	0.014	83	457866	15.3	
52 1,1-Dichloropropene	75	4.906	4.904	0.002	97	623795	20.2	
53 Carbon tetrachloride	117	4.918	4.916	0.002	80	476906	20.7	
54 Isobutyl alcohol	41	4.953	4.952	0.001	92	607102	928.4	
55 Benzene	78	5.083	5.082	0.001	94	1938009	19.2	
56 1,2-Dichloroethane	62	5.095	5.094	0.001	94	651200	19.8	
60 Trichloroethene	130	5.616	5.614	0.002	95	526081	19.6	
63 Methylcyclohexane	55	5.781	5.780	0.001	86	328066	17.6	
62 1,2-Dichloropropane	63	5.805	5.804	0.001	94	457075	19.2	
65 Dibromomethane	174	5.912	5.910	0.002	83	345341	19.6	
67 Dichlorobromomethane	83	6.030	6.028	0.002	99	569102	18.5	
69 2-Chloroethyl vinyl ether	63	6.267	6.265	0.002	92	290581	18.9	
70 cis-1,3-Dichloropropene	75	6.409	6.407	0.002	92	640806	17.9	
71 4-Methyl-2-pentanone (MIBK)	43	6.527	6.525	0.002	93	771214	37.1	
72 Toluene	91	6.716	6.715	0.001	98	2143127	19.9	
73 trans-1,3-Dichloropropene	75	6.894	6.892	0.002	91	588016	19.5	
75 1,1,2-Trichloroethane	97	7.059	7.058	0.001	90	461565	20.9	
77 Tetrachloroethene	166	7.201	7.200	0.001	98	476294	20.1	
76 1,3-Dichloropropane	76	7.213	7.212	0.001	88	808412	19.6	
78 2-Hexanone	43	7.272	7.271	0.001	93	565200	39.3	
79 Chlorodibromomethane	129	7.426	7.425	0.001	88	373789	17.8	
123 Ethylene Dibromide	107	7.545	7.543	0.002	99	457065	20.2	
82 Chlorobenzene	112	7.982	7.993	-0.011	94	1454608	20.0	
83 1,1,1,2-Tetrachloroethane	131	8.053	8.052	0.001	90	422980	19.4	
84 Ethylbenzene	106	8.077	8.076	0.001	97	710889	20.1	
10 m-Xylene & p-Xylene	106	8.184	8.182	0.002	96	1750512	39.9	
85 o-Xylene	106	8.562	8.561	0.001	90	882959	20.6	
86 Styrene	104	8.574	8.572	0.002	92	1558791	20.1	
87 Bromoform	173	8.763	8.762	0.001	97	198067	14.8	
88 Isopropylbenzene	105	8.905	8.916	-0.011	95	1948972	19.6	
89 Cyclohexanone	55	9.012	9.011	0.001	87	372053	365.8	
90 1,1,2,2-Tetrachloroethane	83	9.189	9.188	0.001	85	604237	19.3	
91 Bromobenzene	156	9.225	9.223	0.002	87	605082	20.0	
92 1,2,3-Trichloropropane	110	9.237	9.247	-0.010	76	214095	19.4	
93 trans-1,4-Dichloro-2-butene	53	9.248	9.247	0.001	54	104580	16.7	
94 N-Propylbenzene	120	9.308	9.306	0.002	96	526773	20.4	
95 2-Chlorotoluene	126	9.402	9.401	0.001	97	501709	19.9	
96 1,3,5-Trimethylbenzene	105	9.473	9.472	0.001	84	1632454	20.4	
104 4-Chlorotoluene	126	9.509	9.507	0.002	96	545742	19.8	
97 tert-Butylbenzene	119	9.793	9.791	0.002	81	1381143	19.0	
98 1,2,4-Trimethylbenzene	105	9.840	9.839	0.001	72	1702118	20.4	
99 sec-Butylbenzene	105	10.006	10.016	-0.010	94	1849774	19.8	
100 1,3-Dichlorobenzene	146	10.136	10.134	0.002	85	1039468	19.6	
101 4-Isopropyltoluene	119	10.148	10.146	0.002	96	1708071	21.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	10.219	10.217	0.002	94	1074073	18.3	
103 1,2,3-Trimethylbenzene	105	10.266	10.265	0.001	88	1820120	18.5	
105 n-Butylbenzene	91	10.550	10.560	-0.010	97	1373802	20.4	
106 1,2-Dichlorobenzene	146	10.586	10.584	0.002	98	1036348	19.4	
107 1,2-Dibromo-3-Chloropropane	157	11.355	11.365	-0.010	80	108098	21.2	
109 1,2,4-Trichlorobenzene	180	12.183	12.181	0.002	92	526574	18.5	
110 Hexachlorobutadiene	225	12.349	12.347	0.002	96	246830	19.7	
111 Naphthalene	128	12.432	12.442	-0.010	96	1525655	20.7	
112 1,2,3-Trichlorobenzene	180	12.692	12.690	0.002	96	472185	19.4	
S 11 1,2-Dichloroethene, Total	96				0		39.4	
S 140 Trihalomethanes, Total	83				0		69.5	
S 114 Xylenes, Total	106				0		60.4	

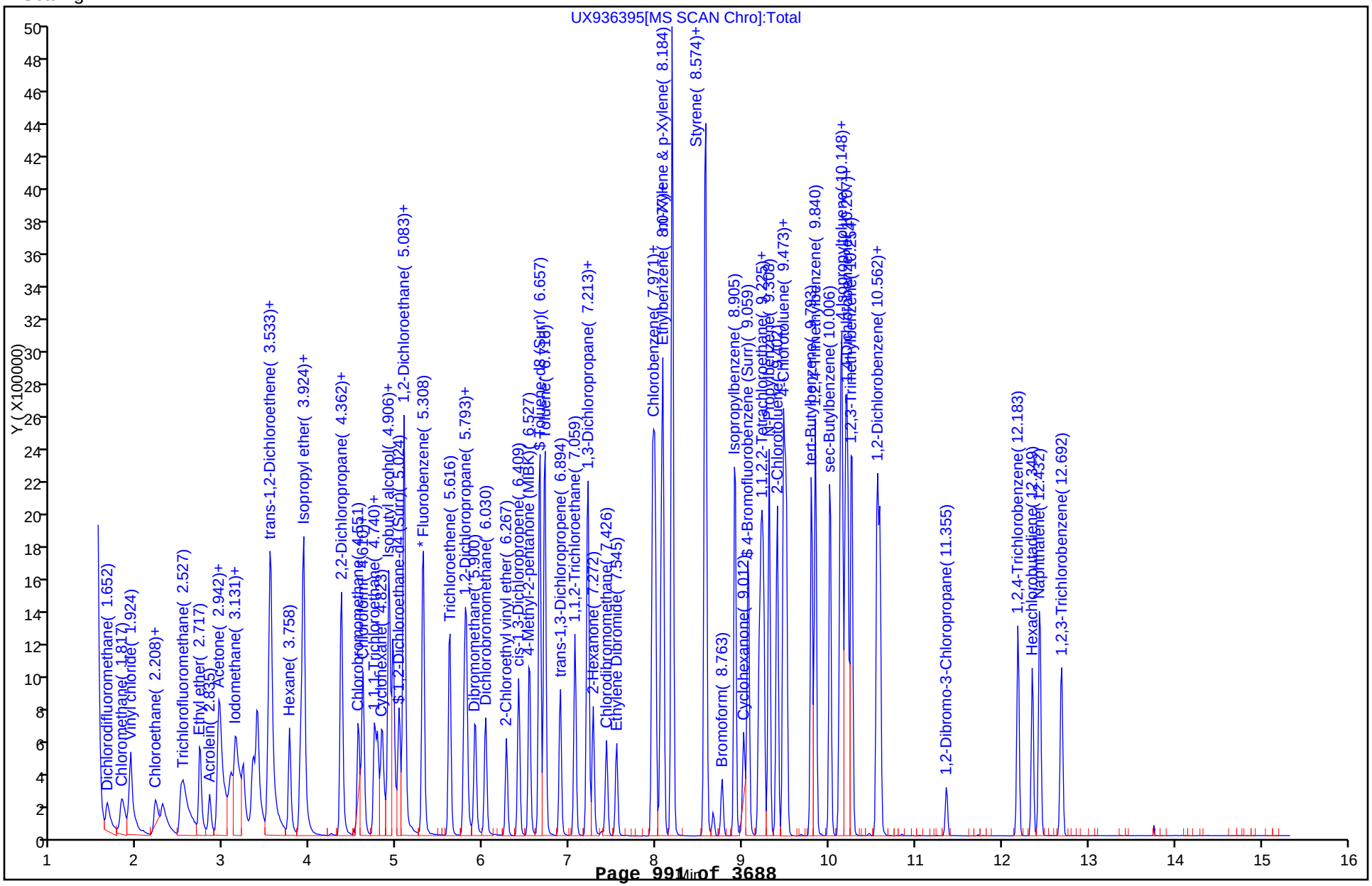
Report Date: 19-Apr-2013 21:25:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX9\20130419-19074.b\UX936395.D

Injection Date:	19-Apr-2013 20:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX9
Lims Batch ID:	82781	Lims Sample ID:	11
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.: 240-22804-1

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.: 240-22804-1

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)
ZZZZZ		04/08/2013 16:27	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 16:48	1		DB-624 0.18(mm)
240-22804-11	079RN-0317-0001-RN	04/08/2013 17:09	1	UXR3294.D	DB-624 0.18(mm)
240-22804-12	079-0318-0001-TB	04/08/2013 17:31	1	UXR3295.D	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.: 240-22804-1

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.: 240-22804-1

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)
ZZZZZ		04/08/2013 17:03	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:24	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:46	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:07	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:29	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:50	1		DB-624 0.18(mm)
240-22804-4	074SB-0010-0001-SO	04/08/2013 19:11	1	141849.D	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 ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/14/2013 09:08

Analysis Batch Number: 81838 End Date: 04/14/2013 14:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-81838/16		04/14/2013 09:08	1	BFB14397.D	DB-624 0.18(mm)
IC 240-81838/3		04/14/2013 09:51	1	141993.D	DB-624 0.18(mm)
IC 240-81838/4		04/14/2013 10:12	1	141994.D	DB-624 0.18(mm)
IC 240-81838/5		04/14/2013 10:34	1	141995.D	DB-624 0.18(mm)
ICIS 240-81838/6		04/14/2013 10:55	1	141996.D	DB-624 0.18(mm)
IC 240-81838/7		04/14/2013 11:17	1	141997.D	DB-624 0.18(mm)
IC 240-81838/8		04/14/2013 11:38	1	141998.D	DB-624 0.18(mm)
IC 240-81838/9		04/14/2013 12:00	1	141999.D	DB-624 0.18(mm)
IC 240-81838/10		04/14/2013 12:21	1	142000.D	DB-624 0.18(mm)
IC 240-81838/11		04/14/2013 12:43	1	142001.D	DB-624 0.18(mm)
CCV 240-81838/12		04/14/2013 13:05	1		DB-624 0.18(mm)
ICV 240-81838/13		04/14/2013 13:26	1	142003.D	DB-624 0.18(mm)
ZZZZZ		04/14/2013 13:48	1		DB-624 0.18(mm)
ZZZZZ		04/14/2013 14:09	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/15/2013 10:53

Analysis Batch Number: 81930 End Date: 04/15/2013 20:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-81930/1		04/15/2013 10:53	1	BFB14398.D	DB-624 0.18(mm)
CCV 240-81930/3		04/15/2013 11:39	1	142026.D	DB-624 0.18(mm)
CCV 240-81930/4		04/15/2013 12:00	1	142027.D	DB-624 0.18(mm)
MRL 240-81930/5		04/15/2013 12:22	1	142028.D	DB-624 0.18(mm)
MB 240-81930/7		04/15/2013 13:05	1	142030.D	DB-624 0.18(mm)
LCS 240-81930/35		04/15/2013 13:26	1	142031.D	DB-624 0.18(mm)
ZZZZZ		04/15/2013 13:48	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 14:09	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 14:31	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 14:52	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 15:14	1		DB-624 0.18(mm)
240-22804-4	074SB-0010-0001-SO	04/15/2013 15:36	1	142037.D	DB-624 0.18(mm)
ZZZZZ		04/15/2013 15:57	1		DB-624 0.18(mm)
MRL 240-81930/15		04/15/2013 16:19	1	142039.D	DB-624 0.18(mm)
MDLV 240-81930/16		04/15/2013 16:40	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 17:23	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 17:45	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 18:28	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 18:50	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 19:11	1		DB-624 0.18(mm)
ZZZZZ		04/15/2013 20:16	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 81012 Batch Start Date: 04/08/13 12:36 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 04/08/13 15:28

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
240-22804-B-4	074SB-0010-0001-SO	5035, 8260B/DoD	T	+030.449 g	36.82 g	6.371 g	5 mL		
240-22804-C-4	074SB-0010-0001-SO	5035, 8260B/DoD	T	+030.599 g	37.09 g	6.491 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.: 240-22804-1

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 #
074SB-0013-0001-SO	240-22804-2	71	76	64	66	36	61
074SB-0015-0001-SO	240-22804-3	70	74	63	65	39	60
074SB-0010-0001-SO	240-22804-4	77	81	67	72	47	65
074SB-0012-0001-SO	240-22804-5	77	81	67	71	50	64
074SB-0023-0001-SO	240-22804-6	63	66	57	60	46	54
074SB-0024-0001-SO	240-22804-7	72	75	61	67	63	66
074SB-0025-0001-SO	240-22804-8	71	72	62	64	65	58
074SB-0026-0001-SO	240-22804-9	67	70	62	65	70	58
074SB-0027-0001-SO	240-22804-10	74	77	67	70	40	65
	MB 240-81948/23-A	66	67	59	60	62	68
	MB 240-83486/23-A	71	77	67	70	60	66
	LCS 240-81948/24-A	77	81	75	76	63	67
	LCS 240-83486/24-A	70	73	67	68	68	60

	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.: 240-22804-1

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 240-82940/3	95	97	100	95	104	101
	MRL 240-82940/19	95	96	95	97	108	101
	MRL 240-83126/3	96	98	98	99	105	97
	MRL 240-83126/22	96	96	95	98	107	99
	MRL 240-83882/3	105	107 Q	98	102	101	100
	MRL 240-83882/13	99	104 Q	100	102	100	98

	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
079RN-0317-0001-RN	240-22804-11	60	63	61	68	75	69
	MB 240-81130/22-A	72	72	67	74	81	73
	LCS 240-81130/23-A	85	83	80	79	93	63

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl (Surr)	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-82293/3	98	93	91	97	102	93
	MRL 240-82293/25	96	96	91	94	103	95

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417005.D

Lab ID: LCS 240-81130/23-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	17.7	89	45-110	
Acenaphthylene	20.0	18.5	93	50-105	
Anthracene	20.0	19.1	96	55-110	
Benzo[a]anthracene	20.0	17.4	87	55-110	
Benzo[a]pyrene	20.0	12.9	64	55-110	
Benzo[b]fluoranthene	20.0	14.0	70	45-120	
Benzo[g,h,i]perylene	20.0	13.8	69	40-125	
Benzoic acid	20.0	10 U	46	0-125	
Benzo[k]fluoranthene	20.0	17.0	85	45-125	
Benzyl alcohol	20.0	17.7	88	30-110	
Bis(2-chloroethoxy)methane	20.0	18.2	91	45-105	
Bis(2-chloroethyl)ether	20.0	17.3	87	35-110	
bis (2-chloroisopropyl) ether	20.0	16.7	83	25-130	
Bis(2-ethylhexyl) phthalate	20.0	13.7	69	40-125	
4-Bromophenyl phenyl ether	20.0	20.2	101	50-115	
Butyl benzyl phthalate	20.0	18.4	92	45-115	
Carbazole	20.0	19.7	99	50-115	
4-Chloroaniline	20.0	16.0	80	15-110	
4-Chloro-3-methylphenol	20.0	18.8	94	45-110	
2-Chloronaphthalene	20.0	17.2	86	50-105	
2-Chlorophenol	20.0	18.0	90	35-105	
4-Chlorophenyl phenyl ether	20.0	19.2	96	50-110	
Chrysene	20.0	18.7	93	55-110	
Dibenz(a,h)anthracene	20.0	12.2	61	40-125	
Dibenzofuran	20.0	19.1	96	55-105	
1,2-Dichlorobenzene	20.0	15.4	77	35-100	
1,3-Dichlorobenzene	20.0	14.8	74	30-100	
1,4-Dichlorobenzene	20.0	15.1	75	30-100	
3,3'-Dichlorobenzidine	20.0	10.9	54	20-110	
2,4-Dichlorophenol	20.0	18.4	92	50-105	
Diethyl phthalate	20.0	18.7	94	40-120	
2,4-Dimethylphenol	20.0	14.9	74	30-110	
Dimethyl phthalate	20.0	19.4	97	25-125	
Di-n-butyl phthalate	20.0	19.0	95	55-115	
4,6-Dinitro-2-methylphenol	20.0	16.6	83	40-130	
2,4-Dinitrophenol	20.0	14.8	74	15-140	
2,4-Dinitrotoluene	20.0	18.1	91	50-120	
2,6-Dinitrotoluene	20.0	19.7	99	50-115	
Di-n-octyl phthalate	20.0	10.7	53	35-135	
Fluoranthene	20.0	20.0	100	55-115	
Fluorene	20.0	19.2	96	50-110	
Hexachlorobenzene	20.0	18.9	94	50-110	

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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417005.D

Lab ID: LCS 240-81130/23-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	20.0	14.3	72	25-105	
Hexachloroethane	20.0	13.7	68	30-95	
Indeno[1,2,3-cd]pyrene	20.0	12.8	64	45-125	
Isophorone	20.0	17.4	87	50-110	
2-Methylnaphthalene	20.0	16.5	82	45-105	
2-Methylphenol	20.0	18.2	91	40-110	
3 & 4 Methylphenol	40.0	36.4	91	30-110	
Naphthalene	20.0	16.8	84	40-100	
2-Nitroaniline	20.0	19.5	97	50-115	
3-Nitroaniline	20.0	17.3	87	20-125	
4-Nitroaniline	20.0	20.3	101	35-120	
Nitrobenzene	20.0	18.1	91	45-110	
2-Nitrophenol	20.0	18.5	93	40-115	
4-Nitrophenol	20.0	17.6	88	0-125	
N-Nitrosodi-n-propylamine	20.0	16.4	82	35-130	
N-Nitrosodiphenylamine	20.0	18.2	91	50-110	
Pentachlorophenol	20.0	18.5	93	40-115	
Phenanthrene	20.0	19.4	97	50-115	
Phenol	20.0	18.0	90	0-115	
Pyrene	20.0	19.8	99	50-130	
1,2,4-Trichlorobenzene	20.0	15.7	79	35-105	
2,4,5-Trichlorophenol	20.0	20.1	100	50-110	
2,4,6-Trichlorophenol	20.0	19.8	99	50-115	

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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30422005.D

Lab ID: LCS 240-81948/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	546	82	45-110	
Acenaphthylene	667	546	82	45-105	
Anthracene	667	569	85	55-105	
Benzo[a]anthracene	667	557	84	50-110	
Benzo[a]pyrene	667	497	74	50-110	
Benzo[b]fluoranthene	667	530	79	45-115	
Benzo[g,h,i]perylene	667	531	80	40-125	
Benzoic acid	667	330 U	19	0-110	
Benzo[k]fluoranthene	667	534	80	45-125	
Benzyl alcohol	667	484	73	20-125	
Bis(2-chloroethoxy)methane	667	538	81	45-110	
Bis(2-chloroethyl)ether	667	533	80	40-105	
bis (2-chloroisopropyl) ether	667	556	83	20-115	
Bis(2-ethylhexyl) phthalate	667	657	99	45-125	
4-Bromophenyl phenyl ether	667	558	84	45-115	
Butyl benzyl phthalate	667	596	89	50-125	
Carbazole	667	550	82	45-115	
4-Chloroaniline	667	415	62	10-110	
4-Chloro-3-methylphenol	667	507	76	45-115	
2-Chloronaphthalene	667	559	84	45-105	
2-Chlorophenol	667	577	87	45-105	
4-Chlorophenyl phenyl ether	667	587	88	45-110	
Chrysene	667	593	89	55-110	
Dibenz(a,h)anthracene	667	546	82	40-125	
Dibenzofuran	667	564	85	50-105	
1,2-Dichlorobenzene	667	545	82	45-110	
1,3-Dichlorobenzene	667	534	80	40-100	
1,4-Dichlorobenzene	667	538	81	35-105	
3,3'-Dichlorobenzidine	667	377	57	10-130	
2,4-Dichlorophenol	667	517	78	45-110	
Diethyl phthalate	667	626	94	50-115	
2,4-Dimethylphenol	667	488	73	30-105	
Dimethyl phthalate	667	617	93	50-110	
Di-n-butyl phthalate	667	584	88	55-110	
4,6-Dinitro-2-methylphenol	667	490	74	30-135	
2,4-Dinitrophenol	667	487	73	15-130	
2,4-Dinitrotoluene	667	682	102	50-115	
2,6-Dinitrotoluene	667	627	94	50-110	
Di-n-octyl phthalate	667	479	72	40-130	
Fluoranthene	667	597	90	55-115	
Fluorene	667	593	89	50-110	
Hexachlorobenzene	667	566	85	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30422005.D

Lab ID: LCS 240-81948/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	536	80	40-115	
Hexachloroethane	667	534	80	35-110	
Indeno[1,2,3-cd]pyrene	667	506	76	40-120	
Isophorone	667	514	77	45-110	
2-Methylnaphthalene	667	510	76	45-105	
2-Methylphenol	667	563	84	40-105	
3 & 4 Methylphenol	1330	1150	86	40-105	
Naphthalene	667	526	79	40-105	
2-Nitroaniline	667	633	95	45-120	
3-Nitroaniline	667	566	85	25-110	
4-Nitroaniline	667	575	86	35-115	
Nitrobenzene	667	548	82	40-115	
2-Nitrophenol	667	562	84	40-110	
4-Nitrophenol	667	695	104	15-140	
N-Nitrosodi-n-propylamine	667	552	83	40-115	
N-Nitrosodiphenylamine	667	558	84	50-115	
Pentachlorophenol	667	432	65	25-120	
Phenanthrene	667	553	83	50-110	
Phenol	667	568	85	40-100	
Pyrene	667	632	95	45-125	
1,2,4-Trichlorobenzene	667	532	80	45-110	
2,4,5-Trichlorophenol	667	524	79	50-110	
2,4,6-Trichlorophenol	667	446	67	45-110	

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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428007.D

Lab ID: LCS 240-83486/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	495	74	45-110	
Acenaphthylene	667	521	78	45-105	
Anthracene	667	542	81	55-105	
Benzo[a]anthracene	667	539	81	50-110	
Benzo[a]pyrene	667	473	71	50-110	
Benzo[b]fluoranthene	667	509	76	45-115	
Benzo[g,h,i]perylene	667	530	79	40-125	
Benzoic acid	667	330 U	0	0-110	
Benzo[k]fluoranthene	667	499	75	45-125	
Benzyl alcohol	667	493	74	20-125	
Bis(2-chloroethoxy)methane	667	523	79	45-110	
Bis(2-chloroethyl)ether	667	484	73	40-105	
bis (2-chloroisopropyl) ether	667	514	77	20-115	
Bis(2-ethylhexyl) phthalate	667	645	97	45-125	
4-Bromophenyl phenyl ether	667	515	77	45-115	
Butyl benzyl phthalate	667	612	92	50-125	
Carbazole	667	528	79	45-115	
4-Chloroaniline	667	361	54	10-110	
4-Chloro-3-methylphenol	667	520	78	45-115	
2-Chloronaphthalene	667	523	78	45-105	
2-Chlorophenol	667	511	77	45-105	
4-Chlorophenyl phenyl ether	667	507	76	45-110	
Chrysene	667	559	84	55-110	
Dibenz(a,h)anthracene	667	547	82	40-125	
Dibenzofuran	667	488	73	50-105	
1,2-Dichlorobenzene	667	464	70	45-110	
1,3-Dichlorobenzene	667	458	69	40-100	
1,4-Dichlorobenzene	667	449	67	35-105	
3,3'-Dichlorobenzidine	667	297	45	10-130	
2,4-Dichlorophenol	667	497	74	45-110	
Diethyl phthalate	667	581	87	50-115	
2,4-Dimethylphenol	667	407	61	30-105	
Dimethyl phthalate	667	556	83	50-110	
Di-n-butyl phthalate	667	557	84	55-110	
4,6-Dinitro-2-methylphenol	667	450	68	30-135	
2,4-Dinitrophenol	667	438	66	15-130	
2,4-Dinitrotoluene	667	612	92	50-115	
2,6-Dinitrotoluene	667	583	87	50-110	
Di-n-octyl phthalate	667	500	75	40-130	
Fluoranthene	667	531	80	55-115	
Fluorene	667	517	78	50-110	
Hexachlorobenzene	667	477	72	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428007.D

Lab ID: LCS 240-83486/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	428	64	40-115	
Hexachloroethane	667	458	69	35-110	
Indeno[1,2,3-cd]pyrene	667	520	78	40-120	
Isophorone	667	502	75	45-110	
2-Methylnaphthalene	667	462	69	45-105	
2-Methylphenol	667	512	77	40-105	
3 & 4 Methylphenol	1330	1050	79	40-105	
Naphthalene	667	478	72	40-105	
2-Nitroaniline	667	598	90	45-120	
3-Nitroaniline	667	534	80	25-110	
4-Nitroaniline	667	535	80	35-115	
Nitrobenzene	667	496	74	40-115	
2-Nitrophenol	667	493	74	40-110	
4-Nitrophenol	667	624	94	15-140	
N-Nitrosodi-n-propylamine	667	502	75	40-115	
N-Nitrosodiphenylamine	667	506	76	50-115	
Pentachlorophenol	667	393	59	25-120	
Phenanthrene	667	525	79	50-110	
Phenol	667	525	79	40-100	
Pyrene	667	592	89	45-125	
1,2,4-Trichlorobenzene	667	451	68	45-110	
2,4,5-Trichlorophenol	667	537	81	50-110	
2,4,6-Trichlorophenol	667	524	79	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417003.D

Lab ID: MRL 240-82293/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.96	99	70-130	
Acenaphthylene	5.00	5.03	101	70-130	
Anthracene	5.00	4.91	98	70-130	
Benzo[a]anthracene	5.00	4.83	97	70-130	
Benzo[a]pyrene	5.00	4.93	99	70-130	
Benzo[b]fluoranthene	5.00	4.34	87	70-130	
Benzo[g,h,i]perylene	5.00	4.82	96	70-130	
Benzoic acid	10.0	9.32	93	70-130	
Benzo[k]fluoranthene	5.00	5.69	114	70-130	
Benzyl alcohol	5.00	4.44	89	70-130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70-130	
Bis(2-chloroethyl)ether	5.00	4.87	97	70-130	
bis (2-chloroisopropyl) ether	5.00	4.90	98	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.77	95	70-130	
4-Bromophenyl phenyl ether	5.00	4.92	98	70-130	
Butyl benzyl phthalate	5.00	4.80	96	70-130	
Carbazole	5.00	4.93	99	70-130	
4-Chloroaniline	5.00	5.03	101	70-130	
4-Chloro-3-methylphenol	5.00	4.97	99	70-130	
2-Chloronaphthalene	5.00	4.80	96	70-130	
2-Chlorophenol	5.00	4.85	97	70-130	
4-Chlorophenyl phenyl ether	5.00	5.12	102	70-130	
Chrysene	5.00	5.06	101	70-130	
Dibenz(a,h)anthracene	5.00	4.62	92	70-130	
Dibenzofuran	5.00	5.11	102	70-130	
1,2-Dichlorobenzene	5.00	4.97	99	70-130	
1,3-Dichlorobenzene	5.00	4.97	99	70-130	
1,4-Dichlorobenzene	5.00	5.03	101	70-130	
3,3'-Dichlorobenzidine	10.0	9.66	97	70-130	
2,4-Dichlorophenol	5.00	5.02	100	70-130	
Diethyl phthalate	5.00	4.87	97	70-130	
2,4-Dimethylphenol	5.00	4.77	95	70-130	
Dimethyl phthalate	5.00	5.00	100	70-130	
Di-n-butyl phthalate	5.00	4.62	92	70-130	
4,6-Dinitro-2-methylphenol	10.0	8.99	90	70-130	
2,4-Dinitrophenol	10.0	9.43	94	70-130	
2,4-Dinitrotoluene	5.00	4.63	93	70-130	
2,6-Dinitrotoluene	5.00	5.19	104	70-130	
Di-n-octyl phthalate	5.00	3.97	79	70-130	
Fluoranthene	5.00	4.94	99	70-130	
Fluorene	5.00	5.06	101	70-130	
Hexachlorobenzene	5.00	5.05	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417003.D

Lab ID: MRL 240-82293/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.15	103	70-130	
Hexachloroethane	5.00	4.78	96	70-130	
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70-130	
Isophorone	5.00	4.95	99	70-130	
2-Methylnaphthalene	5.00	5.05	101	70-130	
2-Methylphenol	5.00	5.00	100	70-130	
3 & 4 Methylphenol	5.00	4.97	99	70-130	
Naphthalene	5.00	4.98	100	70-130	
2-Nitroaniline	5.00	4.63	93	70-130	
3-Nitroaniline	5.00	4.64	93	70-130	
4-Nitroaniline	5.00	5.16	103	70-130	
Nitrobenzene	5.00	4.99	100	70-130	
2-Nitrophenol	5.00	4.72	94	70-130	
4-Nitrophenol	10.0	8.78	88	70-130	
N-Nitrosodi-n-propylamine	5.00	4.76	95	70-130	
N-Nitrosodiphenylamine	10.0	9.82	98	70-130	
Pentachlorophenol	10.0	8.55	85	70-130	
Phenanthrene	5.00	4.88	98	70-130	
Phenol	5.00	4.96	99	70-130	
Pyrene	5.00	5.05	101	70-130	
1,2,4-Trichlorobenzene	5.00	5.14	103	70-130	
2,4,5-Trichlorophenol	5.00	5.11	102	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 METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417025.D

Lab ID: MRL 240-82293/25 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.73	95	70-130	
Acenaphthylene	5.00	5.05	101	70-130	
Anthracene	5.00	5.00	100	70-130	
Benzo[a]anthracene	5.00	4.85	97	70-130	
Benzo[a]pyrene	5.00	5.14	103	70-130	
Benzo[b]fluoranthene	5.00	4.66	93	70-130	
Benzo[g,h,i]perylene	5.00	5.00	100	70-130	
Benzoic acid	10.0	9.17	92	70-130	M
Benzo[k]fluoranthene	5.00	5.09	102	70-130	
Benzyl alcohol	5.00	2.94	59	70-130	^
Bis(2-chloroethoxy)methane	5.00	4.96	99	70-130	
Bis(2-chloroethyl)ether	5.00	4.80	96	70-130	
bis (2-chloroisopropyl) ether	5.00	4.76	95	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.12	102	70-130	
4-Bromophenyl phenyl ether	5.00	4.98	100	70-130	
Butyl benzyl phthalate	5.00	4.96	99	70-130	
Carbazole	5.00	5.03	101	70-130	
4-Chloroaniline	5.00	5.03	101	70-130	
4-Chloro-3-methylphenol	5.00	5.11	102	70-130	
2-Chloronaphthalene	5.00	4.84	97	70-130	
2-Chlorophenol	5.00	5.00	100	70-130	
4-Chlorophenyl phenyl ether	5.00	4.98	100	70-130	
Chrysene	5.00	4.83	97	70-130	
Dibenz(a,h)anthracene	5.00	5.01	100	70-130	
Dibenzofuran	5.00	4.86	97	70-130	
1,2-Dichlorobenzene	5.00	5.06	101	70-130	
1,3-Dichlorobenzene	5.00	5.11	102	70-130	
1,4-Dichlorobenzene	5.00	5.14	103	70-130	
3,3'-Dichlorobenzidine	10.0	10.6	106	70-130	
2,4-Dichlorophenol	5.00	5.17	103	70-130	
Diethyl phthalate	5.00	4.68	94	70-130	
2,4-Dimethylphenol	5.00	4.92	98	70-130	
Dimethyl phthalate	5.00	4.90	98	70-130	
Di-n-butyl phthalate	5.00	4.84	97	70-130	
4,6-Dinitro-2-methylphenol	10.0	7.50	75	70-130	
2,4-Dinitrophenol	10.0	7.16	72	70-130	
2,4-Dinitrotoluene	5.00	4.61	92	70-130	
2,6-Dinitrotoluene	5.00	5.03	101	70-130	
Di-n-octyl phthalate	5.00	4.54	91	70-130	
Fluoranthene	5.00	4.89	98	70-130	
Fluorene	5.00	4.99	100	70-130	
Hexachlorobenzene	5.00	4.91	98	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30417025.D

Lab ID: MRL 240-82293/25 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.08	102	70-130	
Hexachloroethane	5.00	3.43	69	70-130	^
Indeno[1,2,3-cd]pyrene	5.00	5.01	100	70-130	
Isophorone	5.00	4.86	97	70-130	
2-Methylnaphthalene	5.00	4.96	99	70-130	
2-Methylphenol	5.00	4.90	98	70-130	
3 & 4 Methylphenol	5.00	5.14	103	70-130	
Naphthalene	5.00	5.00	100	70-130	
2-Nitroaniline	5.00	4.84	97	70-130	
3-Nitroaniline	5.00	4.62	92	70-130	
4-Nitroaniline	5.00	5.41	108	70-130	
Nitrobenzene	5.00	4.77	95	70-130	
2-Nitrophenol	5.00	4.99	100	70-130	
4-Nitrophenol	10.0	8.68	87	70-130	
N-Nitrosodi-n-propylamine	5.00	4.88	98	70-130	
N-Nitrosodiphenylamine	10.0	10.0	100	70-130	
Pentachlorophenol	10.0	9.37	94	70-130	
Phenanthrene	5.00	4.88	98	70-130	
Phenol	5.00	5.02	100	70-130	
Pyrene	5.00	5.02	100	70-130	
1,2,4-Trichlorobenzene	5.00	5.07	101	70-130	
2,4,5-Trichlorophenol	5.00	5.13	103	70-130	
2,4,6-Trichlorophenol	5.00	4.87	97	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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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 METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30423003.D

Lab ID: MRL 240-83126/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.11	102	70-130	
Acenaphthylene	5.00	5.04	101	70-130	
Anthracene	5.00	5.17	103	70-130	
Benzo[a]anthracene	5.00	4.93	99	70-130	
Benzo[a]pyrene	5.00	5.01	100	70-130	
Benzo[b]fluoranthene	5.00	4.95	99	70-130	
Benzo[g,h,i]perylene	5.00	5.50	110	70-130	
Benzoic acid	10.0	8.75	88	70-130	M
Benzo[k]fluoranthene	5.00	5.29	106	70-130	
Benzyl alcohol	5.00	4.78	96	70-130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70-130	
Bis(2-chloroethyl)ether	5.00	4.81	96	70-130	
bis (2-chloroisopropyl) ether	5.00	4.83	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.64	93	70-130	
4-Bromophenyl phenyl ether	5.00	5.35	107	70-130	
Butyl benzyl phthalate	5.00	4.78	96	70-130	
Carbazole	5.00	4.91	98	70-130	
4-Chloroaniline	5.00	5.12	102	70-130	
4-Chloro-3-methylphenol	5.00	4.91	98	70-130	
2-Chloronaphthalene	5.00	5.04	101	70-130	
2-Chlorophenol	5.00	4.94	99	70-130	
4-Chlorophenyl phenyl ether	5.00	4.96	99	70-130	
Chrysene	5.00	4.95	99	70-130	
Dibenz(a,h)anthracene	5.00	5.53	111	70-130	
Dibenzofuran	5.00	4.97	99	70-130	
1,2-Dichlorobenzene	5.00	5.10	102	70-130	
1,3-Dichlorobenzene	5.00	5.02	100	70-130	
1,4-Dichlorobenzene	5.00	4.91	98	70-130	
3,3'-Dichlorobenzidine	10.0	10.1	101	70-130	
2,4-Dichlorophenol	5.00	4.94	99	70-130	
Diethyl phthalate	5.00	4.99	100	70-130	
2,4-Dimethylphenol	5.00	4.91	98	70-130	
Dimethyl phthalate	5.00	5.35	107	70-130	
Di-n-butyl phthalate	5.00	4.95	99	70-130	
4,6-Dinitro-2-methylphenol	10.0	9.76	98	70-130	
2,4-Dinitrophenol	10.0	10.5	105	70-130	
2,4-Dinitrotoluene	5.00	5.24	105	70-130	
2,6-Dinitrotoluene	5.00	5.50	110	70-130	
Di-n-octyl phthalate	5.00	4.06	81	70-130	
Fluoranthene	5.00	5.08	102	70-130	
Fluorene	5.00	5.11	102	70-130	
Hexachlorobenzene	5.00	5.68	114	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30423003.D

Lab ID: MRL 240-83126/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.09	102	70-130	
Hexachloroethane	5.00	5.06	101	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.29	106	70-130	
Isophorone	5.00	4.86	97	70-130	
2-Methylnaphthalene	5.00	4.99	100	70-130	
2-Methylphenol	5.00	4.93	99	70-130	
3 & 4 Methylphenol	5.00	4.88	98	70-130	
Naphthalene	5.00	5.00	100	70-130	
2-Nitroaniline	5.00	5.27	105	70-130	
3-Nitroaniline	5.00	5.59	112	70-130	
4-Nitroaniline	5.00	4.48	90	70-130	
Nitrobenzene	5.00	5.05	101	70-130	
2-Nitrophenol	5.00	5.11	102	70-130	
4-Nitrophenol	10.0	10.2	102	70-130	
N-Nitrosodi-n-propylamine	5.00	4.87	97	70-130	
N-Nitrosodiphenylamine	10.0	10.8	108	70-130	
Pentachlorophenol	10.0	9.81	98	70-130	
Phenanthrene	5.00	4.97	99	70-130	
Phenol	5.00	4.84	97	70-130	
Pyrene	5.00	5.26	105	70-130	
1,2,4-Trichlorobenzene	5.00	5.08	102	70-130	
2,4,5-Trichlorophenol	5.00	5.50	110	70-130	
2,4,6-Trichlorophenol	5.00	5.05	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30423022.D

Lab ID: MRL 240-83126/22 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.96	99	70-130	
Acenaphthylene	5.00	5.12	102	70-130	
Anthracene	5.00	5.10	102	70-130	
Benzo[a]anthracene	5.00	5.01	100	70-130	
Benzo[a]pyrene	5.00	4.90	98	70-130	
Benzo[b]fluoranthene	5.00	4.90	98	70-130	
Benzo[g,h,i]perylene	5.00	5.61	112	70-130	
Benzoic acid	10.0	8.04	80	70-130	M
Benzo[k]fluoranthene	5.00	4.65	93	70-130	
Benzyl alcohol	5.00	4.89	98	70-130	
Bis(2-chloroethoxy)methane	5.00	4.98	100	70-130	
Bis(2-chloroethyl)ether	5.00	4.65	93	70-130	
bis (2-chloroisopropyl) ether	5.00	4.78	96	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.87	117	70-130	
4-Bromophenyl phenyl ether	5.00	5.45	109	70-130	
Butyl benzyl phthalate	5.00	5.44	109	70-130	
Carbazole	5.00	5.14	103	70-130	
4-Chloroaniline	5.00	5.04	101	70-130	
4-Chloro-3-methylphenol	5.00	5.05	101	70-130	
2-Chloronaphthalene	5.00	4.94	99	70-130	
2-Chlorophenol	5.00	4.94	99	70-130	
4-Chlorophenyl phenyl ether	5.00	5.17	103	70-130	
Chrysene	5.00	5.01	100	70-130	
Dibenz(a,h)anthracene	5.00	5.54	111	70-130	
Dibenzofuran	5.00	5.05	101	70-130	
1,2-Dichlorobenzene	5.00	4.97	99	70-130	
1,3-Dichlorobenzene	5.00	4.98	100	70-130	
1,4-Dichlorobenzene	5.00	4.91	98	70-130	
3,3'-Dichlorobenzidine	10.0	11.1	111	70-130	
2,4-Dichlorophenol	5.00	5.02	100	70-130	
Diethyl phthalate	5.00	4.97	99	70-130	
2,4-Dimethylphenol	5.00	4.85	97	70-130	
Dimethyl phthalate	5.00	5.44	109	70-130	
Di-n-butyl phthalate	5.00	5.55	111	70-130	
4,6-Dinitro-2-methylphenol	10.0	8.51	85	70-130	
2,4-Dinitrophenol	10.0	4.89	49	70-130	^
2,4-Dinitrotoluene	5.00	5.29	106	70-130	
2,6-Dinitrotoluene	5.00	5.47	109	70-130	
Di-n-octyl phthalate	5.00	4.69	94	70-130	
Fluoranthene	5.00	5.24	105	70-130	
Fluorene	5.00	5.08	102	70-130	
Hexachlorobenzene	5.00	5.50	110	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30423022.D

Lab ID: MRL 240-83126/22 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.02	100	70-130	
Hexachloroethane	5.00	4.88	98	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.41	108	70-130	
Isophorone	5.00	4.94	99	70-130	
2-Methylnaphthalene	5.00	4.94	99	70-130	
2-Methylphenol	5.00	4.95	99	70-130	
3 & 4 Methylphenol	5.00	5.04	101	70-130	
Naphthalene	5.00	4.77	95	70-130	
2-Nitroaniline	5.00	5.33	107	70-130	
3-Nitroaniline	5.00	5.75	115	70-130	
4-Nitroaniline	5.00	4.96	99	70-130	
Nitrobenzene	5.00	4.84	97	70-130	
2-Nitrophenol	5.00	5.01	100	70-130	
4-Nitrophenol	10.0	9.93	99	70-130	
N-Nitrosodi-n-propylamine	5.00	5.02	100	70-130	
N-Nitrosodiphenylamine	10.0	10.8	108	70-130	
Pentachlorophenol	10.0	9.60	96	70-130	
Phenanthrene	5.00	4.87	97	70-130	
Phenol	5.00	4.84	97	70-130	
Pyrene	5.00	5.44	109	70-130	
1,2,4-Trichlorobenzene	5.00	4.82	96	70-130	
2,4,5-Trichlorophenol	5.00	5.19	104	70-130	
2,4,6-Trichlorophenol	5.00	4.95	99	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428003.D

Lab ID: MRL 240-83882/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.09	102	70-130	
Acenaphthylene	5.00	5.21	104	70-130	
Anthracene	5.00	5.17	103	70-130	
Benzo[a]anthracene	5.00	5.07	101	70-130	
Benzo[a]pyrene	5.00	5.13	103	70-130	
Benzo[b]fluoranthene	5.00	5.02	100	70-130	
Benzo[g,h,i]perylene	5.00	5.58	112	70-130	
Benzoic acid	10.0	8.60	86	70-130	M
Benzo[k]fluoranthene	5.00	5.09	102	70-130	
Benzyl alcohol	5.00	5.60	112	70-130	
Bis(2-chloroethoxy)methane	5.00	5.32	106	70-130	
Bis(2-chloroethyl)ether	5.00	5.46	109	70-130	
bis (2-chloroisopropyl) ether	5.00	5.47	109	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.76	115	70-130	
4-Bromophenyl phenyl ether	5.00	4.72	94	70-130	
Butyl benzyl phthalate	5.00	5.67	113	70-130	
Carbazole	5.00	5.13	103	70-130	
4-Chloroaniline	5.00	5.17	103	70-130	
4-Chloro-3-methylphenol	5.00	5.06	101	70-130	
2-Chloronaphthalene	5.00	5.25	105	70-130	
2-Chlorophenol	5.00	5.36	107	70-130	
4-Chlorophenyl phenyl ether	5.00	4.96	99	70-130	
Chrysene	5.00	5.15	103	70-130	
Dibenz(a,h)anthracene	5.00	5.49	110	70-130	
Dibenzofuran	5.00	4.96	99	70-130	
1,2-Dichlorobenzene	5.00	5.30	106	70-130	
1,3-Dichlorobenzene	5.00	5.19	104	70-130	
1,4-Dichlorobenzene	5.00	5.17	103	70-130	
3,3'-Dichlorobenzidine	10.0	11.1	111	70-130	
2,4-Dichlorophenol	5.00	5.11	102	70-130	
Diethyl phthalate	5.00	5.47	109	70-130	
2,4-Dimethylphenol	5.00	5.17	103	70-130	
Dimethyl phthalate	5.00	5.30	106	70-130	
Di-n-butyl phthalate	5.00	5.17	103	70-130	
4,6-Dinitro-2-methylphenol	10.0	9.27	93	70-130	
2,4-Dinitrophenol	10.0	11.2	112	70-130	
2,4-Dinitrotoluene	5.00	5.57	111	70-130	
2,6-Dinitrotoluene	5.00	5.50	110	70-130	
Di-n-octyl phthalate	5.00	4.87	97	70-130	
Fluoranthene	5.00	5.01	100	70-130	
Fluorene	5.00	4.96	99	70-130	
Hexachlorobenzene	5.00	4.47	89	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428003.D

Lab ID: MRL 240-83882/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	4.71	94	70-130	
Hexachloroethane	5.00	5.10	102	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.34	107	70-130	
Isophorone	5.00	5.20	104	70-130	
2-Methylnaphthalene	5.00	4.86	97	70-130	
2-Methylphenol	5.00	5.45	109	70-130	
3 & 4 Methylphenol	5.00	5.51	110	70-130	
Naphthalene	5.00	4.98	100	70-130	
2-Nitroaniline	5.00	5.70	114	70-130	
3-Nitroaniline	5.00	6.05	121	70-130	
4-Nitroaniline	5.00	5.41	108	70-130	
Nitrobenzene	5.00	5.13	103	70-130	
2-Nitrophenol	5.00	5.29	106	70-130	
4-Nitrophenol	10.0	11.5	115	70-130	
N-Nitrosodi-n-propylamine	5.00	5.35	107	70-130	
N-Nitrosodiphenylamine	10.0	9.71	97	70-130	
Pentachlorophenol	10.0	8.77	88	70-130	
Phenanthrene	5.00	4.96	99	70-130	
Phenol	5.00	5.50	110	70-130	
Pyrene	5.00	5.69	114	70-130	
1,2,4-Trichlorobenzene	5.00	4.91	98	70-130	
2,4,5-Trichlorophenol	5.00	5.41	108	70-130	
2,4,6-Trichlorophenol	5.00	5.37	107	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428013.D

Lab ID: MRL 240-83882/13 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.87	97	70-130	
Acenaphthylene	5.00	5.15	103	70-130	
Anthracene	5.00	5.13	103	70-130	
Benzo[a]anthracene	5.00	5.07	101	70-130	
Benzo[a]pyrene	5.00	5.08	102	70-130	
Benzo[b]fluoranthene	5.00	5.30	106	70-130	
Benzo[g,h,i]perylene	5.00	5.48	110	70-130	
Benzoic acid	10.0	6.46	65	70-130	^ M
Benzo[k]fluoranthene	5.00	4.88	98	70-130	
Benzyl alcohol	5.00	5.37	107	70-130	
Bis(2-chloroethoxy)methane	5.00	5.27	105	70-130	
Bis(2-chloroethyl)ether	5.00	5.14	103	70-130	
bis (2-chloroisopropyl) ether	5.00	5.37	107	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.69	114	70-130	
4-Bromophenyl phenyl ether	5.00	4.65	93	70-130	
Butyl benzyl phthalate	5.00	5.53	111	70-130	
Carbazole	5.00	5.01	100	70-130	
4-Chloroaniline	5.00	5.07	101	70-130	
4-Chloro-3-methylphenol	5.00	5.06	101	70-130	
2-Chloronaphthalene	5.00	5.17	103	70-130	
2-Chlorophenol	5.00	5.15	103	70-130	
4-Chlorophenyl phenyl ether	5.00	4.82	96	70-130	
Chrysene	5.00	4.97	99	70-130	
Dibenz(a,h)anthracene	5.00	5.34	107	70-130	
Dibenzofuran	5.00	4.88	98	70-130	
1,2-Dichlorobenzene	5.00	5.06	101	70-130	
1,3-Dichlorobenzene	5.00	5.11	102	70-130	
1,4-Dichlorobenzene	5.00	5.03	101	70-130	
3,3'-Dichlorobenzidine	10.0	10.8	108	70-130	
2,4-Dichlorophenol	5.00	5.03	101	70-130	
Diethyl phthalate	5.00	5.30	106	70-130	
2,4-Dimethylphenol	5.00	5.05	101	70-130	
Dimethyl phthalate	5.00	5.15	103	70-130	
Di-n-butyl phthalate	5.00	5.05	101	70-130	
4,6-Dinitro-2-methylphenol	10.0	8.24	82	70-130	
2,4-Dinitrophenol	10.0	7.81	78	70-130	
2,4-Dinitrotoluene	5.00	5.56	111	70-130	
2,6-Dinitrotoluene	5.00	5.46	109	70-130	
Di-n-octyl phthalate	5.00	4.90	98	70-130	
Fluoranthene	5.00	4.92	98	70-130	
Fluorene	5.00	4.97	99	70-130	
Hexachlorobenzene	5.00	4.39	88	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30428013.D

Lab ID: MRL 240-83882/13 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	4.64	93	70-130	
Hexachloroethane	5.00	4.99	100	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.38	108	70-130	
Isophorone	5.00	5.23	105	70-130	
2-Methylnaphthalene	5.00	4.76	95	70-130	
2-Methylphenol	5.00	5.33	107	70-130	
3 & 4 Methylphenol	5.00	5.32	106	70-130	
Naphthalene	5.00	4.99	100	70-130	
2-Nitroaniline	5.00	5.72	114	70-130	
3-Nitroaniline	5.00	5.90	118	70-130	
4-Nitroaniline	5.00	5.39	108	70-130	
Nitrobenzene	5.00	5.14	103	70-130	
2-Nitrophenol	5.00	5.13	103	70-130	
4-Nitrophenol	10.0	11.3	113	70-130	
N-Nitrosodi-n-propylamine	5.00	5.29	106	70-130	
N-Nitrosodiphenylamine	10.0	9.46	95	70-130	
Pentachlorophenol	10.0	8.54	85	70-130	
Phenanthrene	5.00	4.88	98	70-130	
Phenol	5.00	5.31	106	70-130	
Pyrene	5.00	5.62	112	70-130	
1,2,4-Trichlorobenzene	5.00	4.82	96	70-130	
2,4,5-Trichlorophenol	5.00	5.21	104	70-130	
2,4,6-Trichlorophenol	5.00	5.39	108	70-130	

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.: 240-22804-1

SDG No.:

Lab File ID: 30417004.D Lab Sample ID: MB 240-81130/22-A

Matrix: Water Date Extracted: 04/09/2013 10:13

Instrument ID: A4HP10 Date Analyzed: 04/17/2013 11:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-81130/23-A	30417005.D	04/17/2013 11:36
079RN-0317-0001-RN	240-22804-11	30417012.D	04/17/2013 14:21

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30422004.D Lab Sample ID: MB 240-81948/23-A

Matrix: Solid Date Extracted: 04/15/2013 11:33

Instrument ID: A4HP9 Date Analyzed: 04/22/2013 10:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-81948/24-A	30422005.D	04/22/2013 10:53
074SB-0015-0001-SO	240-22804-3	30423013.D	04/23/2013 14:35
074SB-0013-0001-SO	240-22804-2	30423014.D	04/23/2013 15:01
074SB-0027-0001-SO	240-22804-10	30423016.D	04/23/2013 15:53
074SB-0024-0001-SO	240-22804-7	30423018.D	04/23/2013 16:44
074SB-0025-0001-SO	240-22804-8	30423019.D	04/23/2013 17:10
074SB-0026-0001-SO	240-22804-9	30423020.D	04/23/2013 17:36
074SB-0023-0001-SO	240-22804-6	30423021.D	04/23/2013 18:01

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30428006.D Lab Sample ID: MB 240-83486/23-A

Matrix: Solid Date Extracted: 04/25/2013 08:16

Instrument ID: A4HP9 Date Analyzed: 04/28/2013 16:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-83486/24-A	30428007.D	04/28/2013 17:21
074SB-0010-0001-SO	240-22804-4	30428011.D	04/28/2013 19:05
074SB-0012-0001-SO	240-22804-5	30428012.D	04/28/2013 19:31

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30411001.D DFTPP Injection Date: 04/11/2013

Instrument ID: A4HP10 DFTPP Injection Time: 17:39

Analysis Batch No.: 81609

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	46.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.0	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	25.0 - 75.0% of mass 198	48.3	
197	Less than 1.0% of mass 198	0.4	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0- 30.0% of mass 198	23.8	
365	Greater than 0.75% of mass 198	2.2	
441	Present, but less than mass 443	10.1	
442	40.0 - 110.0% of mass 198	49.1	
443	15.0 - 24.0% of mass 442	10.2	(20.8)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
	STD5 240-81609/2	30411002.D	04/11/2013	18:04
	STD4 240-81609/3	30411003.D	04/11/2013	18:28
	STD3 240-81609/4	30411004.D	04/11/2013	18:53
	STD2 240-81609/5	30411005.D	04/11/2013	19:17
	STD1 240-81609/6	30411006.D	04/11/2013	19:41
	STD9 240-81609/7	30411007.D	04/11/2013	20:06
	STD8 240-81609/8	30411008.D	04/11/2013	20:30
	STD7 240-81609/9	30411009.D	04/11/2013	20:54
	STD6 240-81609/10	30411010.D	04/11/2013	21:19
	ICV 240-81609/11	30411011.D	04/11/2013	21:43

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30417001.D DFTPP Injection Date: 04/17/2013

Instrument ID: A4HP10 DFTPP Injection Time: 10:08

Analysis Batch No.: 82293

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	44.3	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.8	
70	Less than 2.0% of mass 69	0.1	(0.3)1
127	25.0 - 75.0% of mass 198	48.1	
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	24.1	
365	Greater than 0.75% of mass 198	2.4	
441	Present, but less than mass 443	10.9	
442	40.0 - 110.0% of mass 198	52.8	
443	15.0 - 24.0% of mass 442	11.0	(20.9)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 240-82293/2	30417002.D	04/17/2013	10:26
	MRL 240-82293/3	30417003.D	04/17/2013	10:49
	MB 240-81130/22-A	30417004.D	04/17/2013	11:13
	LCS 240-81130/23-A	30417005.D	04/17/2013	11:36
079RN-0317-0001-RN	240-22804-11	30417012.D	04/17/2013	14:21
	MRL 240-82293/25	30417025.D	04/17/2013	19:29
	mdll1	30417026.D	04/17/2013	19:53
	mdll2	30417027.D	04/17/2013	20:17
	mdll3	30417028.D	04/17/2013	20:40

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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
	MB 240-81948/23-A	30422004.D	04/22/2013	10:27
	LCS 240-81948/24-A	30422005.D	04/22/2013	10:53
	MRL 240-82940/19	30422019.D	04/22/2013	17:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30423001.D DFTPP Injection Date: 04/23/2013

Instrument ID: A4HP9 DFTPP Injection Time: 09:30

Analysis Batch No.: 83126

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	41.6	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	58.0	
70	Less than 2.0% of mass 69	0.4	(0.7)1
127	25.0 - 75.0% of mass 198	48.0	
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	6.4	
275	10.0- 30.0% of mass 198	23.6	
365	Greater than 0.75% of mass 198	3.5	
441	Present, but less than mass 443	13.3	
442	40.0 - 110.0% of mass 198	83.0	
443	15.0 - 24.0% of mass 442	15.3	(18.4)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 240-83126/2	30423002.D	04/23/2013	09:51
	MRL 240-83126/3	30423003.D	04/23/2013	10:17
074SB-0015-0001-SO	240-22804-3	30423013.D	04/23/2013	14:35
074SB-0013-0001-SO	240-22804-2	30423014.D	04/23/2013	15:01
074SB-0027-0001-SO	240-22804-10	30423016.D	04/23/2013	15:53
074SB-0024-0001-SO	240-22804-7	30423018.D	04/23/2013	16:44
074SB-0025-0001-SO	240-22804-8	30423019.D	04/23/2013	17:10
074SB-0026-0001-SO	240-22804-9	30423020.D	04/23/2013	17:36
074SB-0023-0001-SO	240-22804-6	30423021.D	04/23/2013	18:01
	MRL 240-83126/22	30423022.D	04/23/2013	18:27
	mdll1	30423023.D	04/23/2013	18:53
	mdll2	30423024.D	04/23/2013	19:19
	mdll3	30423025.D	04/23/2013	19:45
	mdll4	30423026.D	04/23/2013	20:10

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: 30428001.D DFTPP Injection Date: 04/28/2013

Instrument ID: A4HP9 DFTPP Injection Time: 14:50

Analysis Batch No.: 83882

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	41.4	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	58.5	
70	Less than 2.0% of mass 69	0.4	(0.7)1
127	25.0 - 75.0% of mass 198	47.9	
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	6.8	
275	10.0- 30.0% of mass 198	22.9	
365	Greater than 0.75% of mass 198	3.4	
441	Present, but less than mass 443	12.7	
442	40.0 - 110.0% of mass 198	77.0	
443	15.0 - 24.0% of mass 442	14.9	(19.4)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 240-83882/2	30428002.D	04/28/2013	15:12
	MRL 240-83882/3	30428003.D	04/28/2013	15:38
	MB 240-83486/23-A	30428006.D	04/28/2013	16:55
	LCS 240-83486/24-A	30428007.D	04/28/2013	17:21
074SB-0010-0001-SO	240-22804-4	30428011.D	04/28/2013	19:05
074SB-0012-0001-SO	240-22804-5	30428012.D	04/28/2013	19:31
	MRL 240-83882/13	30428013.D	04/28/2013	19:57
	mdll1	30428014.D	04/28/2013	20:23
	mdll2	30428015.D	04/28/2013	20:48
	mdll3	30428016.D	04/28/2013	21:14

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: STD6 240-81609/10 Date Analyzed: 04/11/2013 21:19

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 30411010.D Heated Purge: (Y/N) N

Calibration ID: 14465

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		186412	5.95	710480	7.06	434356	8.57
UPPER LIMIT		372824	6.45	1420960	7.56	868712	9.07
LOWER LIMIT		93206	5.45	355240	6.56	217178	8.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-81609/11		174408	5.95	682302	7.06	409364	8.57
CCV 240-82293/2		160796	5.91	606933	7.03	362705	8.53
MRL 240-82293/3		140316	5.91	537944	7.03	332912	8.53
MB 240-81130/22-A		114159	5.91	439002	7.03	255977	8.53
LCS 240-81130/23-A		117145	5.91	442454	7.03	272107	8.53
240-22804-11	079RN-0317-0001-RN	130369	5.91	478480	7.03	274353	8.53
MRL 240-82293/25		181576	5.91	701977	7.03	438949	8.53
mdl11 LODV		153309	5.91	586104	7.03	347486	8.53
mdl12 LODV		183228	5.91	702708	7.03	433086	8.53
mdl13 LODV		167136	5.91	627709	7.03	388666	8.53

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.: 240-22804-1

SDG No.:

Sample No.: STD6 240-81609/10 Date Analyzed: 04/11/2013 21:19

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 30411010.D Heated Purge: (Y/N) N

Calibration ID: 14465

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		809912	9.84	883495	12.45	695044	14.57
UPPER LIMIT		1619824	10.34	1766990	12.95	1390088	15.07
LOWER LIMIT		404956	9.34	441748	11.95	347522	14.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-81609/11		751682	9.84	793717	12.45	637005	14.57
CCV 240-82293/2		707260	9.80	760652	12.39	589424	14.50
MRL 240-82293/3		633384	9.80	682642	12.39	527951	14.50
MB 240-81130/22-A		496991	9.80	483527	12.38	391525	14.50
LCS 240-81130/23-A		505367	9.80	549673	12.39	439574	14.50
240-22804-11	079RN-0317-0001-RN	529990	9.80	524141	12.39	410442	14.49
MRL 240-82293/25		823536	9.80	897529	12.39	723319	14.50
mdl11 LODV		658575	9.80	678534	12.39	572017	14.49
mdl12 LODV		815695	9.80	855788	12.39	703490	14.50
mdl13 LODV		742587	9.80	784481	12.39	628754	14.50

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.: 240-22804-1

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		392788	7.25	1636874	8.36	950772	9.87
LOWER LIMIT		98197	6.25	409219	7.36	237693	8.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-82668/11		184345	6.75	782369	7.86	449358	9.37
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
MB 240-81948/23-A		132888	6.72	558528	7.83	335005	9.34
LCS 240-81948/24-A		138323	6.72	591142	7.83	300213	9.33
MRL 240-82940/19		189001	6.72	778803	7.82	456081	9.33
CCV 240-83126/2		162078	6.69	680147	7.81	402522	9.31
MRL 240-83126/3		161213	6.69	654722	7.81	372214	9.31
240-22804-3	074SB-0015-0001-SO	151347	6.70	639844	7.81	385081	9.31
240-22804-2	074SB-0013-0001-SO	146535	6.70	620839	7.81	370456	9.31
240-22804-10	074SB-0027-0001-SO	161526	6.70	669847	7.80	404484	9.31
240-22804-7	074SB-0024-0001-SO	146178	6.70	640957	7.81	380275	9.31
240-22804-8	074SB-0025-0001-SO	156210	6.69	664748	7.81	405399	9.31
240-22804-9	074SB-0026-0001-SO	150394	6.69	621710	7.81	366598	9.31
240-22804-6	074SB-0023-0001-SO	162356	6.69	658892	7.81	395210	9.31
MRL 240-83126/22		234195	6.70	981860	7.81	567135	9.31
mdl11 LODV		234455	6.70	975906	7.81	579078	9.31
mdl12 LODV		200317	6.70	809353	7.81	470008	9.31
mdl13 LODV		214747	6.69	883556	7.81	529651	9.31
mdl14 LODV		226437	6.69	955326	7.81	577173	9.31
CCV 240-83882/2		208226	6.64	869190	7.76	456354	9.26
MRL 240-83882/3		206269	6.64	875284	7.75	447974	9.25
MB 240-83486/23-A		172637	6.64	722056	7.75	379949	9.25
LCS 240-83486/24-A		182383	6.65	772137	7.76	405233	9.26
240-22804-4	074SB-0010-0001-SO	191930	6.64	817092	7.75	434850	9.26
240-22804-5	074SB-0012-0001-SO	173014	6.64	728745	7.75	391334	9.25
MRL 240-83882/13		250825	6.64	1047670	7.75	534043	9.26
mdl11 LODV		253448	6.64	1055566	7.76	562990	9.26

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.: 240-22804-1

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		392788	7.25	1636874	8.36	950772	9.87
LOWER LIMIT		98197	6.25	409219	7.36	237693	8.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
mdl12 LODV		251536	6.65	1061687	7.76	546303	9.26
mdl13 LODV		250608	6.64	1074860	7.75	563271	9.25

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.: 240-22804-1

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		1328466	11.15	1864138	13.53	1482642	15.61
LOWER LIMIT		332117	10.15	466035	12.53	370661	14.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-82668/11		632105	10.65	876638	13.03	726232	15.11
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
MB 240-81948/23-A		535680	10.61	617716	12.97	513152	15.01
LCS 240-81948/24-A		531629	10.61	686824	12.97	598727	15.01
MRL 240-82940/19		674647	10.61	903410	12.97	756950	15.01
CCV 240-83126/2		587872	10.59	823359	12.95	656167	14.97
MRL 240-83126/3		532903	10.58	720507	12.94	552308	14.97
240-22804-3	074SB-0015-0001-SO	670605	10.59	775968	12.95	658649	14.97
240-22804-2	074SB-0013-0001-SO	640437	10.58	726690	12.94	636447	14.96
240-22804-10	074SB-0027-0001-SO	692088	10.58	807174	12.94	702505	14.96
240-22804-7	074SB-0024-0001-SO	671175	10.58	778257	12.94	696657	14.96
240-22804-8	074SB-0025-0001-SO	715028	10.58	820936	12.95	770273	14.97
240-22804-9	074SB-0026-0001-SO	665027	10.58	793031	12.94	754848	14.97
240-22804-6	074SB-0023-0001-SO	671372	10.58	797337	12.94	808472	14.97
MRL 240-83126/22		860220	10.58	1160223	12.95	1045059	14.97
mdll1 LODV		959272	10.59	1136993	12.94	1003623	14.97
mdll2 LODV		753903	10.59	920087	12.94	850234	14.97
mdll3 LODV		867469	10.59	1075871	12.94	899376	14.97
mdll4 LODV		910652	10.58	1159172	12.94	964997	14.97
CCV 240-83882/2		791879	10.53	952687	12.87	770726	14.84
MRL 240-83882/3		781527	10.52	956754	12.87	788236	14.83
MB 240-83486/23-A		641005	10.52	756945	12.86	640599	14.83
LCS 240-83486/24-A		689785	10.53	844635	12.86	701090	14.83
240-22804-4	074SB-0010-0001-SO	747633	10.53	909469	12.86	772682	14.83
240-22804-5	074SB-0012-0001-SO	667240	10.52	802594	12.86	703623	14.83
MRL 240-83882/13		929384	10.53	1135601	12.86	924326	14.83
mdll1 LODV		937815	10.53	1096419	12.86	884224	14.83

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.: 240-22804-1

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		1328466	11.15	1864138	13.53	1482642	15.61
LOWER LIMIT		332117	10.15	466035	12.53	370661	14.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
mdl12 LODV		943774	10.53	1127344	12.86	911836	14.83
mdl13 LODV		952007	10.52	1134310	12.86	928789	14.83

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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0013-0001-SO | Lab Sample ID: 240-22804-2

Matrix: Solid | Lab File ID: 30423014.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:37

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.03(g) | Date Analyzed: 04/23/2013 15:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.9	U	7.9	3.9	3.9
208-96-8	Acenaphthylene	3.9	U	7.9	3.9	3.9
120-12-7	Anthracene	3.9	U	7.9	3.9	3.9
56-55-3	Benzo[a]anthracene	3.9	U	7.9	3.9	3.9
50-32-8	Benzo[a]pyrene	3.9	U	7.9	3.9	3.9
205-99-2	Benzo[b]fluoranthene	3.9	U	7.9	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	3.9	U	7.9	3.9	3.9
65-85-0	Benzoic acid	400	U	780	400	400
207-08-9	Benzo[k]fluoranthene	3.9	U	7.9	3.9	3.9
100-51-6	Benzyl alcohol	32	U	390	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U	120	32	26
111-44-4	Bis(2-chloroethyl)ether	3.9	U	120	3.9	2.4
108-60-1	bis (2-chloroisopropyl) ether	32	U	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	23	J	83	32	23
101-55-3	4-Bromophenyl phenyl ether	32	U	59	32	15
85-68-7	Butyl benzyl phthalate	32	U	83	32	12
86-74-8	Carbazole	32	U	59	32	32
106-47-8	4-Chloroaniline	32	U	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U	180	32	25
91-58-7	2-Chloronaphthalene	3.9	U	59	3.9	3.9
95-57-8	2-Chlorophenol	32	U	59	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U	59	32	15
218-01-9	Chrysene	3.9	U	7.9	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U	7.9	3.9	3.9
132-64-9	Dibenzofuran	3.9	U	59	3.9	3.9
95-50-1	1,2-Dichlorobenzene	32	U	59	32	12
541-73-1	1,3-Dichlorobenzene	32	U	59	32	13
106-46-7	1,4-Dichlorobenzene	32	U	59	32	24
91-94-1	3,3'-Dichlorobenzidine	95	U	120	95	21
120-83-2	2,4-Dichlorophenol	32	U	180	32	24
84-66-2	Diethyl phthalate	32	U	83	32	19
105-67-9	2,4-Dimethylphenol	95	U	180	95	24
131-11-3	Dimethyl phthalate	32	U	83	32	20
84-74-2	Di-n-butyl phthalate	34	J	83	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0013-0001-SO | Lab Sample ID: 240-22804-2

Matrix: Solid | Lab File ID: 30423014.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:37

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.03(g) | Date Analyzed: 04/23/2013 15:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	95	U	180	95	95
51-28-5	2,4-Dinitrophenol	95	U	390	95	95
121-14-2	2,4-Dinitrotoluene	32	U	240	32	32
606-20-2	2,6-Dinitrotoluene	32	U	240	32	25
117-84-0	Di-n-octyl phthalate	32	U	83	32	32
206-44-0	Fluoranthene	3.9	U	7.9	3.9	3.9
86-73-7	Fluorene	3.9	U	7.9	3.9	3.9
118-74-1	Hexachlorobenzene	3.9	U	7.9	3.9	2.5
87-68-3	Hexachlorobutadiene	32	U	59	32	32
77-47-4	Hexachlorocyclopentadiene	32	U	390	32	32
67-72-1	Hexachloroethane	32	U	59	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	3.9	U	7.9	3.9	3.9
78-59-1	Isophorone	32	U	59	32	15
91-57-6	2-Methylnaphthalene	3.9	U	7.9	3.9	3.9
95-48-7	2-Methylphenol	95	U	240	95	95
15831-10-4	3 & 4 Methylphenol	95	U	480	95	24
91-20-3	Naphthalene	3.9	U	7.9	3.9	3.9
88-74-4	2-Nitroaniline	32	U	240	32	11
99-09-2	3-Nitroaniline	95	U	240	95	19
100-01-6	4-Nitroaniline	32	U	240	32	31
98-95-3	Nitrobenzene	3.9	U	120	3.9	2.6
88-75-5	2-Nitrophenol	32	U	59	32	32
100-02-7	4-Nitrophenol	95	U	390	95	95
621-64-7	N-Nitrosodi-n-propylamine	32	U	59	32	32
86-30-6	N-Nitrosodiphenylamine	32	U	59	32	25
87-86-5	Pentachlorophenol	95	U	180	95	95
85-01-8	Phenanthrene	3.9	U	7.9	3.9	3.9
108-95-2	Phenol	32	U	59	32	32
129-00-0	Pyrene	3.9	U	7.9	3.9	3.9
120-82-1	1,2,4-Trichlorobenzene	32	U	59	32	32
95-95-4	2,4,5-Trichlorophenol	32	U	180	32	30
88-06-2	2,4,6-Trichlorophenol	95	U	180	95	95

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0013-0001-SO | Lab Sample ID: 240-22804-2

Matrix: Solid | Lab File ID: 30423014.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:37

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.03(g) | Date Analyzed: 04/23/2013 15:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	64		35-100
4165-62-2	Phenol-d5 (Surr)	76		40-100
1718-51-0	Terphenyl-d14 (Surr)	61		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	36		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423014.D
Lims ID: 240-22804-B-2-A
Client ID: 074SB-0013-0001-SO
Inject. Date: 23-Apr-2013 15:01:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-014
Misc. Info.: 240-22804-B-2-A =240-22804-B-2-A
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 14
Lims Batch ID: 83126
Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59
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: XAWRK009

First Level Reviewer: ulmanm
Date: 24-Apr-2013 08:16:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.699	6.694	0.005	94	146535	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	99	620839	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	86	370456	4.00	
* 4 Phenanthrene-d10	188	10.583	10.588	-0.005	93	640437	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	80	726690	4.00	
* 6 Perylene-d12	264	14.963	14.969	-0.006	93	636447	4.00	
$ 7 2-Fluorophenol	112	5.507	5.486	0.021	94	637239	10.7	
$ 8 Phenol-d5	99	6.330	6.320	0.010	93	906299	11.3	
$ 9 Nitrobenzene-d5	82	7.169	7.169	0.0	85	584032	6.38	
$ 10 2-Fluorobiphenyl (Surr)	172	8.702	8.702	0.0	99	731420	6.63	
$ 11 2,4,6-Tribromophenol	330	9.979	9.984	-0.005	83	65268	5.45	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	98	790046	6.07	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					9
61 Hexachloroethane	117		7.158					9
62 Nitrobenzene	77		7.185					
64 Isophorone	82		7.377					9
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122	7.479	7.506	-0.027	57	3790	1.54	
70 Bis(2-chloroethoxy)methane	93		7.532					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128		7.826					9
76 4-Chloroaniline	127		7.837					
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142		8.414					9
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65		8.889					9
105 Dimethyl phthalate	163		9.012					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					9
112 Acenaphthene	153		9.343					
114 2,4-Dinitrotoluene	165		9.429					
116 Dibenzofuran	168		9.482					9
121 Diethyl phthalate	149		9.600					9
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166		9.776					
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					9
139 4-Bromophenyl phenyl ether	248		10.166					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178		10.604					9
149 Anthracene	178		10.652					9
151 Carbazole	167		10.759					9
154 Di-n-butyl phthalate	149	10.978	10.978	0.0	74	21962	0.4314	
159 Fluoranthene	202		11.624					9
161 Pyrene	202		11.833					9
168 Butyl benzyl phthalate	149		12.271					
173 Bis(2-ethylhexyl) phthalate	149	12.783	12.784	-0.001	90	28564	0.2918	
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228		12.933					9
178 Chrysene	228		12.976					9
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252		14.328					
183 Benzo[k]fluoranthene	252		14.370					9
184 Benzo[a]pyrene	252		14.878					9
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276		17.223					
190 Benzo[g,h,i]perylene	276		17.917					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

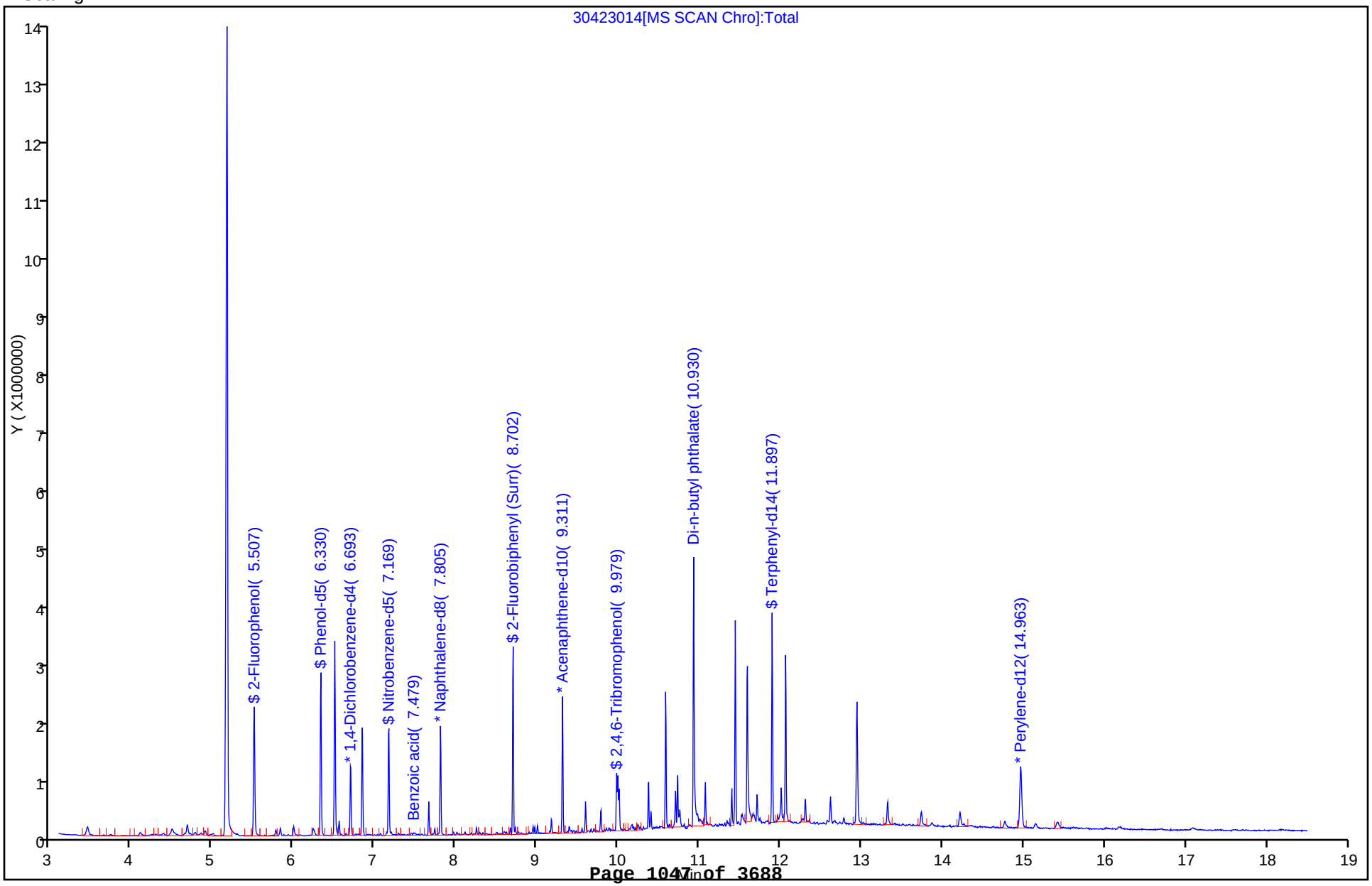
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423014.D

Injection Date:	23-Apr-2013 15:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0013-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



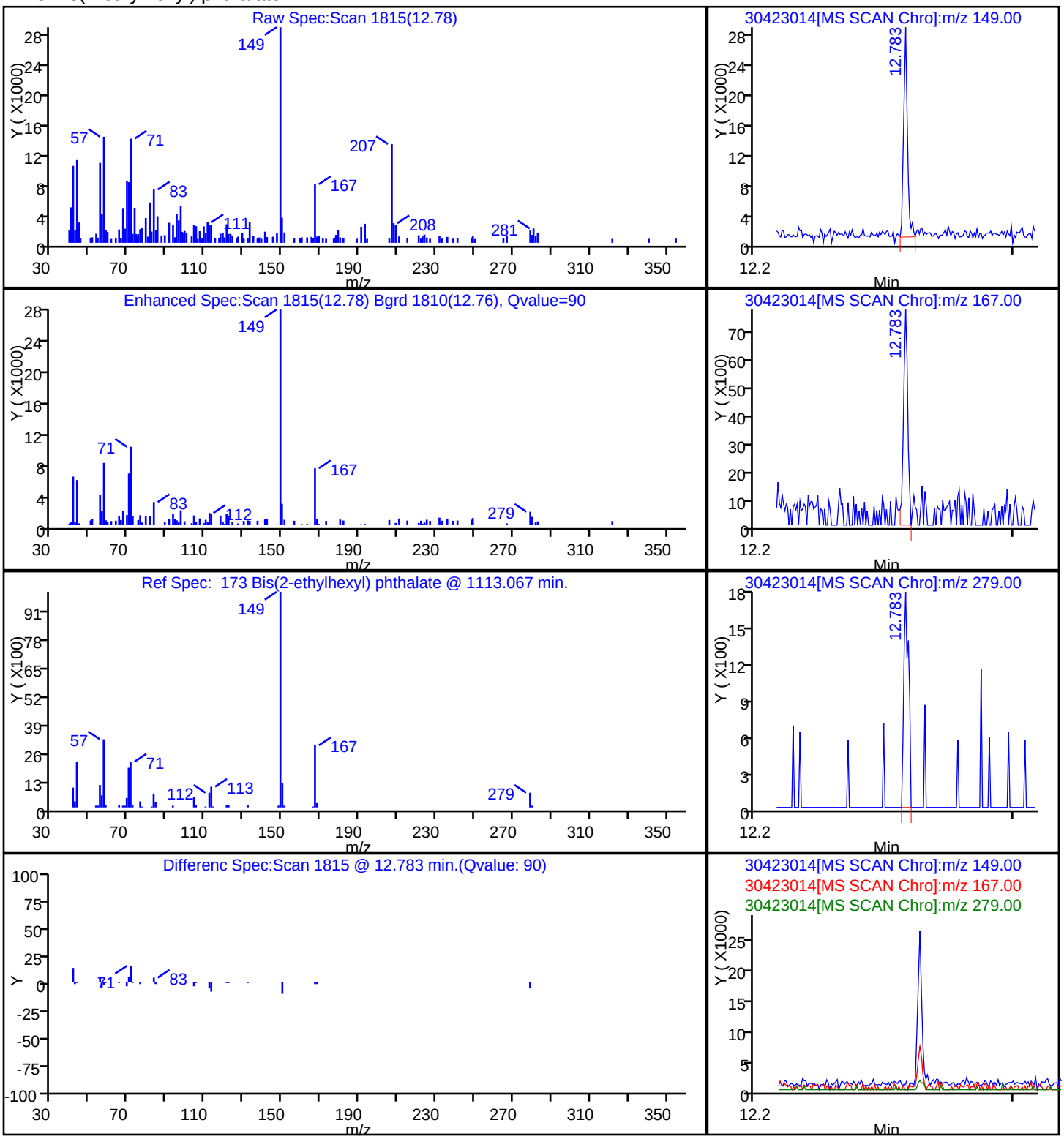
Report Date: 24-Apr-2013 08:46:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423014.D

Injection Date:	23-Apr-2013 15:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0013-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



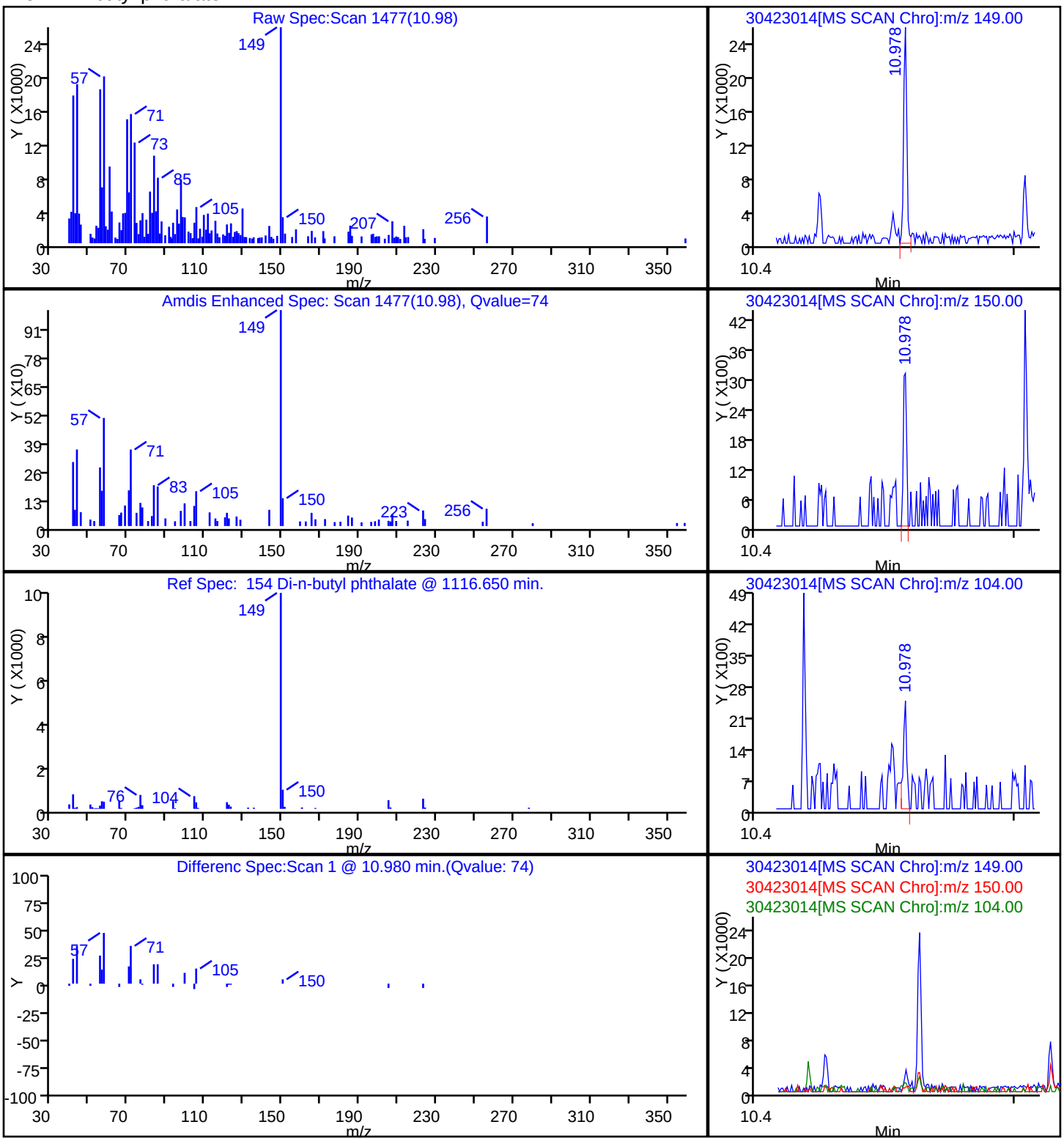
Report Date: 24-Apr-2013 08:46:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423014.D

Injection Date:	23-Apr-2013 15:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0013-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	14
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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0015-0001-SO | Lab Sample ID: 240-22804-3

Matrix: Solid | Lab File ID: 30423013.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:40

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.09(g) | Date Analyzed: 04/23/2013 14:35

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.9	U	7.9	3.9	3.9
208-96-8	Acenaphthylene	3.9	U	7.9	3.9	3.9
120-12-7	Anthracene	3.9	U	7.9	3.9	3.9
56-55-3	Benzo[a]anthracene	3.9	U	7.9	3.9	3.9
50-32-8	Benzo[a]pyrene	3.9	U	7.9	3.9	3.9
205-99-2	Benzo[b]fluoranthene	3.9	U	7.9	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	3.9	U	7.9	3.9	3.9
65-85-0	Benzoic acid	390	U	780	390	390
207-08-9	Benzo[k]fluoranthene	3.9	U	7.9	3.9	3.9
100-51-6	Benzyl alcohol	32	U	390	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U	120	32	26
111-44-4	Bis(2-chloroethyl)ether	3.9	U	120	3.9	2.4
108-60-1	bis (2-chloroisopropyl) ether	32	U	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	32	U	83	32	23
101-55-3	4-Bromophenyl phenyl ether	32	U	59	32	15
85-68-7	Butyl benzyl phthalate	32	U	83	32	12
86-74-8	Carbazole	32	U	59	32	32
106-47-8	4-Chloroaniline	32	U	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U	180	32	25
91-58-7	2-Chloronaphthalene	3.9	U	59	3.9	3.9
95-57-8	2-Chlorophenol	32	U	59	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U	59	32	15
218-01-9	Chrysene	3.9	U	7.9	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U	7.9	3.9	3.9
132-64-9	Dibenzofuran	3.9	U	59	3.9	3.9
95-50-1	1,2-Dichlorobenzene	32	U	59	32	12
541-73-1	1,3-Dichlorobenzene	32	U	59	32	13
106-46-7	1,4-Dichlorobenzene	32	U	59	32	24
91-94-1	3,3'-Dichlorobenzidine	95	U	120	95	21
120-83-2	2,4-Dichlorophenol	32	U	180	32	24
84-66-2	Diethyl phthalate	32	U	83	32	19
105-67-9	2,4-Dimethylphenol	95	U	180	95	24
131-11-3	Dimethyl phthalate	32	U	83	32	20
84-74-2	Di-n-butyl phthalate	30	J	83	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0015-0001-SO | Lab Sample ID: 240-22804-3

Matrix: Solid | Lab File ID: 30423013.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:40

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.09(g) | Date Analyzed: 04/23/2013 14:35

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	95	U	180	95	95
51-28-5	2,4-Dinitrophenol	95	U	390	95	95
121-14-2	2,4-Dinitrotoluene	32	U	240	32	32
606-20-2	2,6-Dinitrotoluene	32	U	240	32	25
117-84-0	Di-n-octyl phthalate	32	U	83	32	32
206-44-0	Fluoranthene	7.3	J	7.9	3.9	3.9
86-73-7	Fluorene	3.9	U	7.9	3.9	3.9
118-74-1	Hexachlorobenzene	3.9	U	7.9	3.9	2.5
87-68-3	Hexachlorobutadiene	32	U	59	32	32
77-47-4	Hexachlorocyclopentadiene	32	U	390	32	32
67-72-1	Hexachloroethane	32	U	59	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	3.9	U	7.9	3.9	3.9
78-59-1	Isophorone	32	U	59	32	15
91-57-6	2-Methylnaphthalene	15		7.9	3.9	3.9
95-48-7	2-Methylphenol	95	U	240	95	95
15831-10-4	3 & 4 Methylphenol	95	U	470	95	24
91-20-3	Naphthalene	11		7.9	3.9	3.9
88-74-4	2-Nitroaniline	32	U	240	32	11
99-09-2	3-Nitroaniline	95	U	240	95	19
100-01-6	4-Nitroaniline	32	U	240	32	31
98-95-3	Nitrobenzene	3.9	U	120	3.9	2.6
88-75-5	2-Nitrophenol	32	U	59	32	32
100-02-7	4-Nitrophenol	95	U	390	95	95
621-64-7	N-Nitrosodi-n-propylamine	32	U	59	32	32
86-30-6	N-Nitrosodiphenylamine	32	U	59	32	25
87-86-5	Pentachlorophenol	95	U	180	95	95
85-01-8	Phenanthrene	3.9	U	7.9	3.9	3.9
108-95-2	Phenol	32	U	59	32	32
129-00-0	Pyrene	4.0	J	7.9	3.9	3.9
120-82-1	1,2,4-Trichlorobenzene	32	U	59	32	32
95-95-4	2,4,5-Trichlorophenol	32	U	180	32	30
88-06-2	2,4,6-Trichlorophenol	95	U	180	95	95

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0015-0001-SO | Lab Sample ID: 240-22804-3

Matrix: Solid | Lab File ID: 30423013.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:40

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.09(g) | Date Analyzed: 04/23/2013 14:35

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	74		40-100
1718-51-0	Terphenyl-d14 (Surr)	60		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	39		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D
Lims ID: 240-22804-B-3-A Client ID: 074SB-0015-0001-SO
Inject. Date: 23-Apr-2013 14:35:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-013
Misc. Info.: 240-22804-B-3-A =240-22804-B-3-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 83126 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 23-Apr-2013 15:04:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.696	6.694	0.002	94	151347	4.00	
* 2 Naphthalene-d8	136	7.807	7.805	0.002	99	639844	4.00	
* 3 Acenaphthene-d10	164	9.313	9.311	0.002	78	385081	4.00	
* 4 Phenanthrene-d10	188	10.585	10.588	-0.003	95	670605	4.00	
* 5 Chrysene-d12	240	12.946	12.949	-0.003	81	775968	4.00	
* 6 Perylene-d12	264	14.965	14.969	-0.004	96	658649	4.00	
$ 7 2-Fluorophenol	112	5.504	5.486	0.018	94	642013	10.4	
$ 8 Phenol-d5	99	6.327	6.320	0.007	91	915506	11.1	
$ 9 Nitrobenzene-d5	82	7.166	7.169	-0.003	85	591098	6.27	
$ 10 2-Fluorobiphenyl (Surr)	172	8.699	8.702	-0.003	99	742832	6.48	
$ 11 2,4,6-Tribromophenol	330	9.981	9.984	-0.003	89	72015	5.79	
$ 12 Terphenyl-d14	244	11.899	11.897	0.002	98	829667	5.97	
43 Phenol	94	6.338	6.336	0.002	52	19731	0.2321	
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					9
61 Hexachloroethane	117		7.158					9
62 Nitrobenzene	77		7.185					
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					9
66 2-Nitrophenol	139		7.463					9
71 Benzoic acid	122		7.506					9
70 Bis(2-chloroethoxy)methane	93		7.532					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					9
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128	7.823	7.826	-0.003	40	22296	0.1441	
76 4-Chloroaniline	127		7.837					9
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					9
87 2-Methylnaphthalene	142	8.410	8.414	-0.004	81	19005	0.1948	
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					9
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					9
107 2,6-Dinitrotoluene	165		9.076					9
109 Acenaphthylene	152		9.194					9
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					9
112 Acenaphthene	153		9.343					
114 2,4-Dinitrotoluene	165		9.429					9
116 Dibenzofuran	168		9.482					9
121 Diethyl phthalate	149		9.600					9
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166		9.776					9
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
139 4-Bromophenyl phenyl ether	248		10.166					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178		10.604					9
149 Anthracene	178		10.652					9
151 Carbazole	167		10.759					9
154 Di-n-butyl phthalate	149	10.975	10.978	-0.003	54	11312	0.3756	
159 Fluoranthene	202	11.626	11.624	0.002	51	11799	0.0923	
161 Pyrene	202	11.829	11.833	-0.004	77	8670	0.0506	
168 Butyl benzyl phthalate	149		12.271					9
173 Bis(2-ethylhexyl) phthalate	149		12.784					
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228		12.933					9
178 Chrysene	228		12.976					9
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252		14.328					
183 Benzo[k]fluoranthene	252		14.370					
184 Benzo[a]pyrene	252		14.878					
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276		17.223					9
190 Benzo[g,h,i]perylene	276		17.917					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

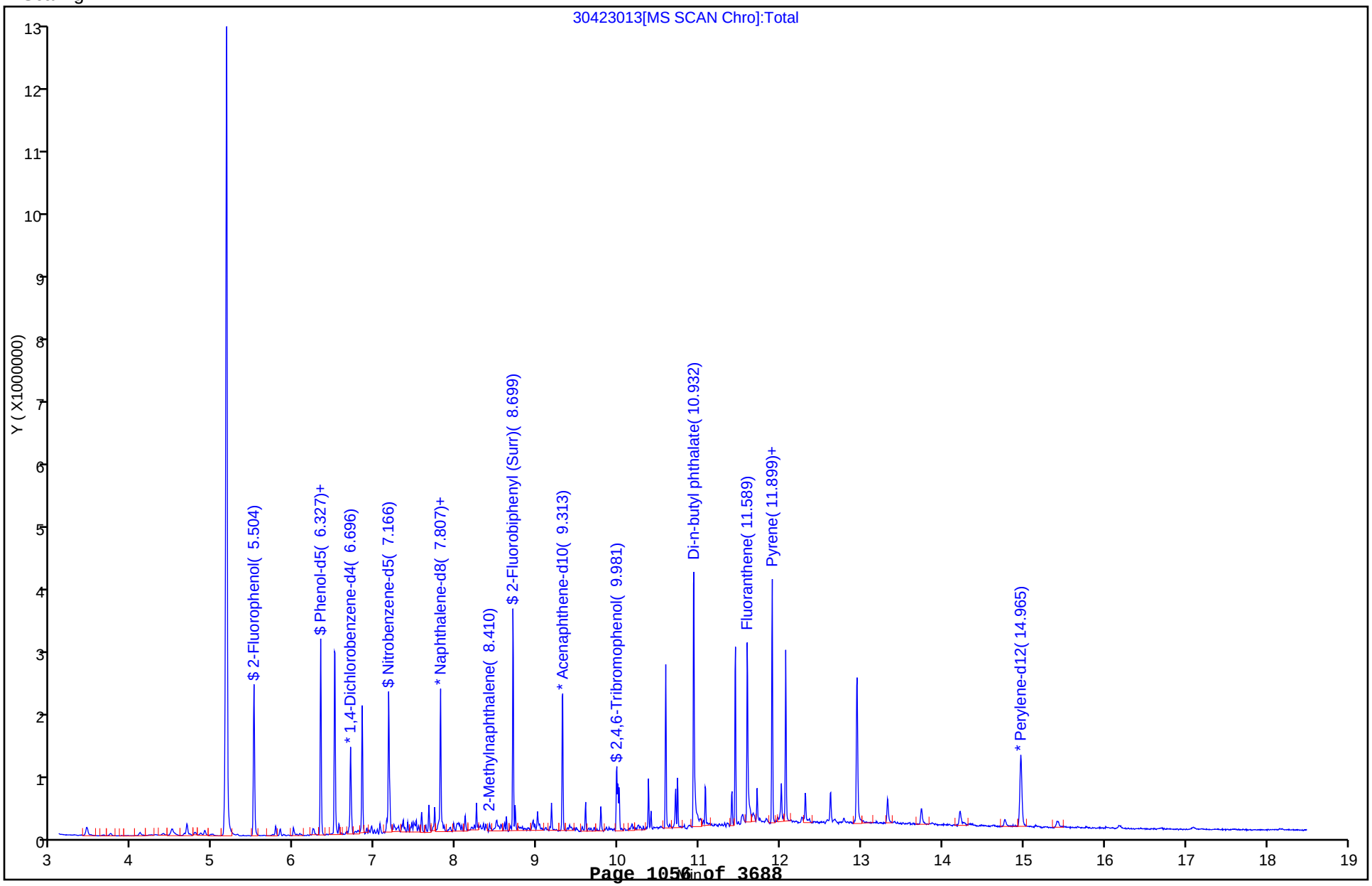
Report Date: 24-Apr-2013 08:45:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



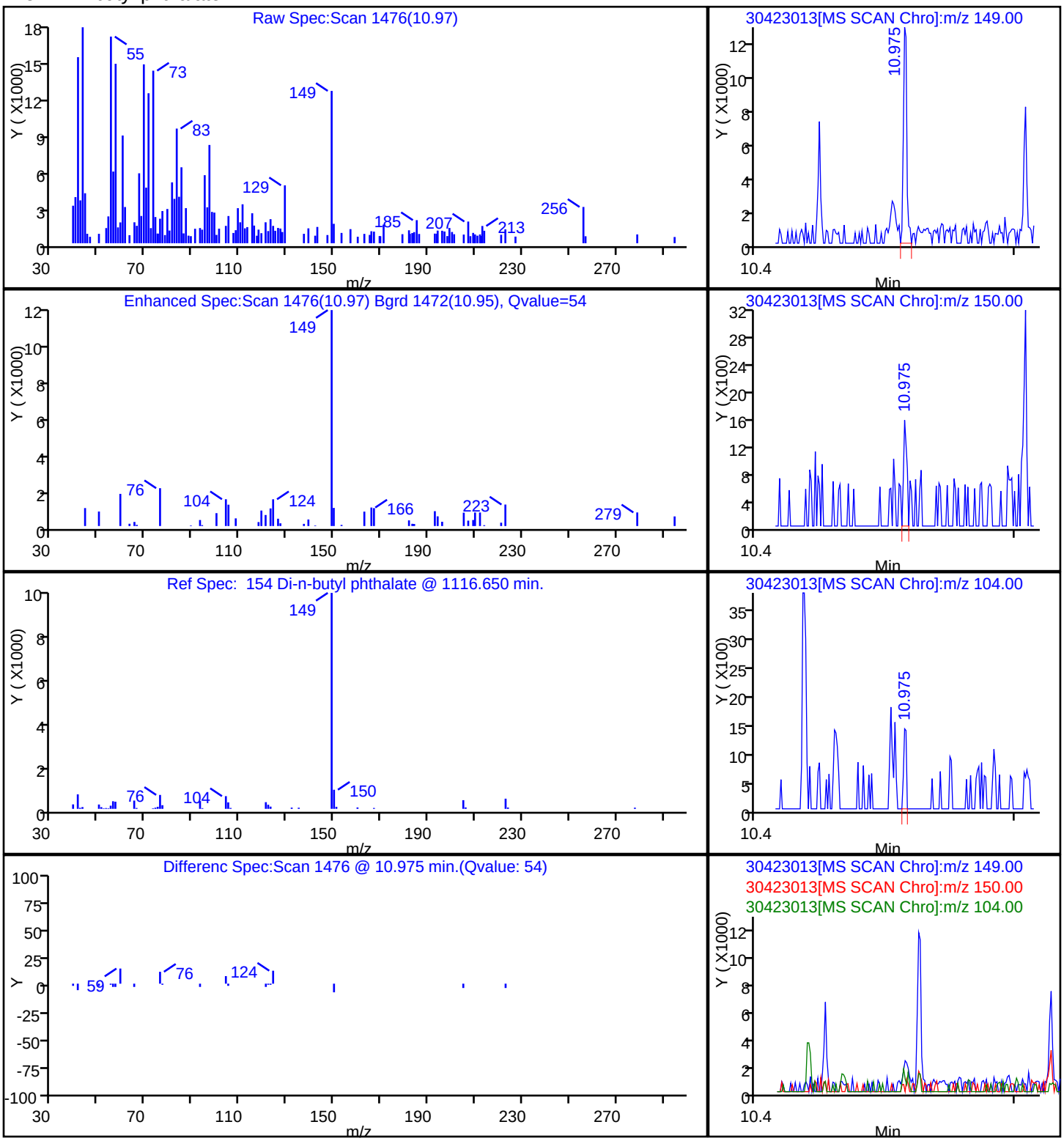
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



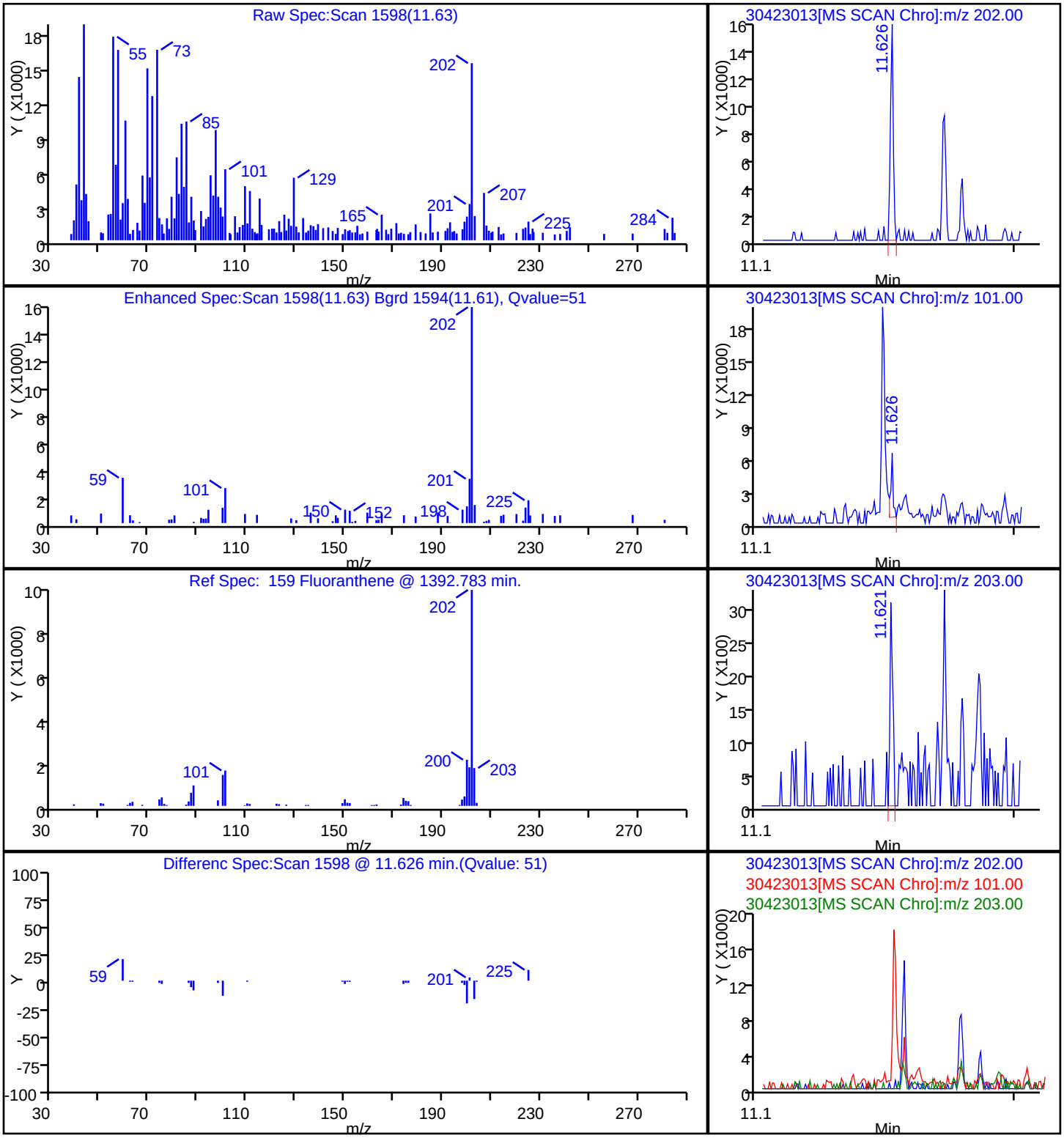
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



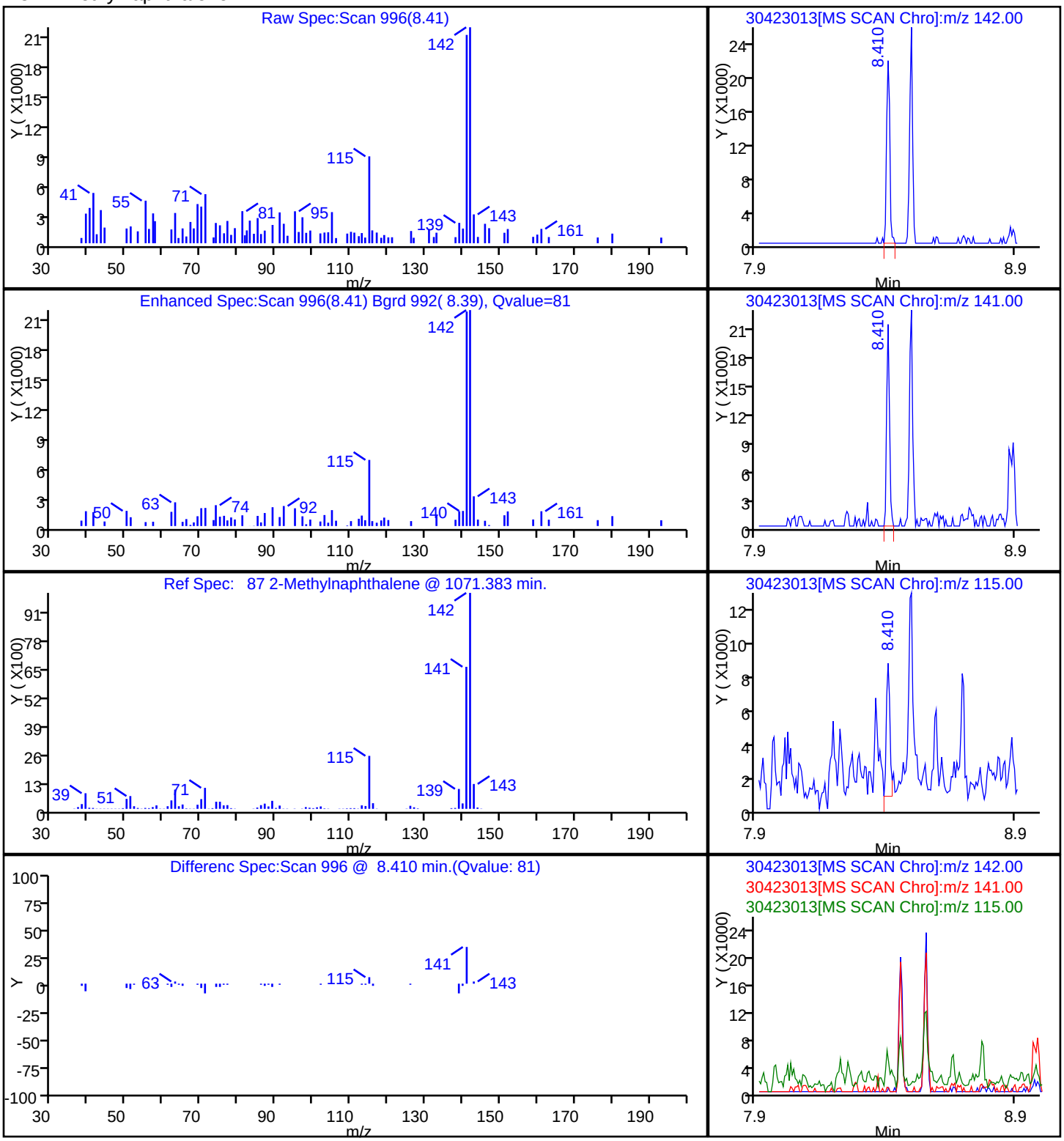
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



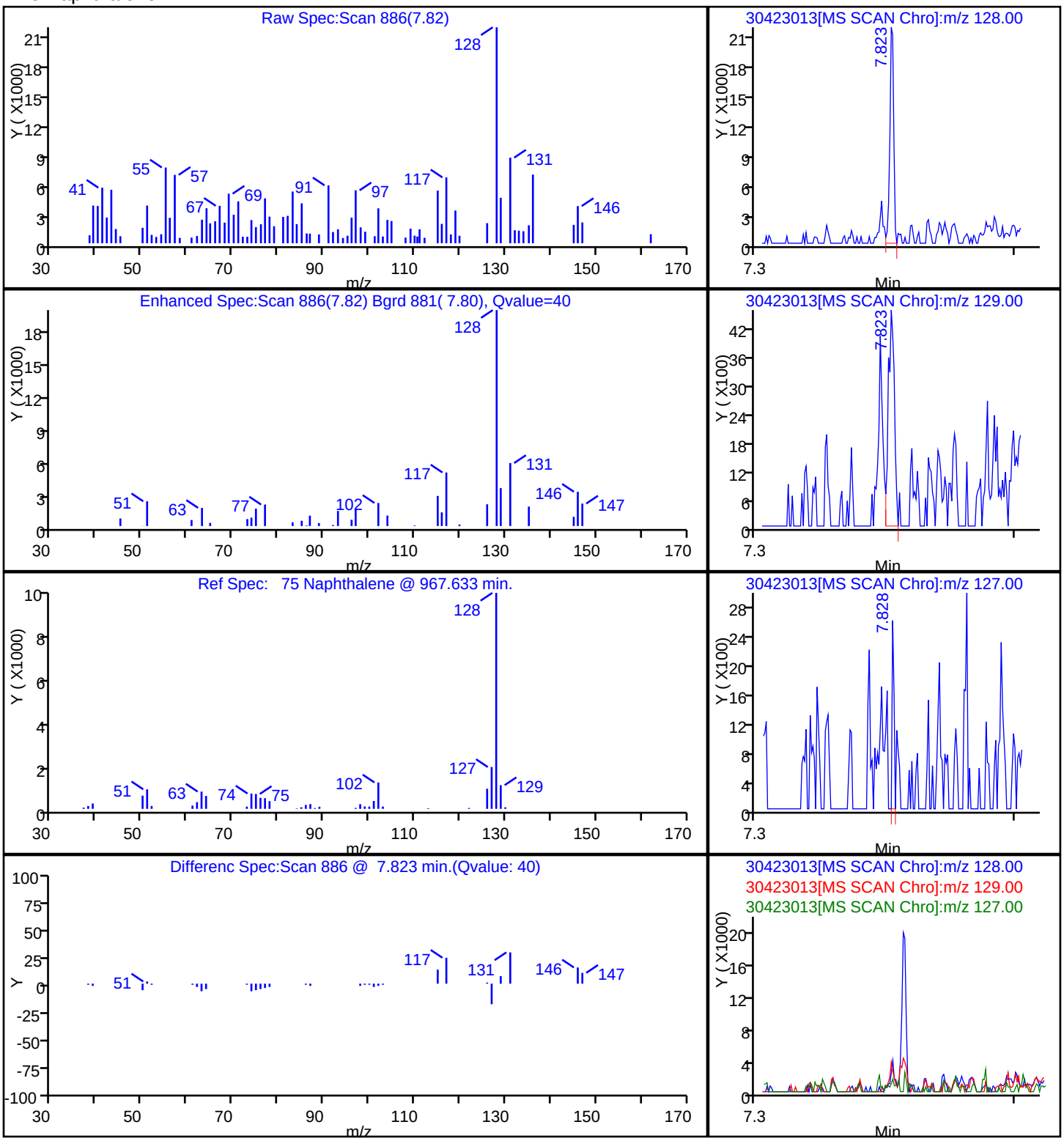
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



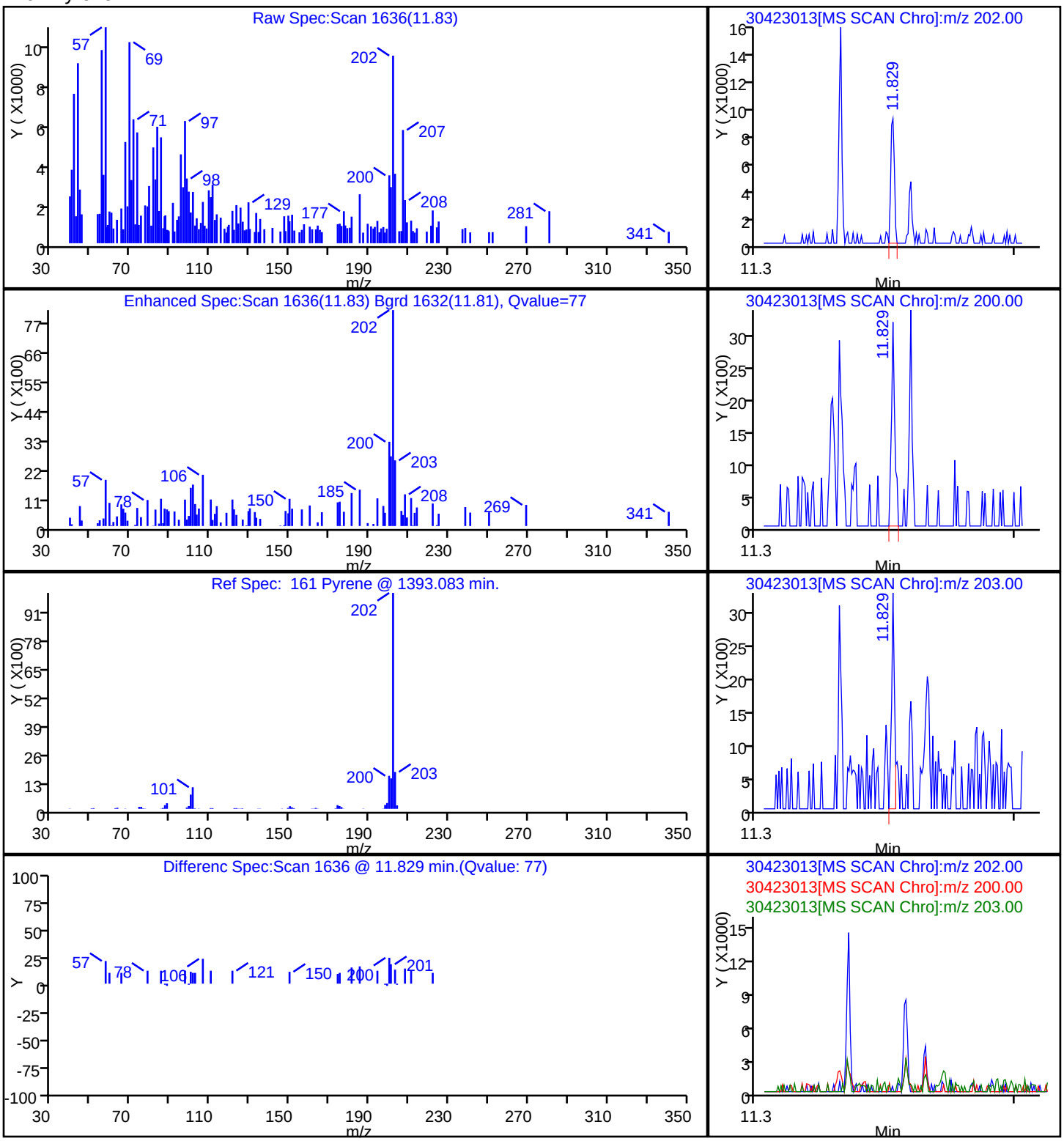
Report Date: 24-Apr-2013 08:46:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423013.D

Injection Date:	23-Apr-2013 14:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: 30428011.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:40

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.30(g) | Date Analyzed: 04/28/2013 19:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.9	U H	7.8	3.9	3.9
208-96-8	Acenaphthylene	3.9	U H	7.8	3.9	3.9
120-12-7	Anthracene	3.9	U H	7.8	3.9	3.9
56-55-3	Benzo[a]anthracene	3.9	U H	7.8	3.9	3.9
50-32-8	Benzo[a]pyrene	3.9	U H	7.8	3.9	3.9
205-99-2	Benzo[b]fluoranthene	3.9	U H	7.8	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	3.9	U H	7.8	3.9	3.9
65-85-0	Benzoic acid	390	U H	770	390	390
207-08-9	Benzo[k]fluoranthene	3.9	U H	7.8	3.9	3.9
100-51-6	Benzyl alcohol	32	U H	390	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U H	120	32	26
111-44-4	Bis(2-chloroethyl)ether	3.9	U H	120	3.9	2.3
108-60-1	bis (2-chloroisopropyl) ether	32	U H	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	120	H	82	32	22
101-55-3	4-Bromophenyl phenyl ether	32	U H	58	32	15
85-68-7	Butyl benzyl phthalate	32	U H	82	32	12
86-74-8	Carbazole	32	U H	58	32	32
106-47-8	4-Chloroaniline	32	U H	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U H	180	32	25
91-58-7	2-Chloronaphthalene	3.9	U H	58	3.9	3.9
95-57-8	2-Chlorophenol	32	U H	58	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U H	58	32	15
218-01-9	Chrysene	3.9	U H	7.8	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U H	7.8	3.9	3.9
132-64-9	Dibenzofuran	3.9	U H	58	3.9	3.9
95-50-1	1,2-Dichlorobenzene	32	U H	58	32	11
541-73-1	1,3-Dichlorobenzene	32	U H	58	32	13
106-46-7	1,4-Dichlorobenzene	32	U H	58	32	23
91-94-1	3,3'-Dichlorobenzidine	93	U H	120	93	21
120-83-2	2,4-Dichlorophenol	32	U H	180	32	23
84-66-2	Diethyl phthalate	32	U H	82	32	19
105-67-9	2,4-Dimethylphenol	93	U H	180	93	23
131-11-3	Dimethyl phthalate	32	U H	82	32	20
84-74-2	Di-n-butyl phthalate	32	U H	82	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: 30428011.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:40

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.30(g) | Date Analyzed: 04/28/2013 19:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	93	U H	180	93	93
51-28-5	2,4-Dinitrophenol	93	U H	390	93	93
121-14-2	2,4-Dinitrotoluene	32	U H	230	32	32
606-20-2	2,6-Dinitrotoluene	32	U H	230	32	25
117-84-0	Di-n-octyl phthalate	32	U H	82	32	32
206-44-0	Fluoranthene	3.9	U H	7.8	3.9	3.9
86-73-7	Fluorene	3.9	U H	7.8	3.9	3.9
118-74-1	Hexachlorobenzene	3.9	U H	7.8	3.9	2.5
87-68-3	Hexachlorobutadiene	32	U H	58	32	32
77-47-4	Hexachlorocyclopentadiene	32	U H	390	32	32
67-72-1	Hexachloroethane	32	U H	58	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	3.9	U H	7.8	3.9	3.9
78-59-1	Isophorone	32	U H	58	32	15
91-57-6	2-Methylnaphthalene	3.9	U H	7.8	3.9	3.9
95-48-7	2-Methylphenol	93	U H	230	93	93
15831-10-4	3 & 4 Methylphenol	93	U H	470	93	23
91-20-3	Naphthalene	3.9	U H	7.8	3.9	3.9
88-74-4	2-Nitroaniline	32	U H	230	32	11
99-09-2	3-Nitroaniline	93	U H	230	93	19
100-01-6	4-Nitroaniline	32	U H	230	32	30
98-95-3	Nitrobenzene	3.9	U H	120	3.9	2.6
88-75-5	2-Nitrophenol	32	U H	58	32	32
100-02-7	4-Nitrophenol	93	U H	390	93	93
621-64-7	N-Nitrosodi-n-propylamine	32	U H	58	32	32
86-30-6	N-Nitrosodiphenylamine	32	U H	58	32	25
87-86-5	Pentachlorophenol	93	U H	180	93	93
85-01-8	Phenanthrene	3.9	U H	7.8	3.9	3.9
108-95-2	Phenol	32	U H	58	32	32
129-00-0	Pyrene	3.9	U H	7.8	3.9	3.9
120-82-1	1,2,4-Trichlorobenzene	32	U H	58	32	32
95-95-4	2,4,5-Trichlorophenol	32	U H	180	32	29
88-06-2	2,4,6-Trichlorophenol	93	U H	180	93	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: 30428011.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:40

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.30(g) | Date Analyzed: 04/28/2013 19:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	65		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	47		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428011.D
Lims ID: 240-22804-G-4-I Client ID: 074SB-0010-0001-SO
Inject. Date: 28-Apr-2013 19:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019340-011
Misc. Info.: 240-22804-G-4-I =240-22804-G-4-I
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 83882 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 09:50:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.0	94	191930	4.00	
* 2 Naphthalene-d8	136	7.752	7.758	-0.006	99	817092	4.00	
* 3 Acenaphthene-d10	164	9.258	9.258	0.0	87	434850	4.00	
* 4 Phenanthrene-d10	188	10.527	10.528	-0.001	97	747633	4.00	
* 5 Chrysene-d12	240	12.859	12.865	-0.006	80	909469	4.00	
* 6 Perylene-d12	264	14.831	14.837	-0.006	96	772682	4.00	
$ 7 2-Fluorophenol	112	5.420	5.406	0.014	94	906262	11.6	
$ 8 Phenol-d5	99	6.276	6.272	0.004	94	1274046	12.2	
$ 9 Nitrobenzene-d5	82	7.118	7.118	0.0	85	812148	6.74	
$ 10 2-Fluorobiphenyl (Surr)	172	8.647	8.648	-0.001	99	926274	7.16	
$ 11 2,4,6-Tribromophenol	330	9.926	9.927	-0.001	87	99243	7.06	
$ 12 Terphenyl-d14	244	11.835	11.836	-0.001	98	1064595	6.53	
43 Phenol	94		6.286					9
69 Bis(2-chloroethyl)ether	93		6.373					9
46 2-Chlorophenol	128		6.460					9
47 1,3-Dichlorobenzene	146		6.599					
48 1,4-Dichlorobenzene	146		6.657					
49 Benzyl alcohol	108		6.739					9
50 1,2-Dichlorobenzene	146		6.801					
51 2-Methylphenol	108		6.825					9
53 2,2'-oxybis[1-chloropropane]	45		6.849					
21 3 & 4 Methylphenol	108		6.950					
57 N-Nitrosodi-n-propylamine	70		6.960					
61 Hexachloroethane	117		7.109					9
62 Nitrobenzene	77		7.133					9
64 Isophorone	82		7.330					9
65 2,4-Dimethylphenol	107		7.412					9
66 2-Nitrophenol	139		7.412					
71 Benzoic acid	122	7.421	7.460	-0.039	68	6533	1.58	
70 Bis(2-chloroethoxy)methane	93		7.484					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.614					
74 1,2,4-Trichlorobenzene	180		7.700					
75 Naphthalene	128		7.772					
76 4-Chloroaniline	127		7.787					9
79 Hexachlorobutadiene	225		7.869					
86 4-Chloro-3-methylphenol	107		8.176					
87 2-Methylnaphthalene	142		8.359					9
89 Hexachlorocyclopentadiene	237		8.499					
92 2,4,6-Trichlorophenol	196		8.585					
93 2,4,5-Trichlorophenol	196		8.624					
100 2-Chloronaphthalene	162		8.777					9
102 2-Nitroaniline	65		8.835					
105 Dimethyl phthalate	163		8.960					9
107 2,6-Dinitrotoluene	165		9.023					9
109 Acenaphthylene	152		9.138					9
110 3-Nitroaniline	138		9.177					
111 2,4-Dinitrophenol	184		9.263					
112 Acenaphthene	153		9.287					9
113 4-Nitrophenol	109		9.287					9
114 2,4-Dinitrotoluene	165		9.374					
116 Dibenzofuran	168		9.427					9
121 Diethyl phthalate	149		9.547					9
123 4-Chlorophenyl phenyl ether	204		9.686					
125 4-Nitroaniline	138		9.701					9
126 Fluorene	166		9.720					9
128 4,6-Dinitro-2-methylphenol	198		9.725					
131 N-Nitrosodiphenylamine	169		9.782					9
139 4-Bromophenyl phenyl ether	248		10.109					
141 Hexachlorobenzene	284		10.206					
143 Pentachlorophenol	266		10.355					
148 Phenanthrene	178		10.547					
149 Anthracene	178		10.590					
151 Carbazole	167		10.701					9
154 Di-n-butyl phthalate	149		10.922					9
159 Fluoranthene	202		11.567					
161 Pyrene	202		11.769					9
168 Butyl benzyl phthalate	149		12.206					
173 Bis(2-ethylhexyl) phthalate	149	12.706	12.711	-0.005	94	182944	1.49	
175 3,3'-Dichlorobenzidine	252		12.769					
177 Benzo[a]anthracene	228		12.851					9
178 Chrysene	228		12.894					9
180 Di-n-octyl phthalate	149		13.428					9
182 Benzo[b]fluoranthene	252		14.211					
183 Benzo[k]fluoranthene	252		14.250					
184 Benzo[a]pyrene	252		14.745					
189 Dibenz(a,h)anthracene	278		17.025					
188 Indeno[1,2,3-cd]pyrene	276		17.025					9
190 Benzo[g,h,i]perylene	276		17.703					9

QC Flag Legend

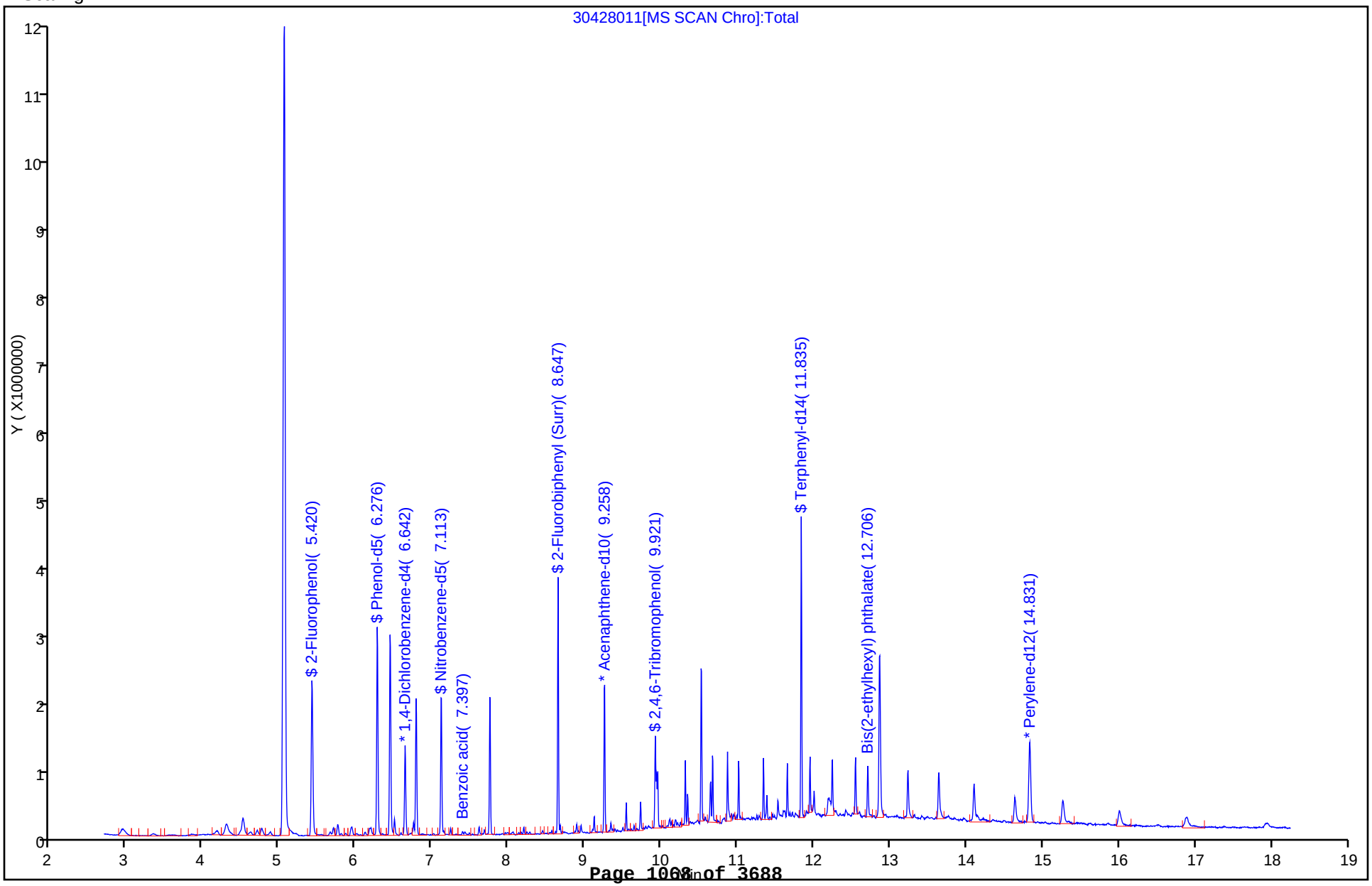
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 29-Apr-2013 10:48:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428011.D		
Injection Date:	28-Apr-2013 19:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



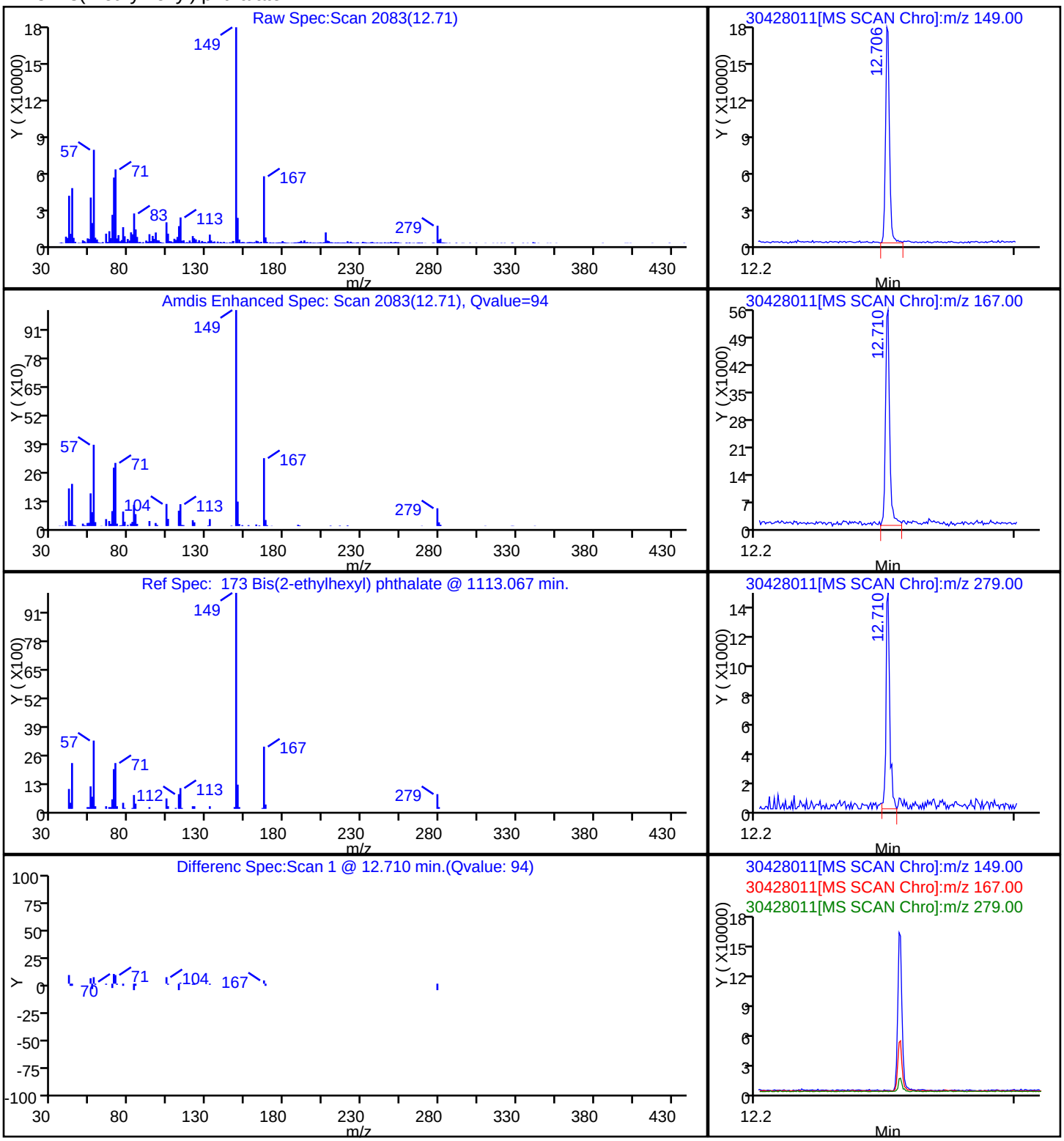
Report Date: 29-Apr-2013 10:48:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428011.D

Injection Date:	28-Apr-2013 19:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83882	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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0012-0001-SO | Lab Sample ID: 240-22804-5

Matrix: Solid | Lab File ID: 30428012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:31

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.32(g) | Date Analyzed: 04/28/2013 19:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.0	U H	8.0	4.0	4.0
208-96-8	Acenaphthylene	4.0	U H	8.0	4.0	4.0
120-12-7	Anthracene	4.0	U H	8.0	4.0	4.0
56-55-3	Benzo[a]anthracene	4.0	U H	8.0	4.0	4.0
50-32-8	Benzo[a]pyrene	4.0	U H	8.0	4.0	4.0
205-99-2	Benzo[b]fluoranthene	4.0	U H	8.0	4.0	4.0
191-24-2	Benzo[g,h,i]perylene	4.0	U H	8.0	4.0	4.0
65-85-0	Benzoic acid	400	U H	790	400	400
207-08-9	Benzo[k]fluoranthene	4.0	U H	8.0	4.0	4.0
100-51-6	Benzyl alcohol	32	U H	400	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U H	120	32	26
111-44-4	Bis(2-chloroethyl)ether	4.0	U H	120	4.0	2.4
108-60-1	bis (2-chloroisopropyl) ether	32	U H	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	49	J H	84	32	23
101-55-3	4-Bromophenyl phenyl ether	32	U H	60	32	16
85-68-7	Butyl benzyl phthalate	32	U H	84	32	12
86-74-8	Carbazole	32	U H	60	32	32
106-47-8	4-Chloroaniline	32	U H	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U H	180	32	25
91-58-7	2-Chloronaphthalene	4.0	U H	60	4.0	4.0
95-57-8	2-Chlorophenol	32	U H	60	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U H	60	32	16
218-01-9	Chrysene	4.0	U H	8.0	4.0	1.3
53-70-3	Dibenz(a,h)anthracene	4.0	U H	8.0	4.0	4.0
132-64-9	Dibenzofuran	4.0	U H	60	4.0	4.0
95-50-1	1,2-Dichlorobenzene	32	U H	60	32	12
541-73-1	1,3-Dichlorobenzene	32	U H	60	32	13
106-46-7	1,4-Dichlorobenzene	32	U H	60	32	24
91-94-1	3,3'-Dichlorobenzidine	96	U H	120	96	22
120-83-2	2,4-Dichlorophenol	32	U H	180	32	24
84-66-2	Diethyl phthalate	32	U H	84	32	19
105-67-9	2,4-Dimethylphenol	96	U H	180	96	24
131-11-3	Dimethyl phthalate	32	U H	84	32	20
84-74-2	Di-n-butyl phthalate	31	J H	84	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0012-0001-SO | Lab Sample ID: 240-22804-5

Matrix: Solid | Lab File ID: 30428012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:31

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.32(g) | Date Analyzed: 04/28/2013 19:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	96	U H	180	96	96
51-28-5	2,4-Dinitrophenol	96	U H	400	96	96
121-14-2	2,4-Dinitrotoluene	32	U H	240	32	32
606-20-2	2,6-Dinitrotoluene	32	U H	240	32	25
117-84-0	Di-n-octyl phthalate	32	U H	84	32	32
206-44-0	Fluoranthene	4.0	U H	8.0	4.0	4.0
86-73-7	Fluorene	4.0	U H	8.0	4.0	4.0
118-74-1	Hexachlorobenzene	4.0	U H	8.0	4.0	2.5
87-68-3	Hexachlorobutadiene	32	U H	60	32	32
77-47-4	Hexachlorocyclopentadiene	32	U H	400	32	32
67-72-1	Hexachloroethane	32	U H	60	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	4.0	U H	8.0	4.0	4.0
78-59-1	Isophorone	32	U H	60	32	16
91-57-6	2-Methylnaphthalene	4.0	U H	8.0	4.0	4.0
95-48-7	2-Methylphenol	96	U H	240	96	96
15831-10-4	3 & 4 Methylphenol	96	U H	480	96	24
91-20-3	Naphthalene	4.0	U H	8.0	4.0	4.0
88-74-4	2-Nitroaniline	32	U H	240	32	11
99-09-2	3-Nitroaniline	96	U H	240	96	19
100-01-6	4-Nitroaniline	32	U H	240	32	31
98-95-3	Nitrobenzene	4.0	U H	120	4.0	2.6
88-75-5	2-Nitrophenol	32	U H	60	32	32
100-02-7	4-Nitrophenol	96	U H	400	96	96
621-64-7	N-Nitrosodi-n-propylamine	32	U H	60	32	32
86-30-6	N-Nitrosodiphenylamine	32	U H	60	32	25
87-86-5	Pentachlorophenol	96	U H	180	96	96
85-01-8	Phenanthrene	4.0	U H	8.0	4.0	4.0
108-95-2	Phenol	32	U H	60	32	32
129-00-0	Pyrene	4.0	U H	8.0	4.0	4.0
120-82-1	1,2,4-Trichlorobenzene	32	U H	60	32	32
95-95-4	2,4,5-Trichlorophenol	32	U H	180	32	30
88-06-2	2,4,6-Trichlorophenol	96	U H	180	96	96

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0012-0001-SO | Lab Sample ID: 240-22804-5

Matrix: Solid | Lab File ID: 30428012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:31

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.32(g) | Date Analyzed: 04/28/2013 19:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	71		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	64		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	50		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428012.D
Lims ID: 240-22804-B-5-C
Client ID: 074SB-0012-0001-SO
Inject. Date: 28-Apr-2013 19:31:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019340-012
Misc. Info.: 240-22804-B-5-C =240-22804-B-5-C
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 83882
Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19
Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm
Date: 29-Apr-2013 09:51:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.643	6.642	0.001	95	173014	4.00	
* 2 Naphthalene-d8	136	7.753	7.758	-0.005	99	728745	4.00	
* 3 Acenaphthene-d10	164	9.254	9.258	-0.004	85	391334	4.00	
* 4 Phenanthrene-d10	188	10.523	10.528	-0.005	96	667240	4.00	
* 5 Chrysene-d12	240	12.860	12.865	-0.005	77	802594	4.00	
* 6 Perylene-d12	264	14.827	14.837	-0.010	92	703623	4.00	
$ 7 2-Fluorophenol	112	5.426	5.406	0.020	94	809924	11.5	
$ 8 Phenol-d5	99	6.282	6.272	0.010	94	1145052	12.1	
$ 9 Nitrobenzene-d5	82	7.119	7.118	0.001	86	720275	6.70	
$ 10 2-Fluorobiphenyl (Surr)	172	8.648	8.648	0.0	99	822225	7.06	
$ 11 2,4,6-Tribromophenol	330	9.922	9.927	-0.005	82	93910	7.43	
$ 12 Terphenyl-d14	244	11.836	11.836	0.0	98	927641	6.45	
43 Phenol	94		6.286					9
69 Bis(2-chloroethyl)ether	93		6.373					24
46 2-Chlorophenol	128		6.460					9
47 1,3-Dichlorobenzene	146		6.599					
48 1,4-Dichlorobenzene	146		6.657					
49 Benzyl alcohol	108		6.739					9
50 1,2-Dichlorobenzene	146		6.801					
51 2-Methylphenol	108		6.825					9
53 2,2'-oxybis[1-chloropropane]	45		6.849					9
21 3 & 4 Methylphenol	108		6.950					
57 N-Nitrosodi-n-propylamine	70		6.960					9
61 Hexachloroethane	117		7.109					9
62 Nitrobenzene	77		7.133					9
64 Isophorone	82		7.330					9
65 2,4-Dimethylphenol	107		7.412					
66 2-Nitrophenol	139		7.412					
71 Benzoic acid	122		7.460					9
70 Bis(2-chloroethoxy)methane	93		7.484					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.614					
74 1,2,4-Trichlorobenzene	180		7.700					
75 Naphthalene	128		7.772					9
76 4-Chloroaniline	127		7.787					9
79 Hexachlorobutadiene	225		7.869					
86 4-Chloro-3-methylphenol	107		8.176					9
87 2-Methylnaphthalene	142		8.359					9
89 Hexachlorocyclopentadiene	237		8.499					
92 2,4,6-Trichlorophenol	196		8.585					
93 2,4,5-Trichlorophenol	196		8.624					
100 2-Chloronaphthalene	162		8.777					9
102 2-Nitroaniline	65		8.835					9
105 Dimethyl phthalate	163		8.960					
107 2,6-Dinitrotoluene	165		9.023					
109 Acenaphthylene	152		9.138					9
110 3-Nitroaniline	138		9.177					9
111 2,4-Dinitrophenol	184		9.263					
112 Acenaphthene	153		9.287					9
113 4-Nitrophenol	109		9.287					
114 2,4-Dinitrotoluene	165		9.374					9
116 Dibenzofuran	168		9.427					9
121 Diethyl phthalate	149		9.547					9
123 4-Chlorophenyl phenyl ether	204		9.686					
125 4-Nitroaniline	138		9.701					9
126 Fluorene	166		9.720					9
128 4,6-Dinitro-2-methylphenol	198		9.725					
131 N-Nitrosodiphenylamine	169		9.782					9
139 4-Bromophenyl phenyl ether	248		10.109					
141 Hexachlorobenzene	284		10.206					
143 Pentachlorophenol	266		10.355					
148 Phenanthrene	178		10.547					9
149 Anthracene	178		10.590					
151 Carbazole	167		10.701					9
154 Di-n-butyl phthalate	149	10.918	10.922	-0.004	69	14163	0.3896	
159 Fluoranthene	202		11.567					
161 Pyrene	202		11.769					
168 Butyl benzyl phthalate	149		12.206					
173 Bis(2-ethylhexyl) phthalate	149	12.707	12.711	-0.004	92	66699	0.6168	
175 3,3'-Dichlorobenzidine	252		12.769					9
177 Benzo[a]anthracene	228		12.851					9
178 Chrysene	228		12.894					9
180 Di-n-octyl phthalate	149		13.428					
182 Benzo[b]fluoranthene	252		14.211					
183 Benzo[k]fluoranthene	252		14.250					
184 Benzo[a]pyrene	252		14.745					9
189 Dibenz(a,h)anthracene	278		17.025					
188 Indeno[1,2,3-cd]pyrene	276		17.025					
190 Benzo[g,h,i]perylene	276		17.703					

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

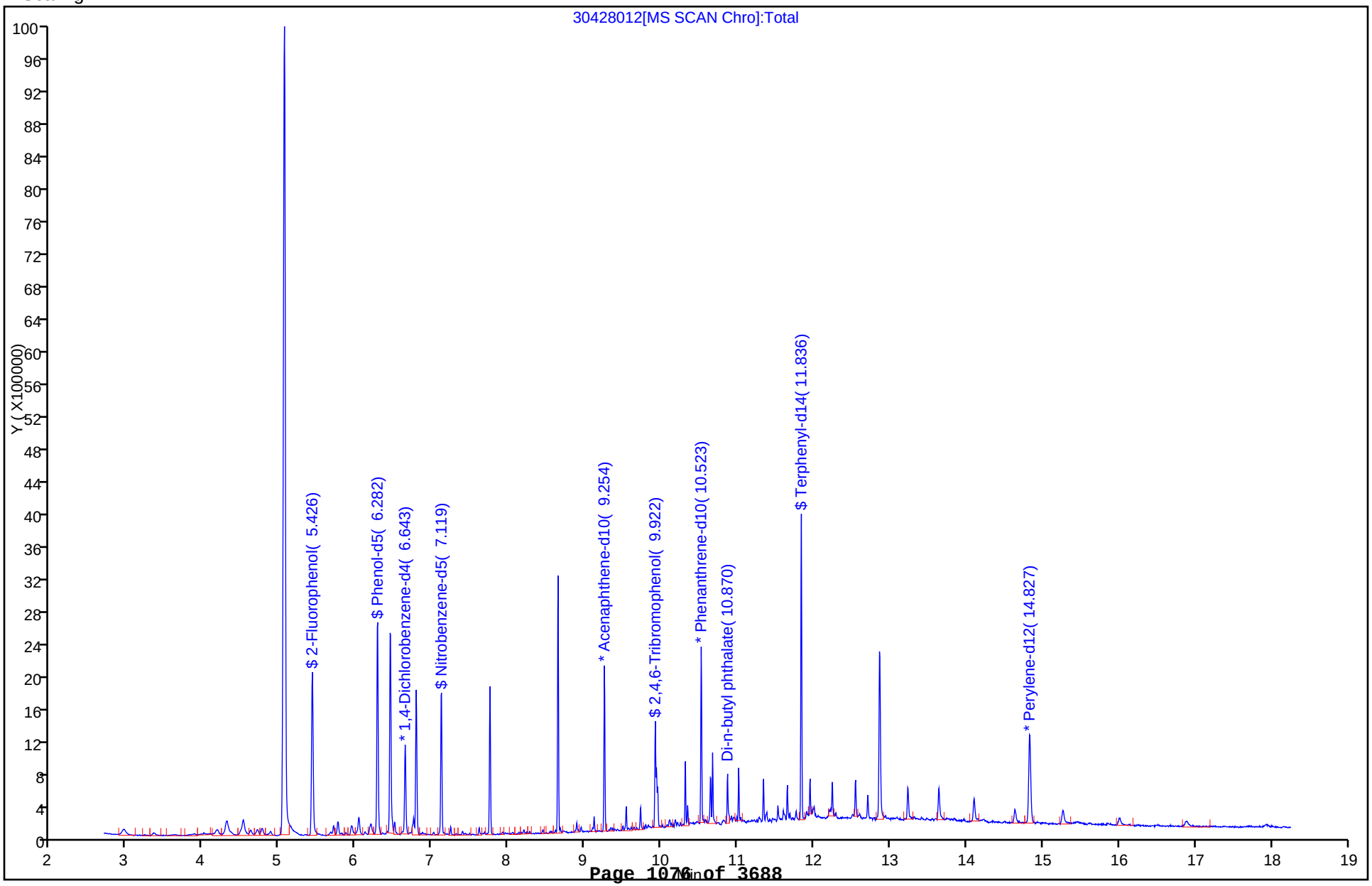
Report Date: 29-Apr-2013 10:48:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428012.D

Injection Date:	28-Apr-2013 19:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0012-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



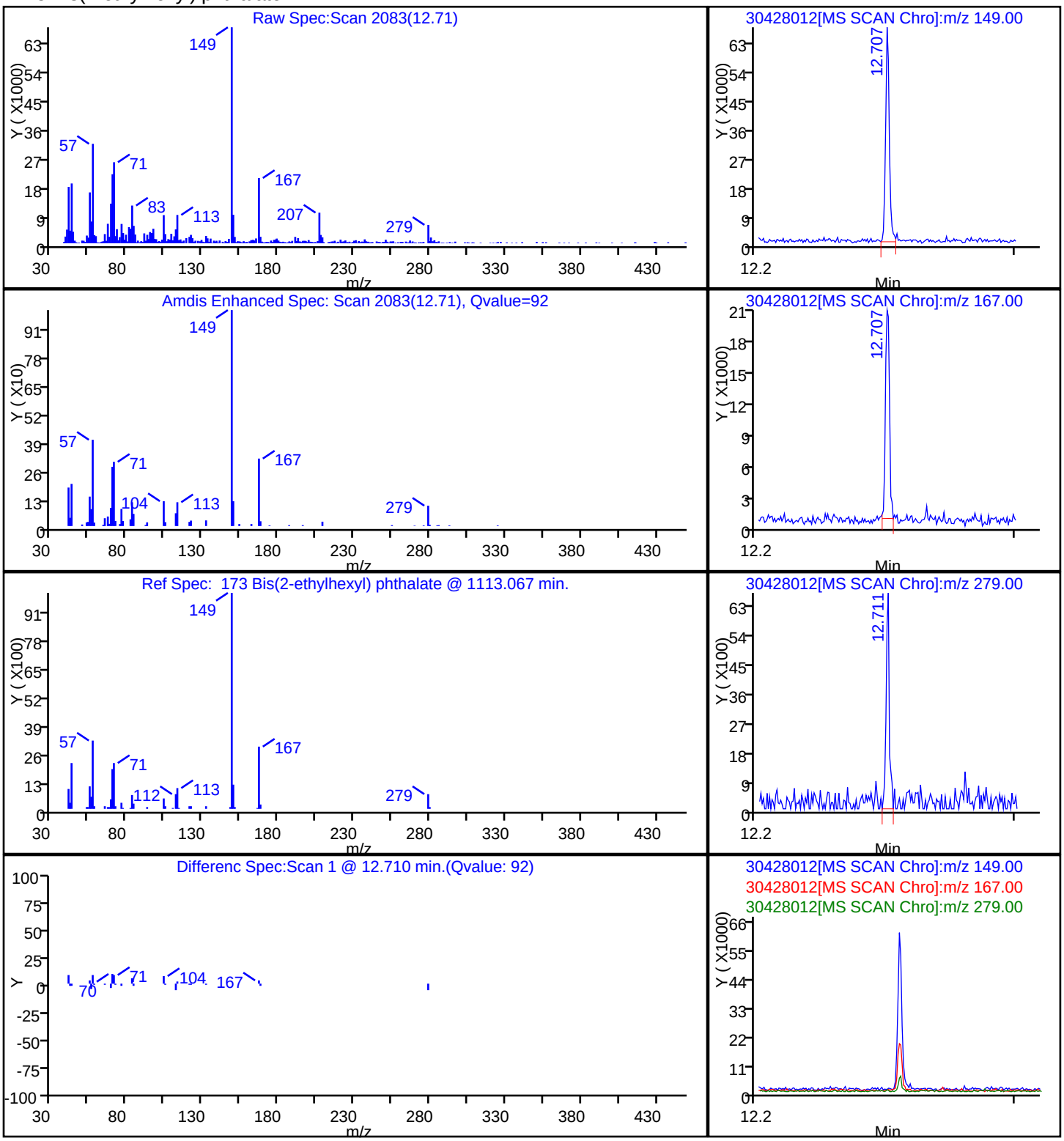
Report Date: 29-Apr-2013 10:48:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428012.D

Injection Date:	28-Apr-2013 19:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0012-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83882	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



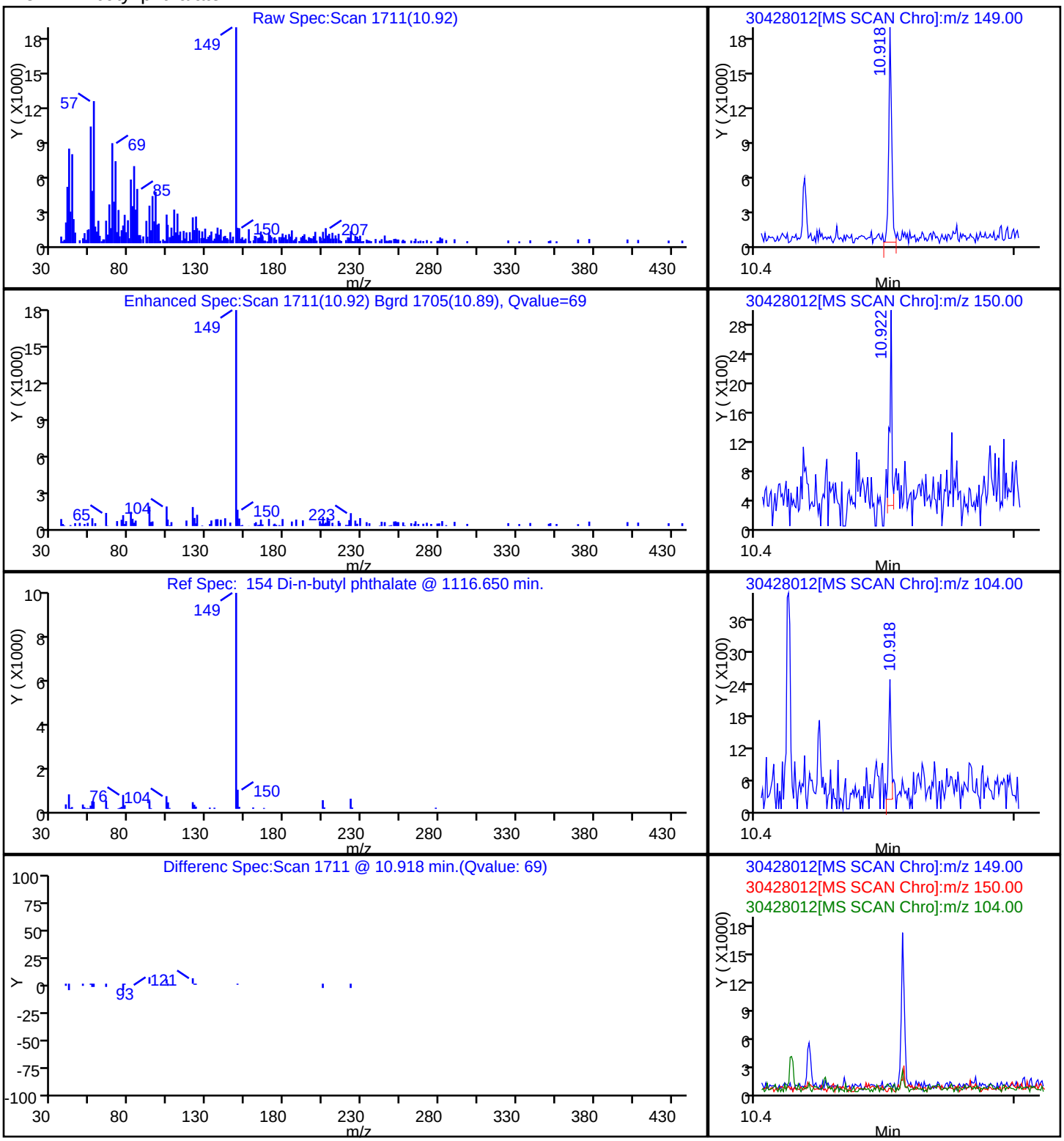
Report Date: 29-Apr-2013 10:48:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428012.D

Injection Date:	28-Apr-2013 19:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0012-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	12
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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0023-0001-SO | Lab Sample ID: 240-22804-6

Matrix: Solid | Lab File ID: 30423021.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:25

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 18:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	85	D	41	20	20
208-96-8	Acenaphthylene	20	U	41	20	20
120-12-7	Anthracene	160	D	41	20	20
56-55-3	Benzo[a]anthracene	260	D	41	20	20
50-32-8	Benzo[a]pyrene	180	D	41	20	20
205-99-2	Benzo[b]fluoranthene	260	D	41	20	20
191-24-2	Benzo[g,h,i]perylene	120	D M	41	20	20
65-85-0	Benzoic acid	2100	U	4100	2100	2100
207-08-9	Benzo[k]fluoranthene	87	D M	41	20	20
100-51-6	Benzyl alcohol	170	U	2000	170	130
111-91-1	Bis(2-chloroethoxy)methane	170	U	620	170	140
111-44-4	Bis(2-chloroethyl)ether	20	U	620	20	12
108-60-1	bis (2-chloroisopropyl) ether	170	U	620	170	59
117-81-7	Bis(2-ethylhexyl) phthalate	170	U	430	170	120
101-55-3	4-Bromophenyl phenyl ether	170	U	310	170	80
85-68-7	Butyl benzyl phthalate	170	U	430	170	62
86-74-8	Carbazole	170	U	310	170	170
106-47-8	4-Chloroaniline	170	U	930	170	110
59-50-7	4-Chloro-3-methylphenol	170	U	930	170	130
91-58-7	2-Chloronaphthalene	20	U	310	20	20
95-57-8	2-Chlorophenol	170	U	310	170	170
7005-72-3	4-Chlorophenyl phenyl ether	170	U	310	170	80
218-01-9	Chrysene	330	D	41	20	6.8
53-70-3	Dibenz(a,h)anthracene	20	U	41	20	20
132-64-9	Dibenzofuran	56	J D	310	20	20
95-50-1	1,2-Dichlorobenzene	170	U	310	170	60
541-73-1	1,3-Dichlorobenzene	170	U	310	170	68
106-46-7	1,4-Dichlorobenzene	170	U	310	170	120
91-94-1	3,3'-Dichlorobenzidine	500	U	620	500	110
120-83-2	2,4-Dichlorophenol	170	U	930	170	120
84-66-2	Diethyl phthalate	170	U	430	170	99
105-67-9	2,4-Dimethylphenol	500	U	930	500	120
131-11-3	Dimethyl phthalate	170	U	430	170	110
84-74-2	Di-n-butyl phthalate	170	U	430	170	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0023-0001-SO | Lab Sample ID: 240-22804-6

Matrix: Solid | Lab File ID: 30423021.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:25

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 18:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	500	U	930	500	500
51-28-5	2,4-Dinitrophenol	500	U	2000	500	500
121-14-2	2,4-Dinitrotoluene	170	U	1200	170	170
606-20-2	2,6-Dinitrotoluene	170	U	1200	170	130
117-84-0	Di-n-octyl phthalate	170	U	430	170	170
206-44-0	Fluoranthene	670	D	41	20	20
86-73-7	Fluorene	90	D	41	20	20
118-74-1	Hexachlorobenzene	20	U	41	20	13
87-68-3	Hexachlorobutadiene	170	U	310	170	170
77-47-4	Hexachlorocyclopentadiene	170	U	2000	170	170
67-72-1	Hexachloroethane	170	U	310	170	56
193-39-5	Indeno[1,2,3-cd]pyrene	96	D	41	20	20
78-59-1	Isophorone	170	U	310	170	80
91-57-6	2-Methylnaphthalene	20	U	41	20	20
95-48-7	2-Methylphenol	500	U	1200	500	500
15831-10-4	3 & 4 Methylphenol	500	U	2500	500	120
91-20-3	Naphthalene	20	U	41	20	20
88-74-4	2-Nitroaniline	170	U	1200	170	56
99-09-2	3-Nitroaniline	500	U	1200	500	99
100-01-6	4-Nitroaniline	170	U	1200	170	160
98-95-3	Nitrobenzene	20	U	620	20	14
88-75-5	2-Nitrophenol	170	U	310	170	170
100-02-7	4-Nitrophenol	500	U	2000	500	500
621-64-7	N-Nitrosodi-n-propylamine	170	U	310	170	170
86-30-6	N-Nitrosodiphenylamine	170	U	310	170	130
87-86-5	Pentachlorophenol	500	U	930	500	500
85-01-8	Phenanthrene	330	D	41	20	20
108-95-2	Phenol	170	U	310	170	170
129-00-0	Pyrene	570	D	41	20	20
120-82-1	1,2,4-Trichlorobenzene	170	U	310	170	170
95-95-4	2,4,5-Trichlorophenol	170	U	930	170	150
88-06-2	2,4,6-Trichlorophenol	500	U	930	500	500

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0023-0001-SO | Lab Sample ID: 240-22804-6

Matrix: Solid | Lab File ID: 30423021.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:25

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 18:01

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		45-105
367-12-4	2-Fluorophenol (Surr)	63		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	57		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	46		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D
Lims ID: 240-22804-B-6-A Client ID: 074SB-0023-0001-SO
Inject. Date: 23-Apr-2013 18:01:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019166-021
Misc. Info.: 240-22804-B-6-A =240-22804-B-6-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 83126 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:28:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	94	162356	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	99	658892	4.00	
* 3 Acenaphthene-d10	164	9.312	9.311	0.001	78	395210	4.00	
* 4 Phenanthrene-d10	188	10.583	10.588	-0.005	97	671372	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	85	797337	4.00	
* 6 Perylene-d12	264	14.974	14.969	0.005	98	808472	4.00	
$ 7 2-Fluorophenol	112	5.492	5.486	0.006	92	125262	1.90	
$ 8 Phenol-d5	99	6.325	6.320	0.005	93	176695	1.99	
$ 9 Nitrobenzene-d5	82	7.164	7.169	-0.005	84	109969	1.13	
$ 10 2-Fluorobiphenyl (Surr)	172	8.703	8.702	0.001	98	140680	1.20	
$ 11 2,4,6-Tribromophenol	330	9.985	9.984	0.001	80	17534	1.37	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	95	155472	1.09	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					
53 2,2'-oxybis[1-chloropropane]	45		6.897					9
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					9
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					9
64 Isophorone	82		7.377					9
65 2,4-Dimethylphenol	107		7.458					9
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122		7.506					
70 Bis(2-chloroethoxy)methane	93		7.532					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128		7.826					
76 4-Chloroaniline	127		7.837					
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					9
87 2-Methylnaphthalene	142		8.414					9
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
110 3-Nitroaniline	138		9.231					9
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					9
112 Acenaphthene	153	9.338	9.343	-0.005	80	19836	0.2070	
114 2,4-Dinitrotoluene	165		9.429					
116 Dibenzofuran	168	9.482	9.482	0.0	72	18863	0.1365	
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166	9.776	9.776	0.0	86	23720	0.2189	
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					9
139 4-Bromophenyl phenyl ether	248		10.166					9
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178	10.604	10.604	0.0	91	131730	0.7952	
149 Anthracene	178	10.647	10.652	-0.005	93	63752	0.3892	
151 Carbazole	167	10.759	10.759	0.0	54	13889	0.3041	
154 Di-n-butyl phthalate	149		10.978					9
159 Fluoranthene	202	11.625	11.624	0.001	98	321884	1.63	
161 Pyrene	202	11.828	11.833	-0.005	92	244277	1.39	
168 Butyl benzyl phthalate	149		12.271					
173 Bis(2-ethylhexyl) phthalate	149		12.784					
175 3,3'-Dichlorobenzidine	252		12.848					
177 Benzo[a]anthracene	228	12.934	12.933	0.001	81	118978	0.6312	
178 Chrysene	228	12.976	12.976	0.0	80	145256	0.8007	
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252	14.333	14.328	0.005	85	130319	0.6237	
183 Benzo[k]fluoranthene	252	14.365	14.370	-0.005	1	49914	0.2106	M
184 Benzo[a]pyrene	252	14.883	14.878	0.005	54	87710	0.4282	
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276	17.213	17.223	-0.010	77	48512	0.2334	
190 Benzo[g,h,i]perylene	276	17.918	17.917	0.001	92	49972	0.2912	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

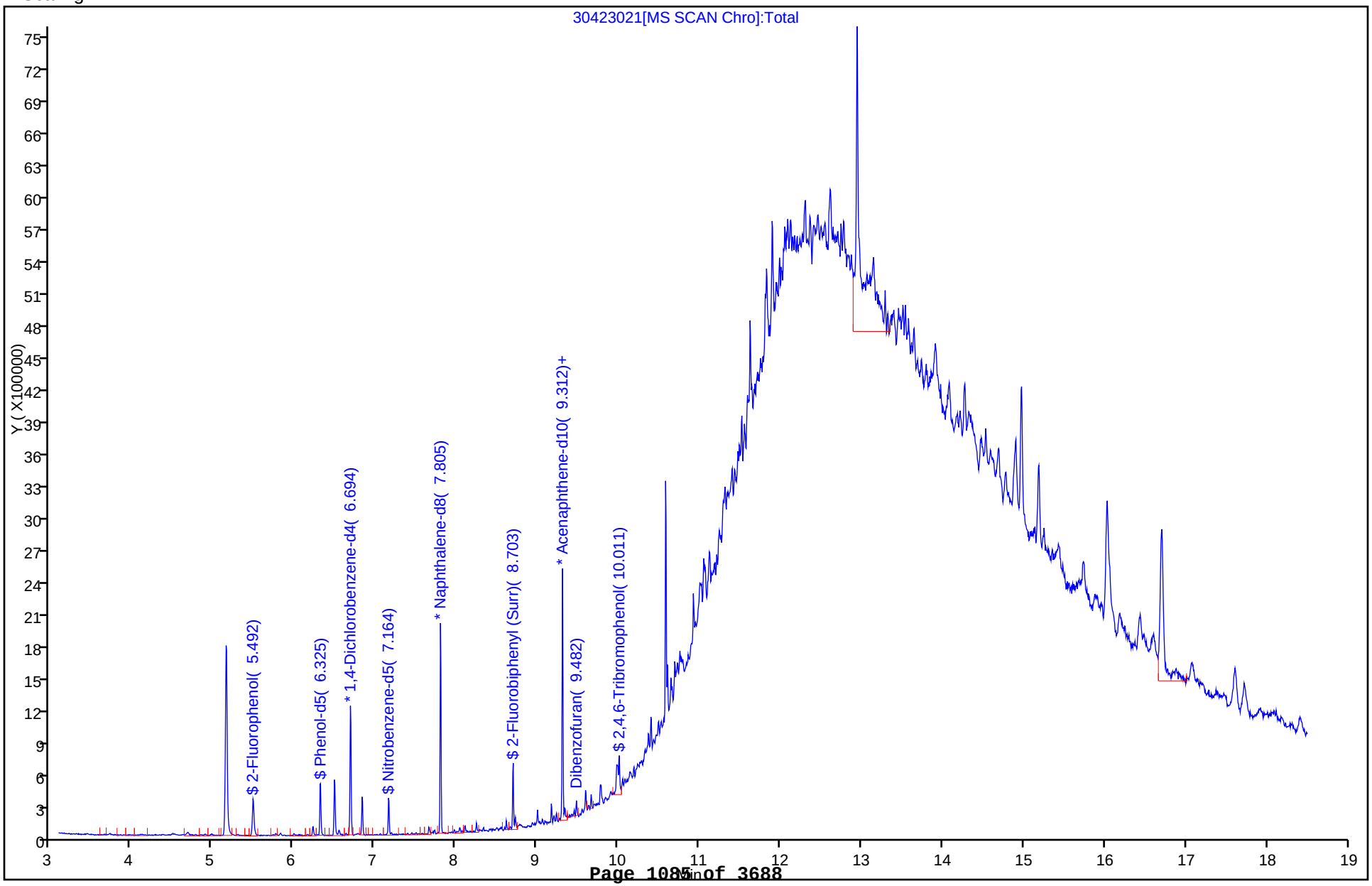
Review Flags
M - Manually Integrated

Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D		
Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



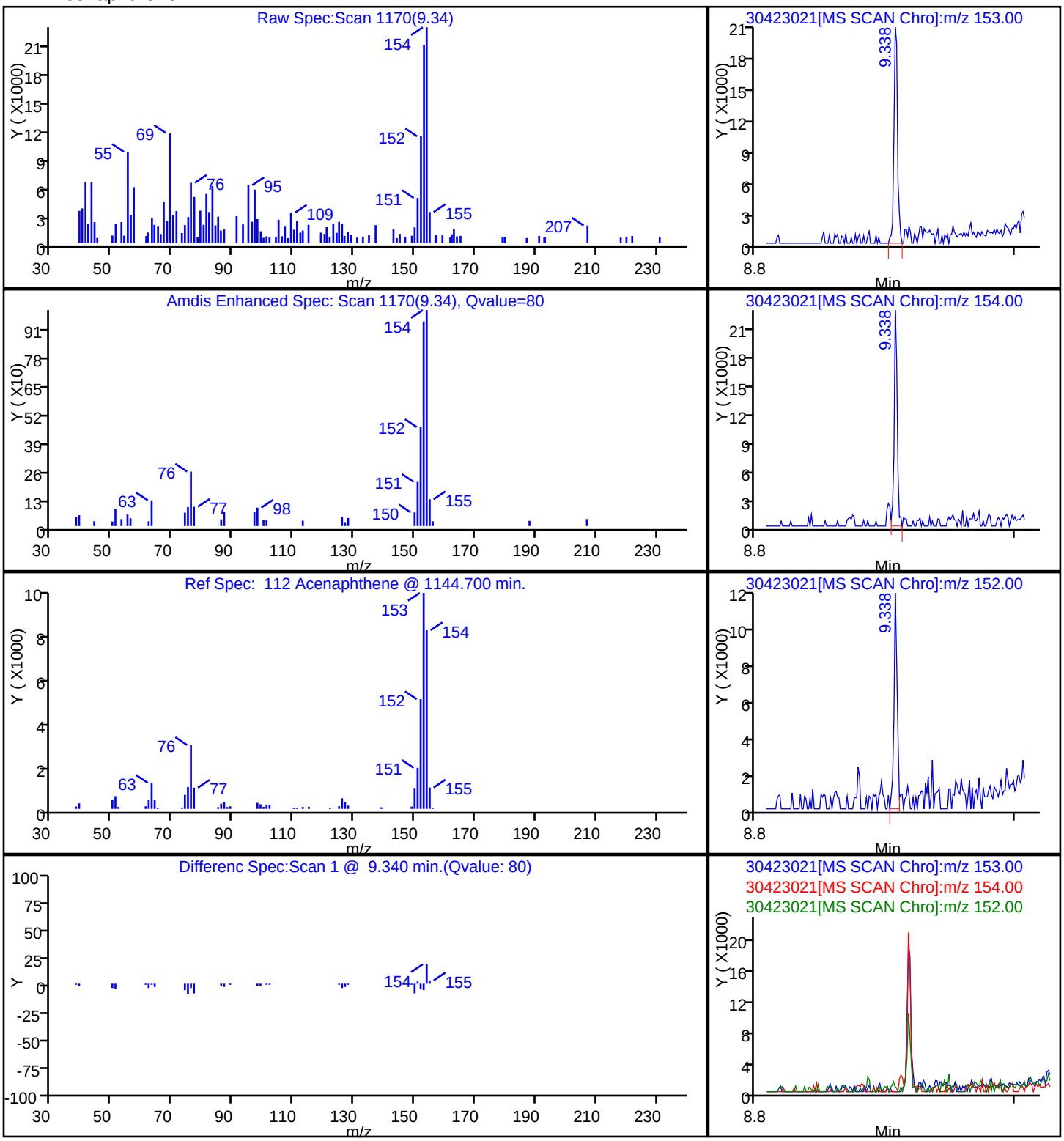
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

112 Acenaphthene



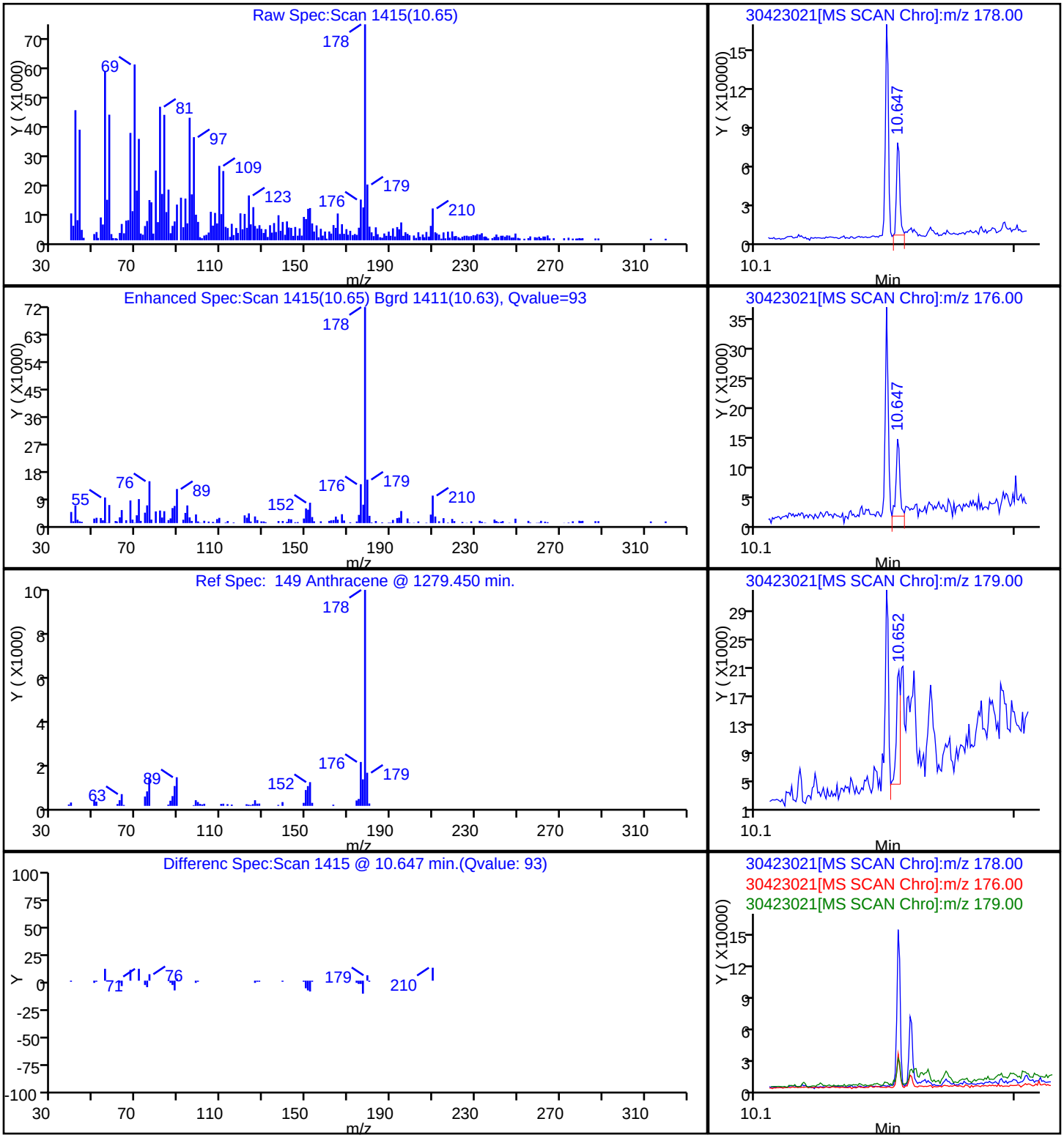
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



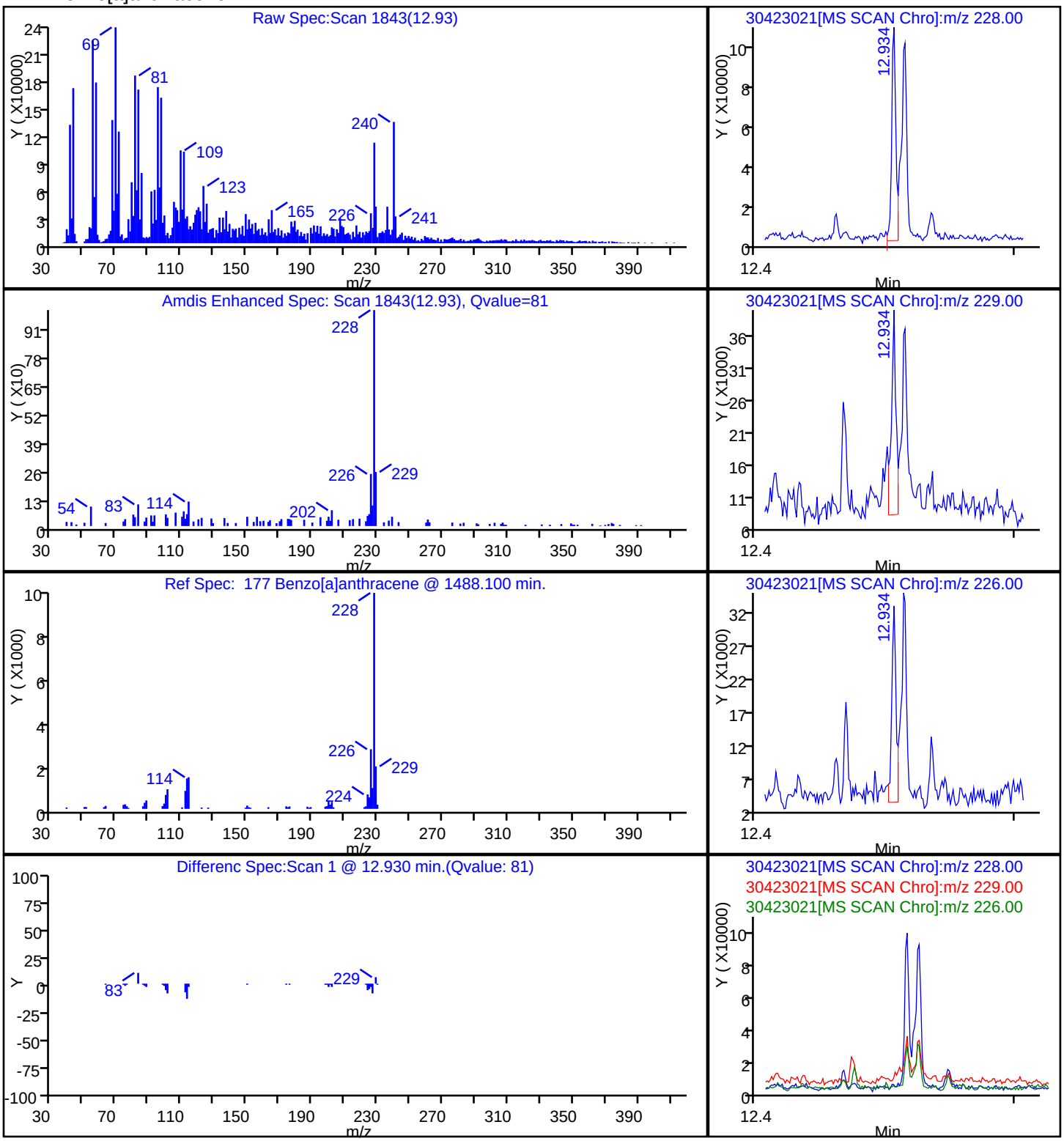
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



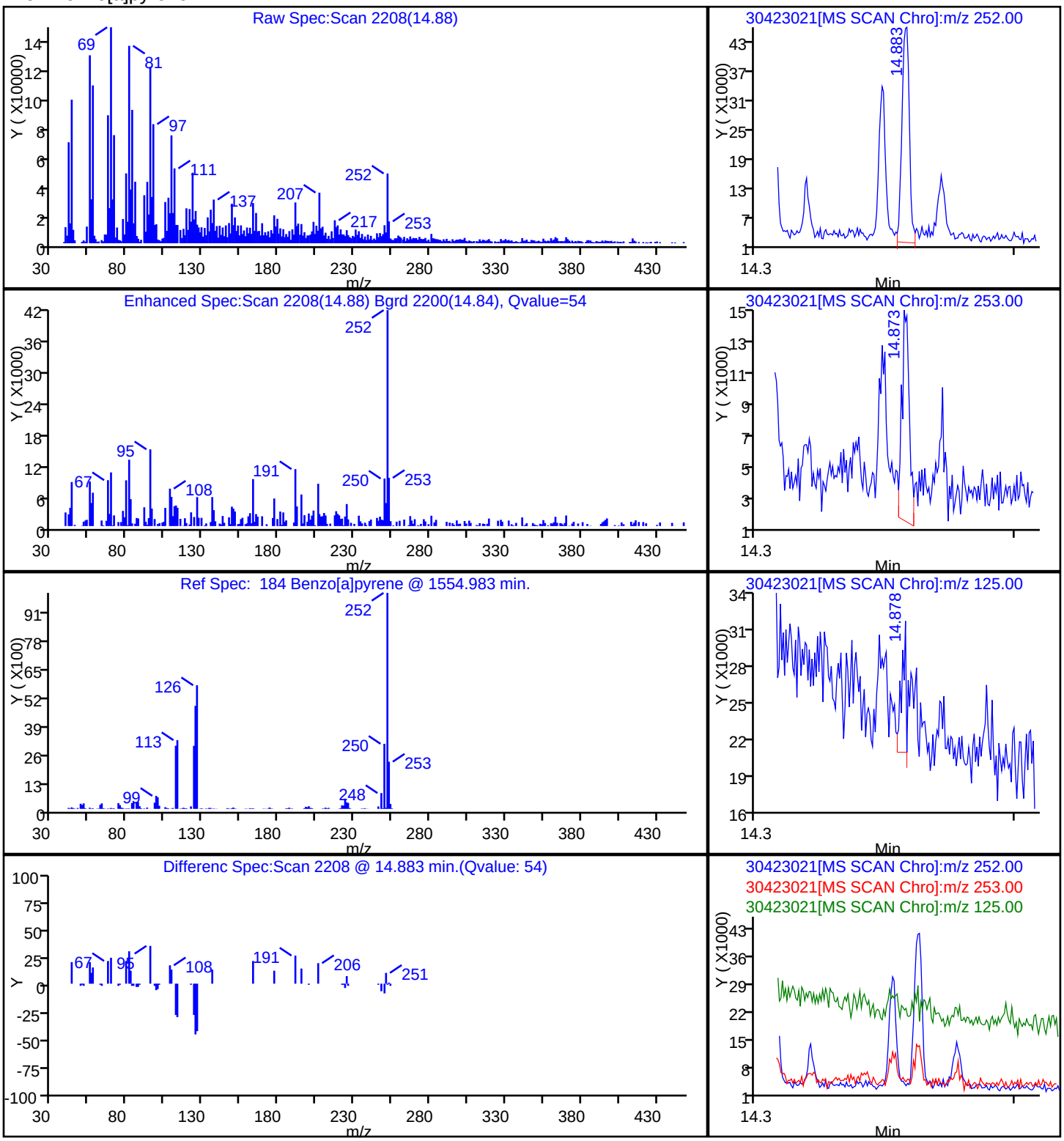
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



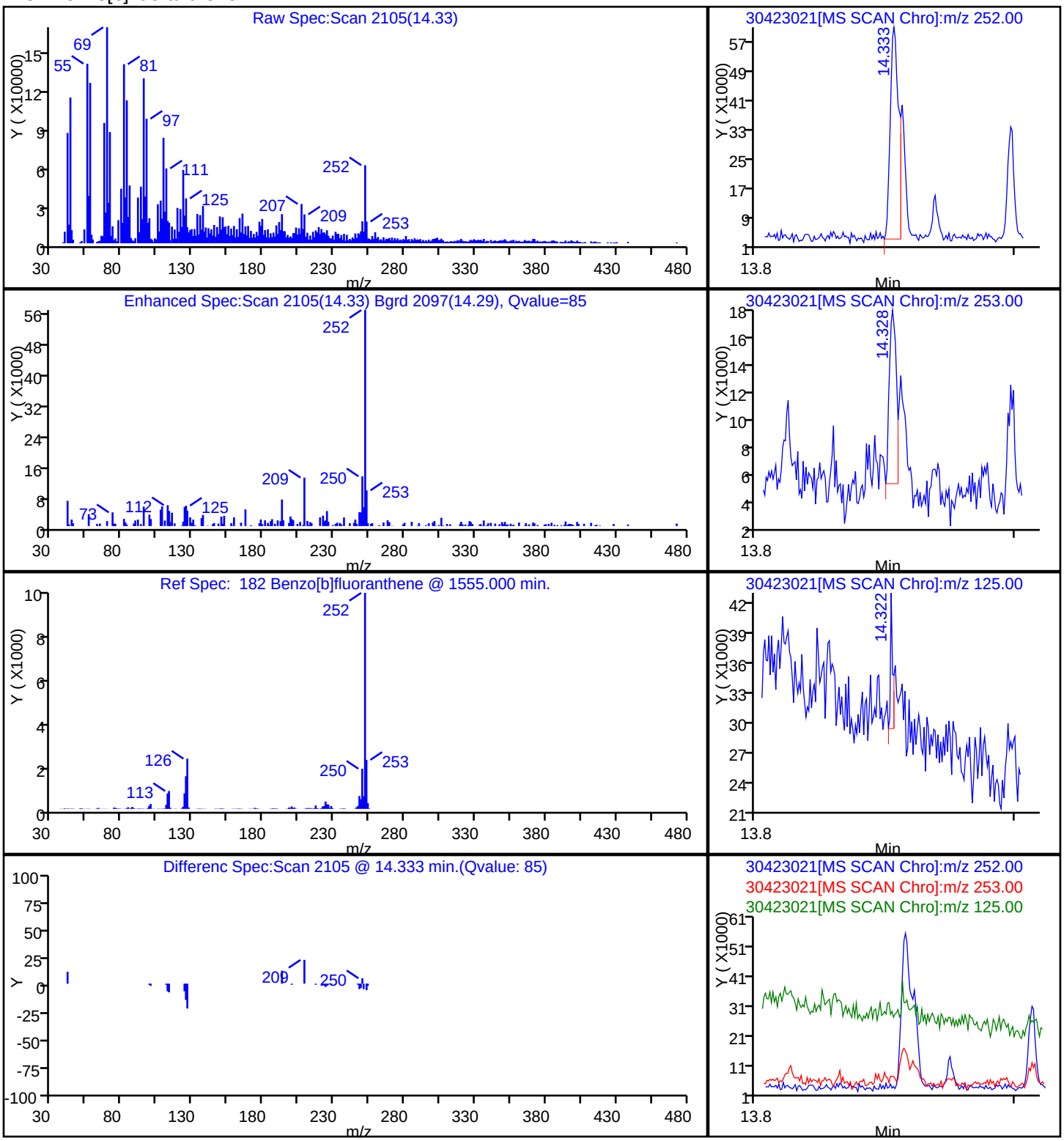
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



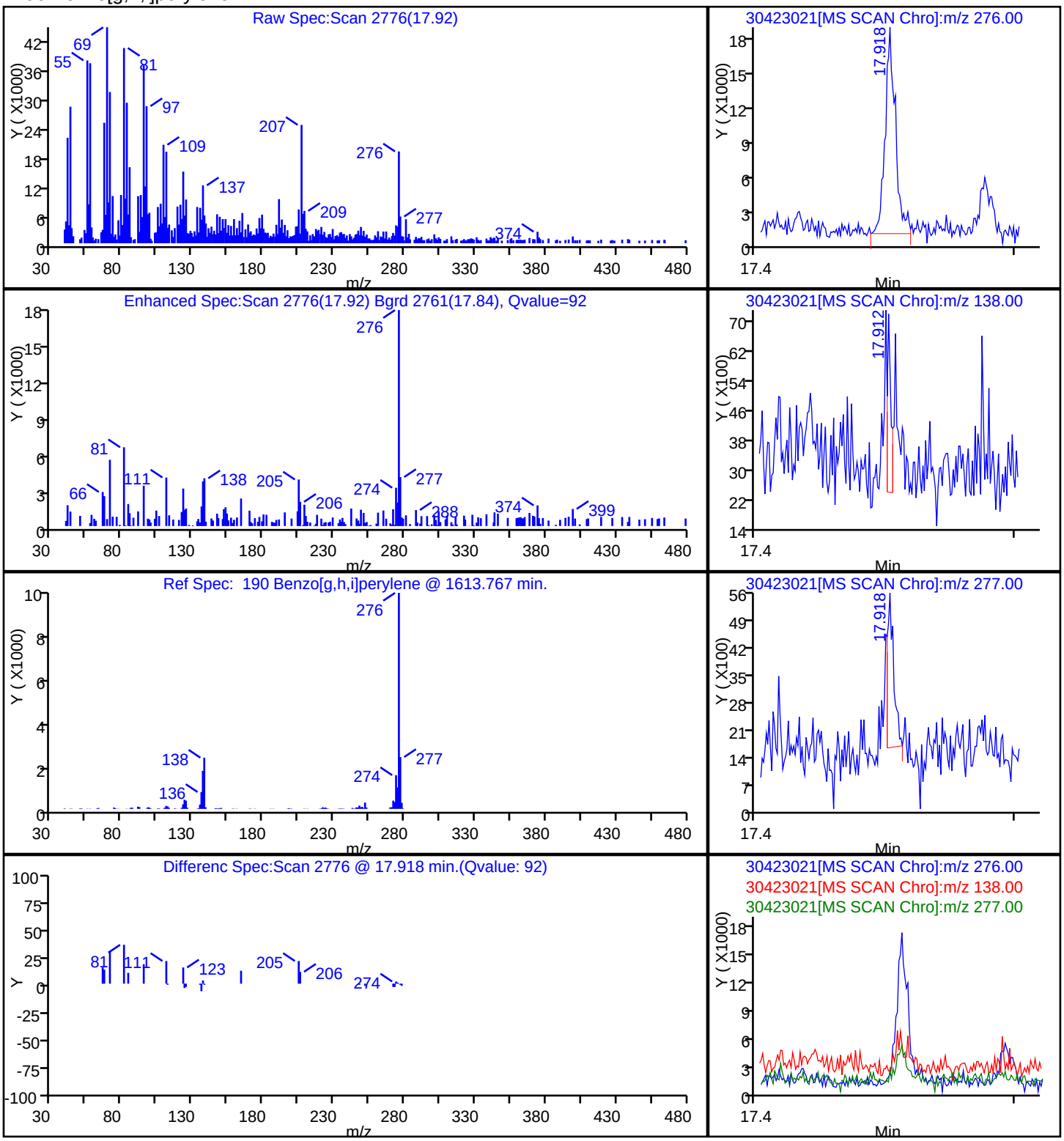
Report Date: 24-Apr-2013 08:46:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



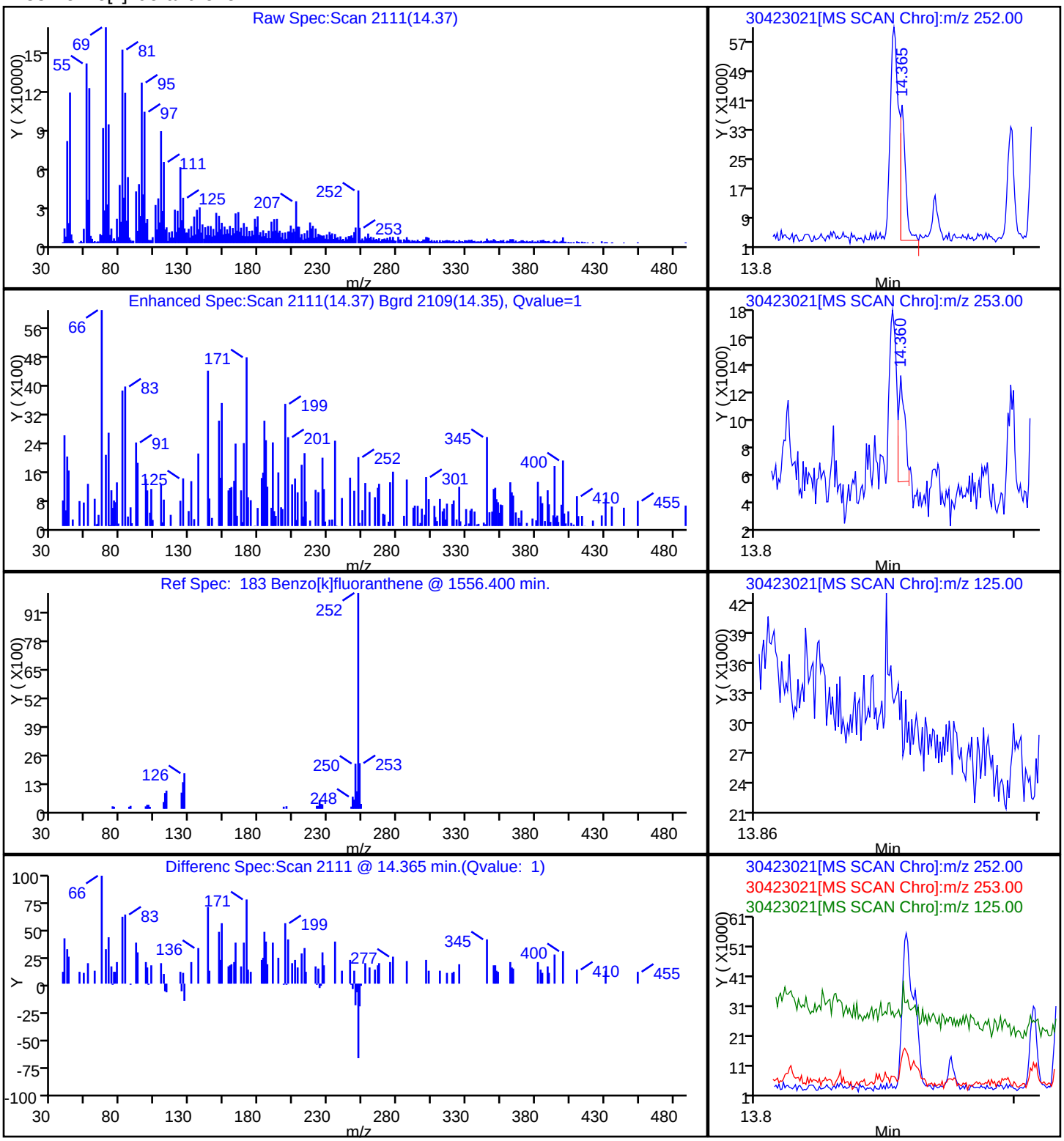
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



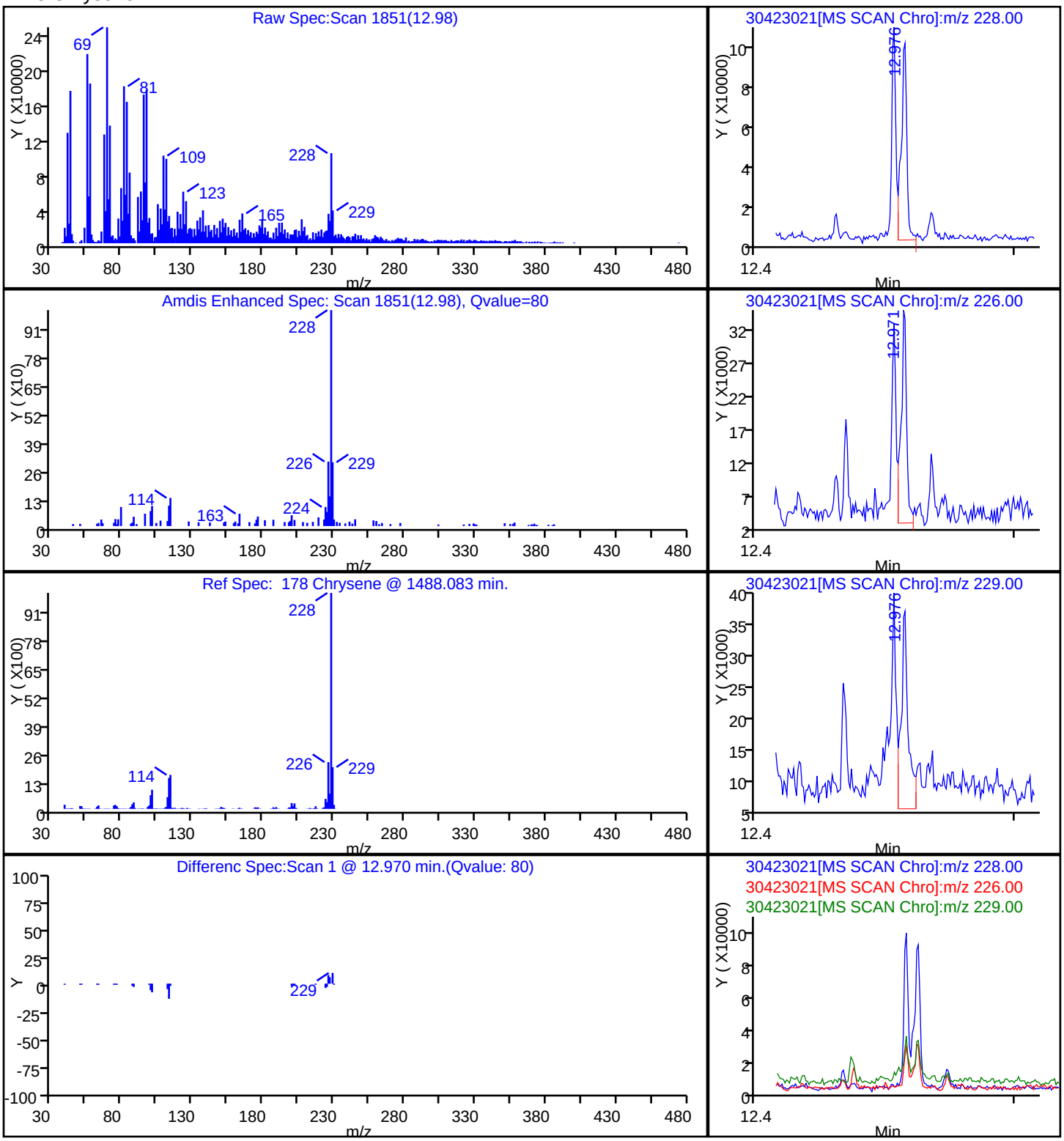
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



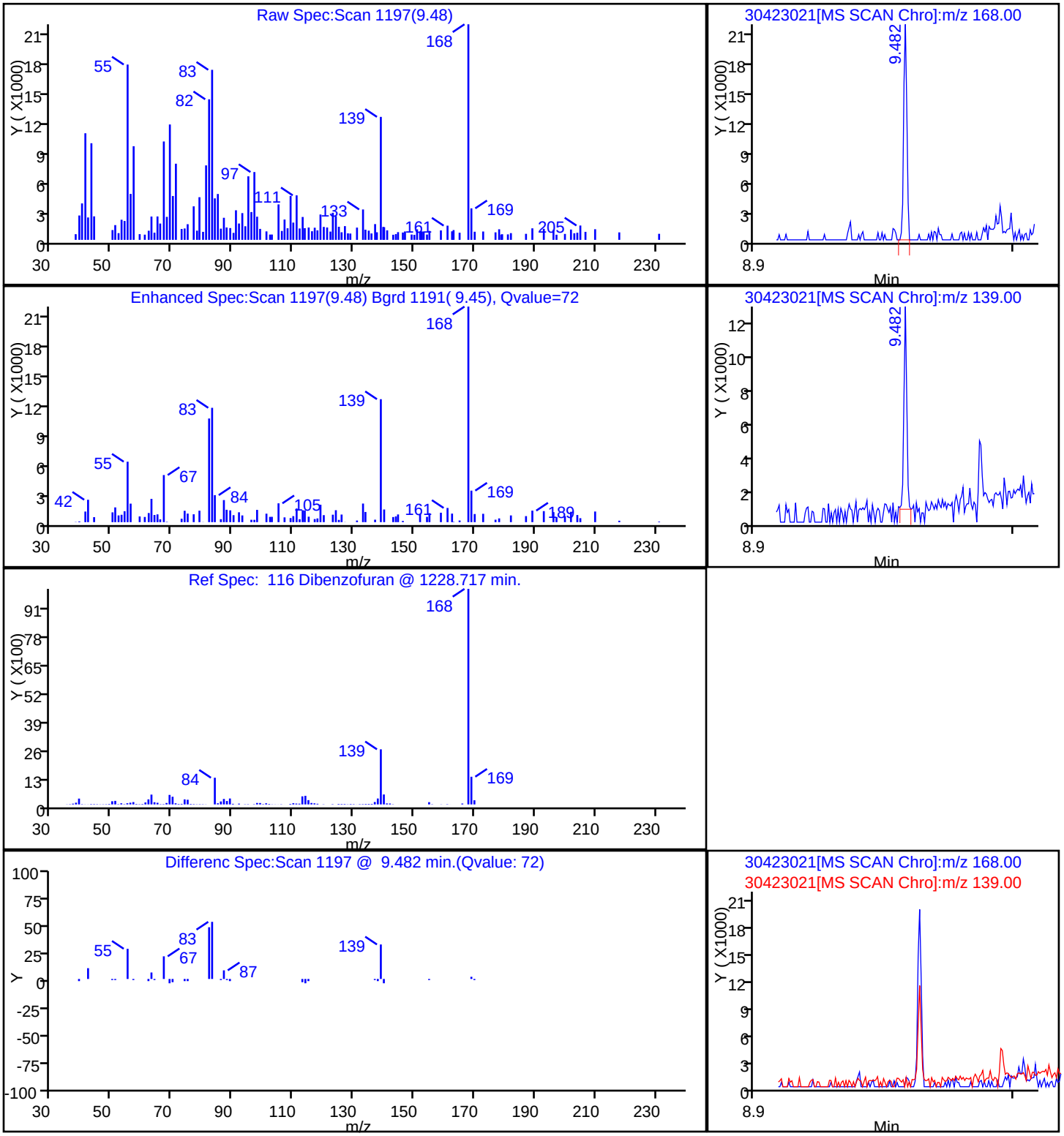
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

116 Dibenzofuran



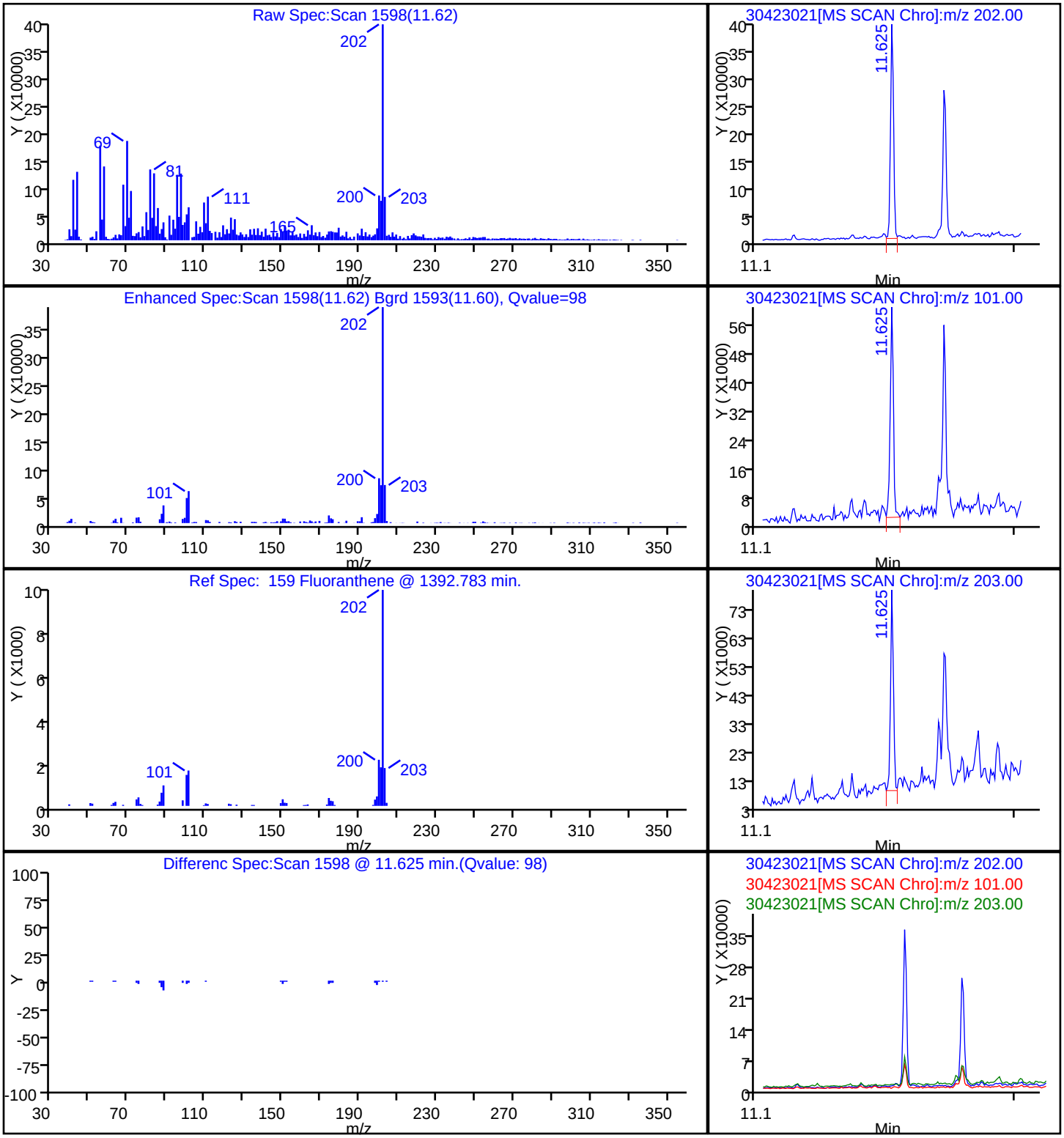
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



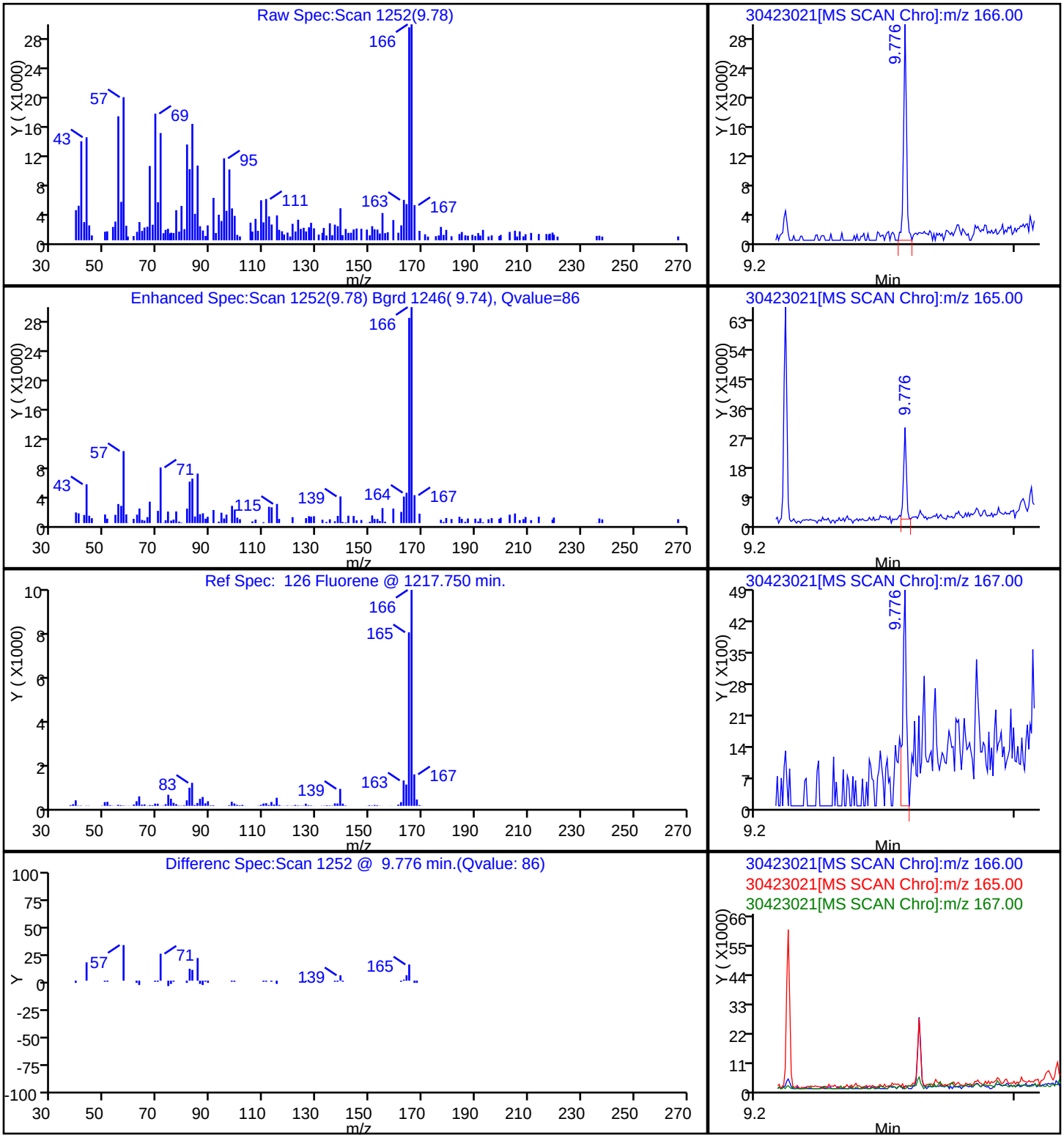
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene



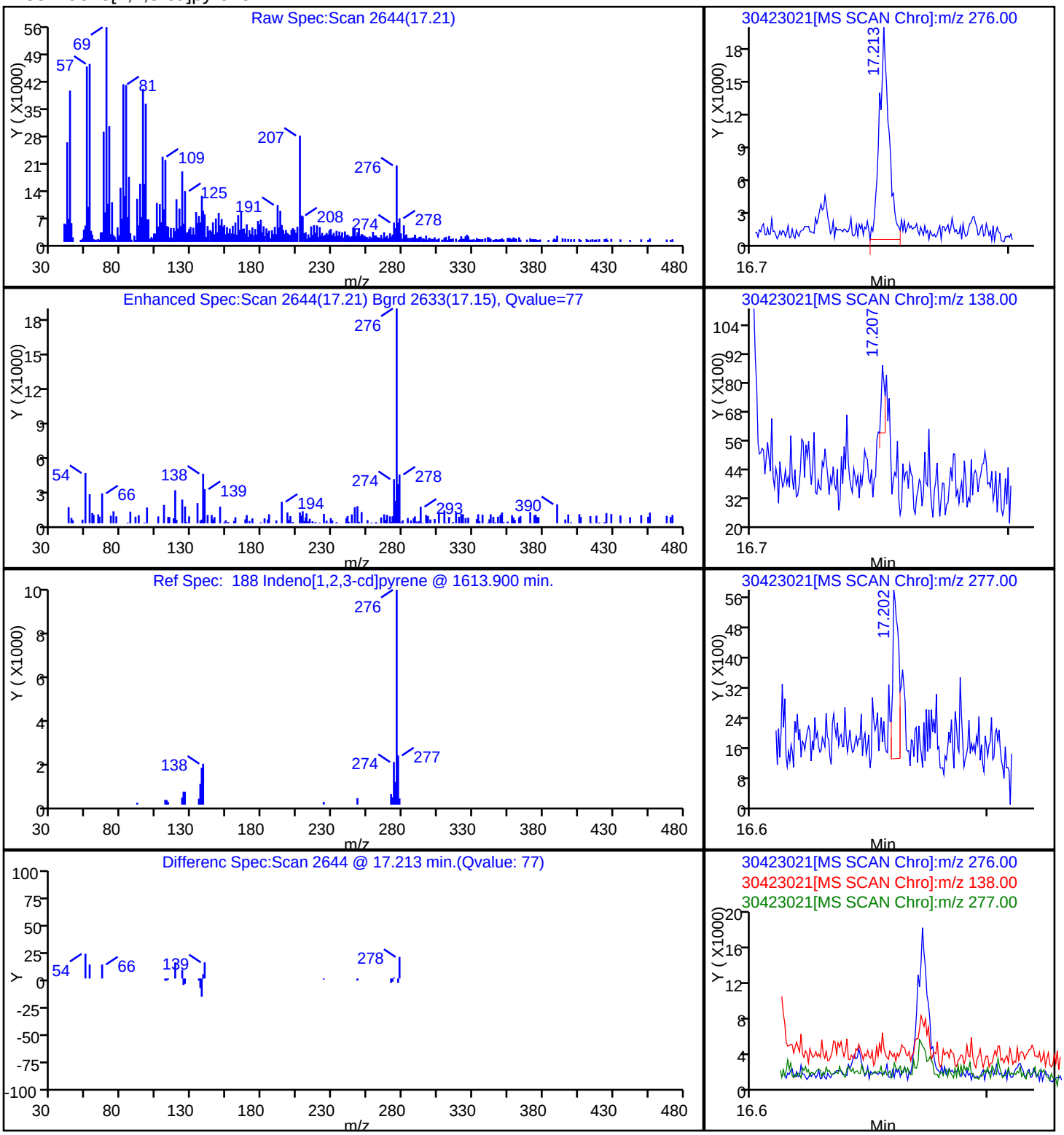
Report Date: 24-Apr-2013 08:46:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



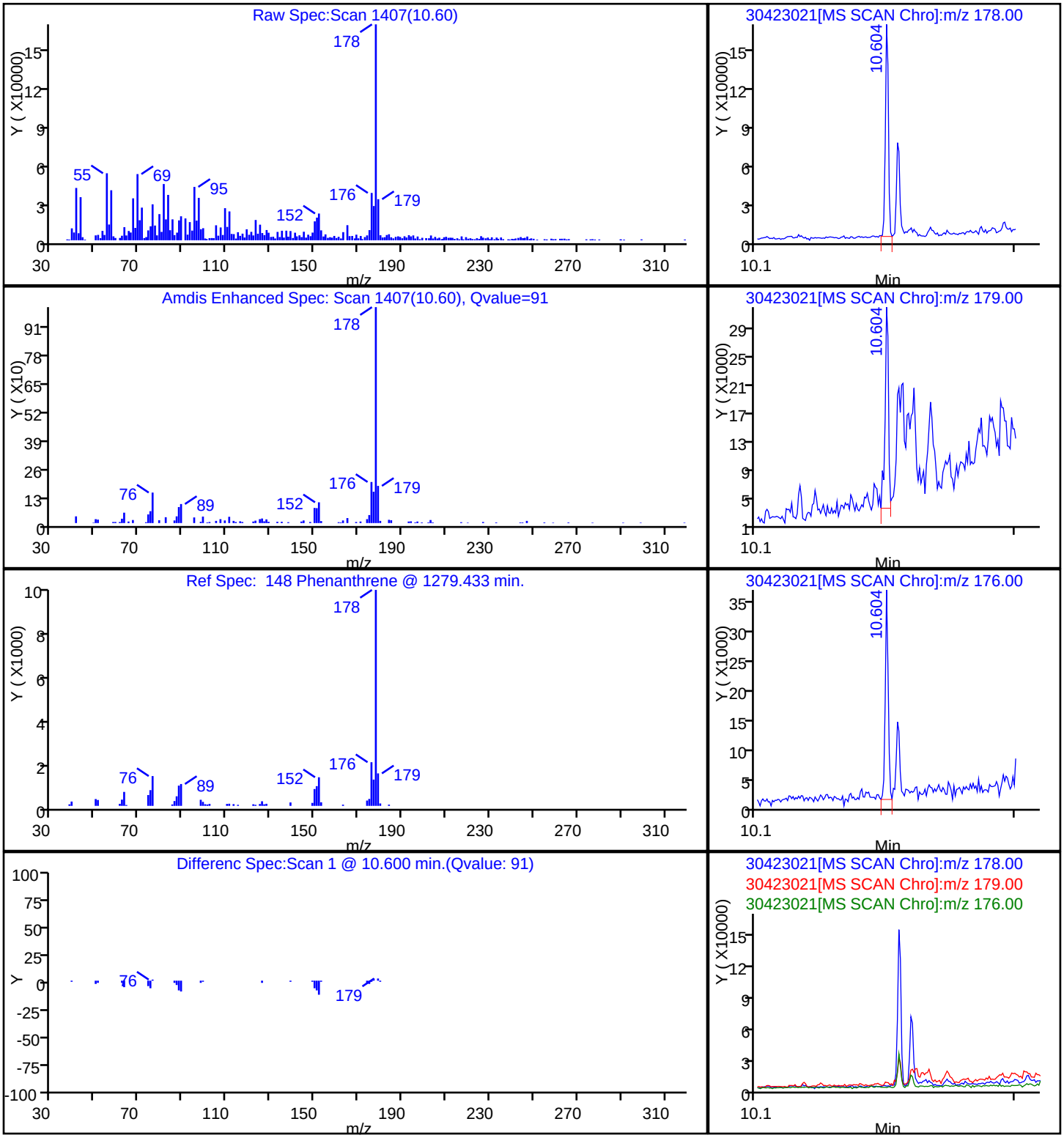
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



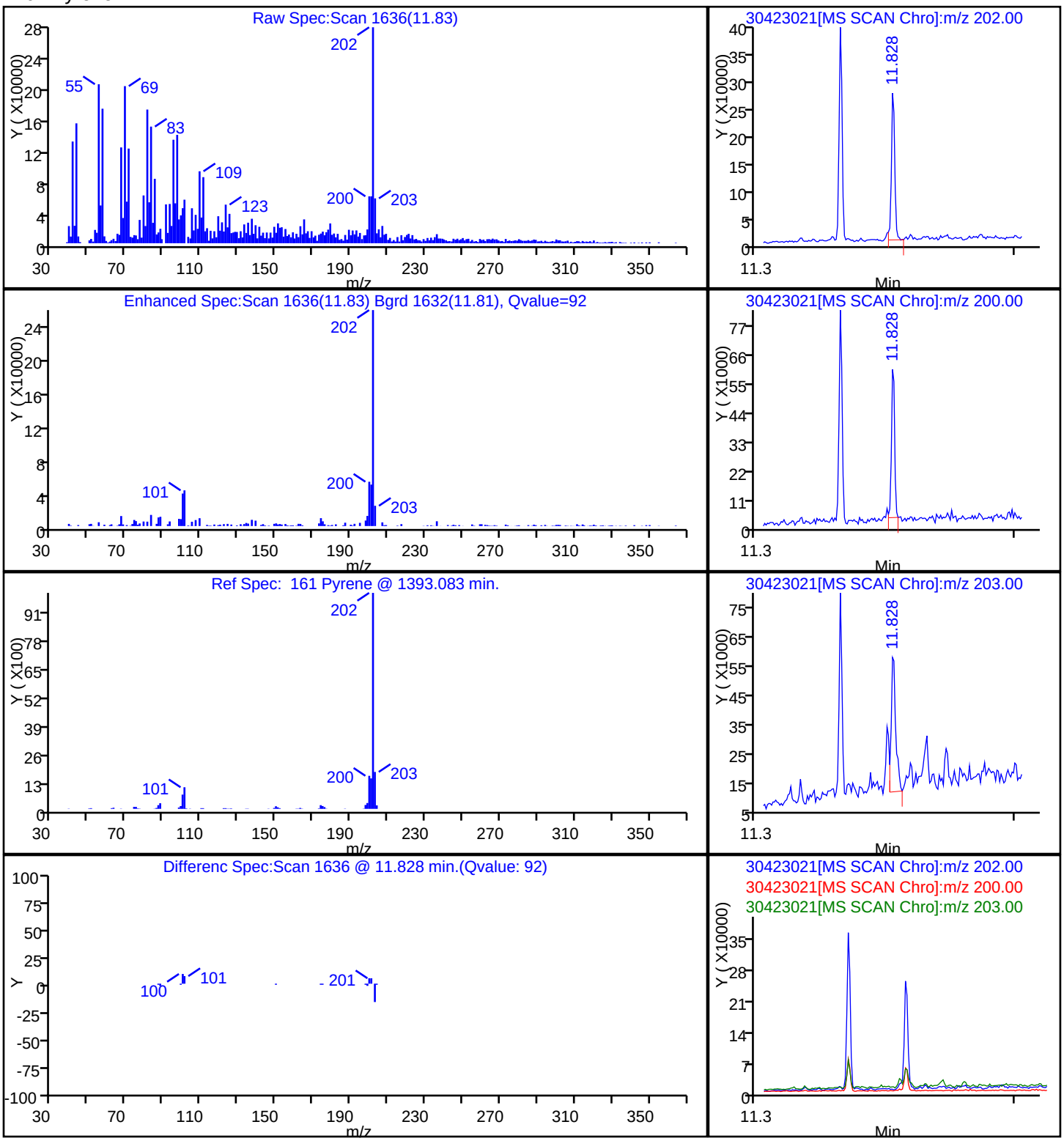
Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D

Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
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

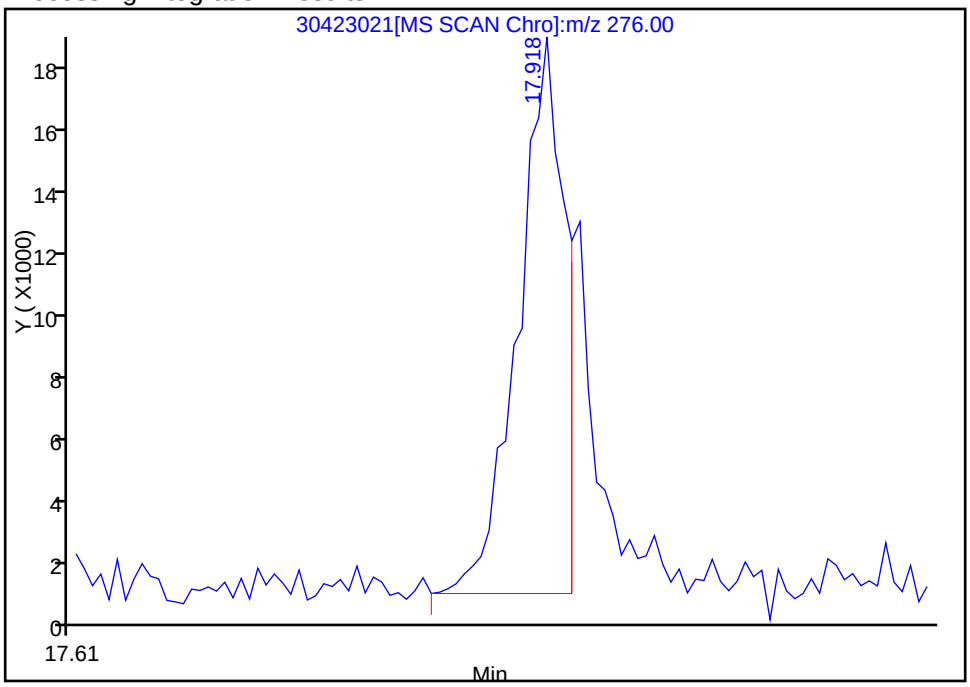
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D		
Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
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: 17.92

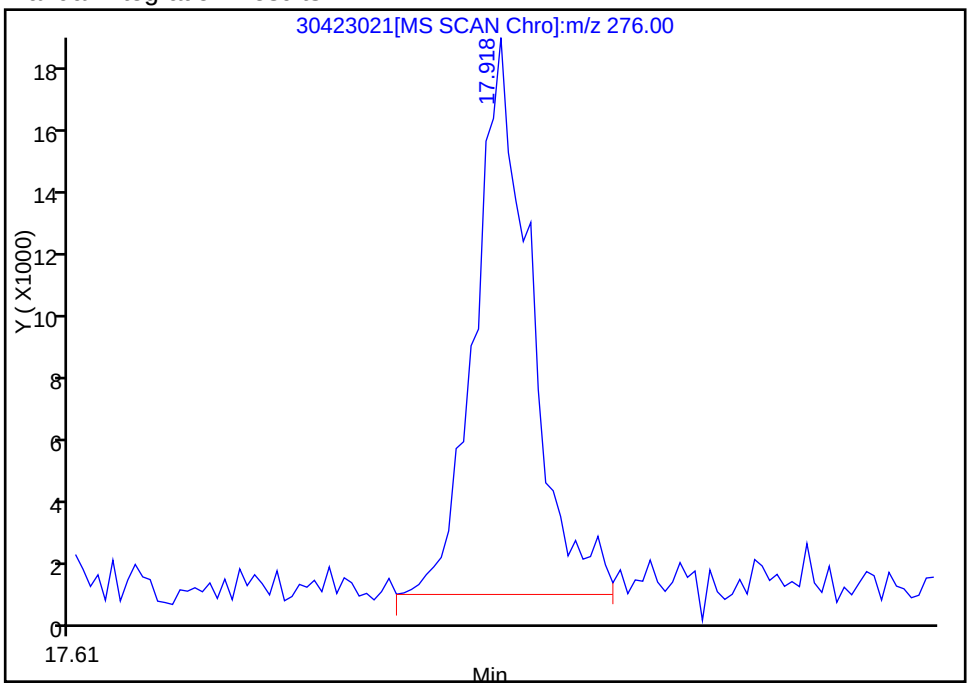
Processing Integration Results

RT: 17.92
Response: 38070
Amount: 0.221852



Manual Integration Results

RT: 17.92
Response: 49972
Amount: 0.291211



Reviewer: ulmanm, 24-Apr-2013 08:28:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

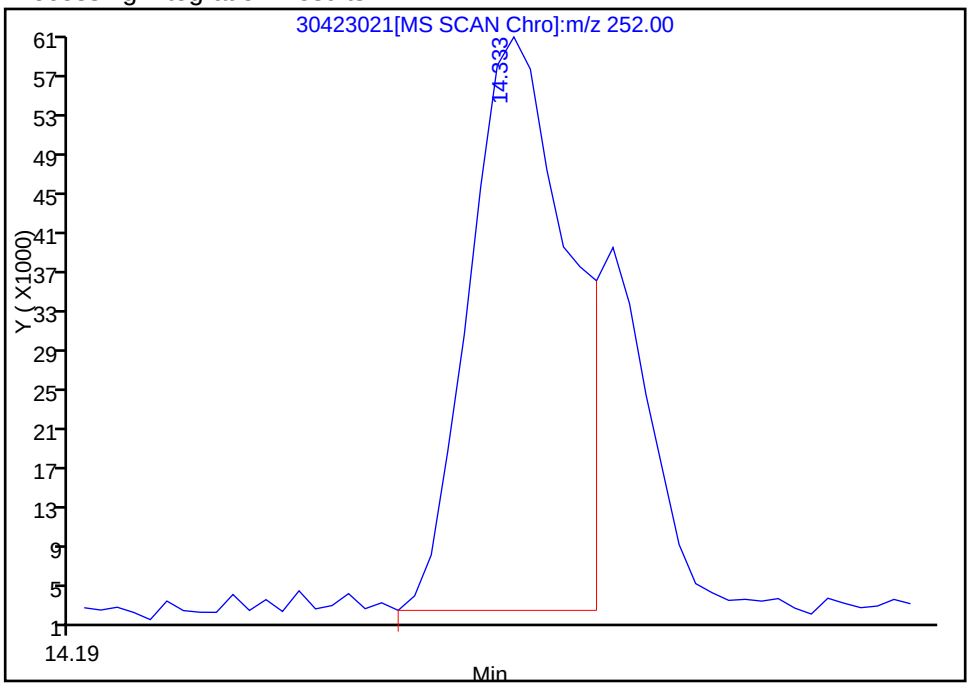
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423021.D		
Injection Date:	23-Apr-2013 18:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	21
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: 14.37

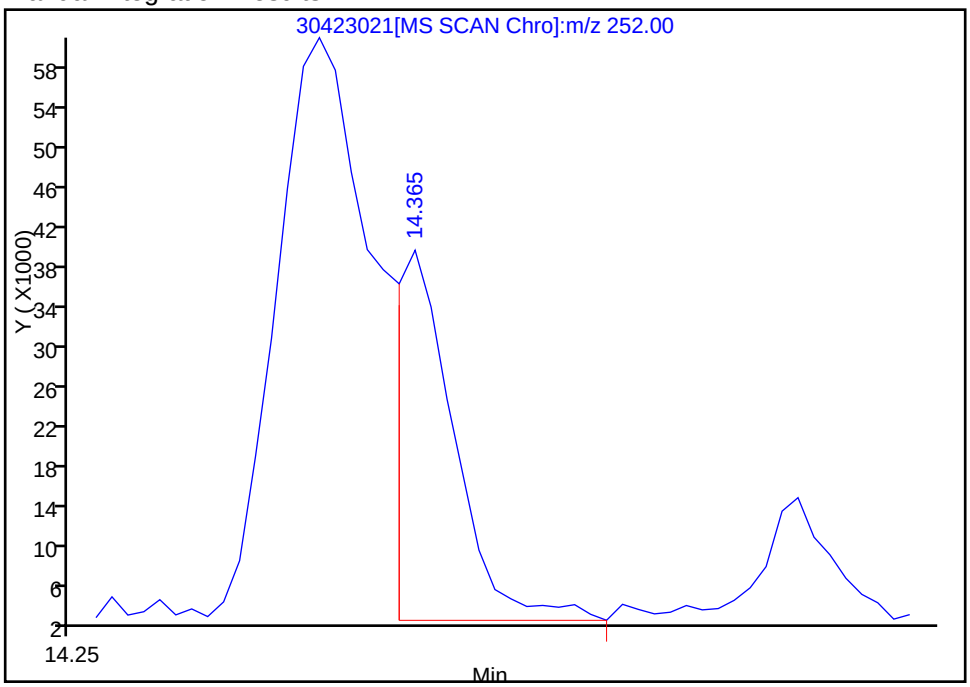
Processing Integration Results

RT: 14.33
Response: 130319
Amount: 0.549936



Manual Integration Results

RT: 14.37
Response: 49914
Amount: 0.210633



Reviewer: ulmanm, 24-Apr-2013 08:28:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0024-0001-SO | Lab Sample ID: 240-22804-7

Matrix: Solid | Lab File ID: 30423018.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:50

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.07(g) | Date Analyzed: 04/23/2013 16:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	8.7		7.9	3.9	3.9
208-96-8	Acenaphthylene	3.9	U	7.9	3.9	3.9
120-12-7	Anthracene	12		7.9	3.9	3.9
56-55-3	Benzo[a]anthracene	48		7.9	3.9	3.9
50-32-8	Benzo[a]pyrene	39		7.9	3.9	3.9
205-99-2	Benzo[b]fluoranthene	60		7.9	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	34		7.9	3.9	3.9
65-85-0	Benzoic acid	390	U	780	390	390
207-08-9	Benzo[k]fluoranthene	22	M	7.9	3.9	3.9
100-51-6	Benzyl alcohol	32	U	390	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U	120	32	26
111-44-4	Bis(2-chloroethyl)ether	3.9	U	120	3.9	2.4
108-60-1	bis (2-chloroisopropyl) ether	32	U	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	66	J	83	32	22
101-55-3	4-Bromophenyl phenyl ether	32	U	59	32	15
85-68-7	Butyl benzyl phthalate	32	U	83	32	12
86-74-8	Carbazole	32	U	59	32	32
106-47-8	4-Chloroaniline	32	U	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U	180	32	25
91-58-7	2-Chloronaphthalene	3.9	U	59	3.9	3.9
95-57-8	2-Chlorophenol	32	U	59	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U	59	32	15
218-01-9	Chrysene	49		7.9	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U	7.9	3.9	3.9
132-64-9	Dibenzofuran	3.9	U	59	3.9	3.9
95-50-1	1,2-Dichlorobenzene	32	U	59	32	11
541-73-1	1,3-Dichlorobenzene	32	U	59	32	13
106-46-7	1,4-Dichlorobenzene	32	U	59	32	24
91-94-1	3,3'-Dichlorobenzidine	94	U	120	94	21
120-83-2	2,4-Dichlorophenol	32	U	180	32	24
84-66-2	Diethyl phthalate	32	U	83	32	19
105-67-9	2,4-Dimethylphenol	94	U	180	94	24
131-11-3	Dimethyl phthalate	32	U	83	32	20
84-74-2	Di-n-butyl phthalate	34	J	83	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0024-0001-SO | Lab Sample ID: 240-22804-7

Matrix: Solid | Lab File ID: 30423018.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:50

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.07(g) | Date Analyzed: 04/23/2013 16:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	94	U	180	94	94
51-28-5	2,4-Dinitrophenol	94	U	390	94	94
121-14-2	2,4-Dinitrotoluene	32	U	240	32	32
606-20-2	2,6-Dinitrotoluene	32	U	240	32	25
117-84-0	Di-n-octyl phthalate	32	U	83	32	32
206-44-0	Fluoranthene	100		7.9	3.9	3.9
86-73-7	Fluorene	13		7.9	3.9	3.9
118-74-1	Hexachlorobenzene	3.9	U	7.9	3.9	2.5
87-68-3	Hexachlorobutadiene	32	U	59	32	32
77-47-4	Hexachlorocyclopentadiene	32	U	390	32	32
67-72-1	Hexachloroethane	32	U	59	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	26	M	7.9	3.9	3.9
78-59-1	Isophorone	32	U	59	32	15
91-57-6	2-Methylnaphthalene	5.5	J	7.9	3.9	3.9
95-48-7	2-Methylphenol	94	U	240	94	94
15831-10-4	3 & 4 Methylphenol	94	U	470	94	24
91-20-3	Naphthalene	6.3	J	7.9	3.9	3.9
88-74-4	2-Nitroaniline	32	U	240	32	11
99-09-2	3-Nitroaniline	94	U	240	94	19
100-01-6	4-Nitroaniline	32	U	240	32	31
98-95-3	Nitrobenzene	3.9	U	120	3.9	2.6
88-75-5	2-Nitrophenol	32	U	59	32	32
100-02-7	4-Nitrophenol	94	U	390	94	94
621-64-7	N-Nitrosodi-n-propylamine	32	U	59	32	32
86-30-6	N-Nitrosodiphenylamine	32	U	59	32	25
87-86-5	Pentachlorophenol	94	U	180	94	94
85-01-8	Phenanthrene	61		7.9	3.9	3.9
108-95-2	Phenol	32	U	59	32	32
129-00-0	Pyrene	86		7.9	3.9	3.9
120-82-1	1,2,4-Trichlorobenzene	32	U	59	32	32
95-95-4	2,4,5-Trichlorophenol	32	U	180	32	29
88-06-2	2,4,6-Trichlorophenol	94	U	180	94	94

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0024-0001-SO | Lab Sample ID: 240-22804-7

Matrix: Solid | Lab File ID: 30423018.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 16:50

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.07(g) | Date Analyzed: 04/23/2013 16:44

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	61		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	63		35-125

Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D
Lims ID: 240-22804-B-7-A Client ID: 074SB-0024-0001-SO
Inject. Date: 23-Apr-2013 16:44:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-018
Misc. Info.: 240-22804-B-7-A =240-22804-B-7-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 83126 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:19:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.699	6.694	0.005	96	146178	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	98	640957	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	86	380275	4.00	
* 4 Phenanthrene-d10	188	10.582	10.588	-0.006	96	671175	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	80	778257	4.00	
* 6 Perylene-d12	264	14.963	14.969	-0.006	97	696657	4.00	
$ 7 2-Fluorophenol	112	5.502	5.486	0.016	93	637532	10.7	
$ 8 Phenol-d5	99	6.330	6.320	0.010	94	901008	11.3	
$ 9 Nitrobenzene-d5	82	7.169	7.169	0.0	86	578510	6.12	
$ 10 2-Fluorobiphenyl (Surr)	172	8.702	8.702	0.0	99	754609	6.67	
$ 11 2,4,6-Tribromophenol	330	9.979	9.984	-0.005	79	116835	9.51	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	99	916345	6.57	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					9
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
21 3 & 4 Methylphenol	108		6.993					9
57 N-Nitrosodi-n-propylamine	70		7.009					
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					
64 Isophorone	82		7.377					9
65 2,4-Dimethylphenol	107		7.458					9
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122	7.473	7.506	-0.033	81	7726	1.66	
70 Bis(2-chloroethoxy)methane	93		7.532					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					9
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128	7.826	7.826	0.0	22	12484	0.0805	
76 4-Chloroaniline	127		7.837					9
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					9
87 2-Methylnaphthalene	142	8.408	8.414	-0.006	60	6841	0.0700	
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					9
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					9
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153	9.338	9.343	-0.005	36	10235	0.1110	
114 2,4-Dinitrotoluene	165		9.429					
116 Dibenzofuran	168		9.482					
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					9
125 4-Nitroaniline	138		9.755					
126 Fluorene	166	9.776	9.776	0.0	83	16741	0.1605	
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
139 4-Bromophenyl phenyl ether	248		10.166					9
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178	10.604	10.604	0.0	94	129163	0.7799	
149 Anthracene	178	10.647	10.652	-0.005	64	25484	0.1556	
151 Carbazole	167	10.759	10.759	0.0	57	23101	0.3594	
154 Di-n-butyl phthalate	149	10.978	10.978	0.0	62	22078	0.4270	
159 Fluoranthene	202	11.624	11.624	0.0	95	257672	1.31	
161 Pyrene	202	11.827	11.833	-0.006	92	187158	1.09	
168 Butyl benzyl phthalate	149		12.271					
173 Bis(2-ethylhexyl) phthalate	149	12.783	12.784	-0.001	93	88136	0.8406	
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228	12.928	12.933	-0.005	95	112720	0.6127	
178 Chrysene	228	12.970	12.976	-0.006	75	110505	0.6241	
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252	14.327	14.328	-0.001	85	137984	0.7664	
183 Benzo[k]fluoranthene	252	14.359	14.370	-0.011	1	56886	0.2786	M
184 Benzo[a]pyrene	252	14.867	14.878	-0.011	65	87061	0.4933	
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276	17.217	17.223	-0.006	85	59520	0.3324	M
190 Benzo[g,h,i]perylene	276	17.912	17.917	-0.005	79	63118	0.4269	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

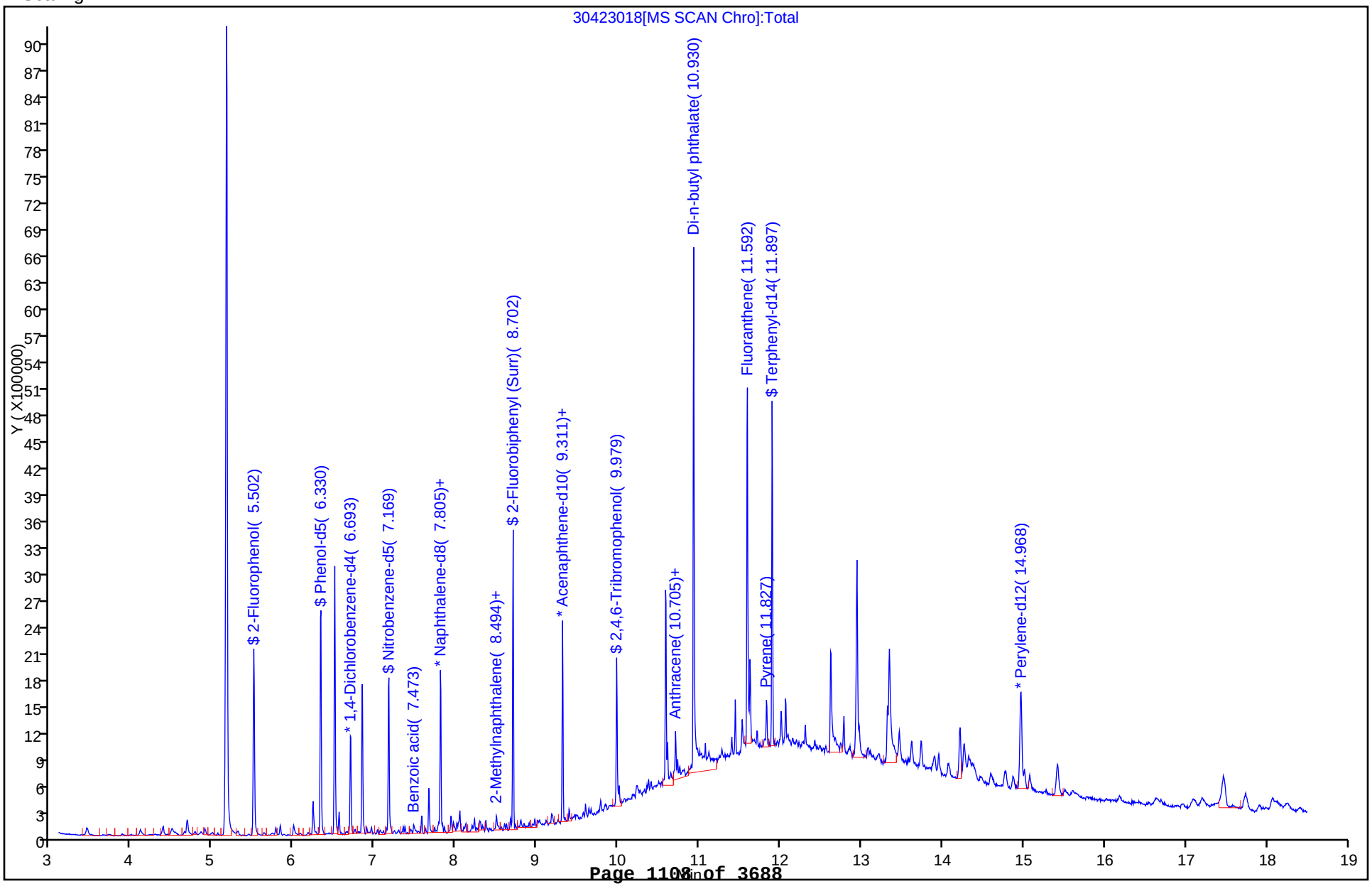
Review Flags
M - Manually Integrated

Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D		
Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



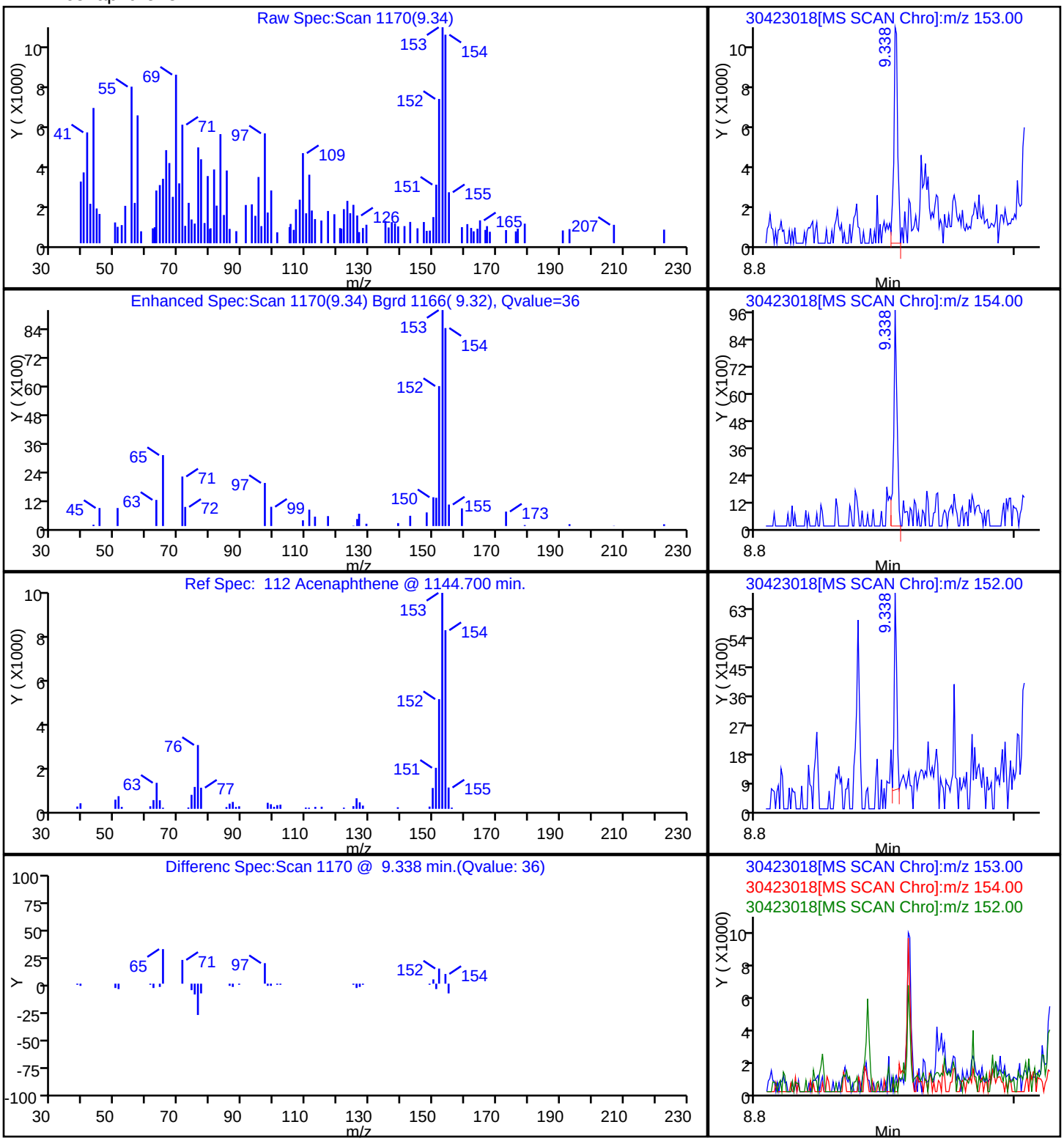
Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

112 Acenaphthene



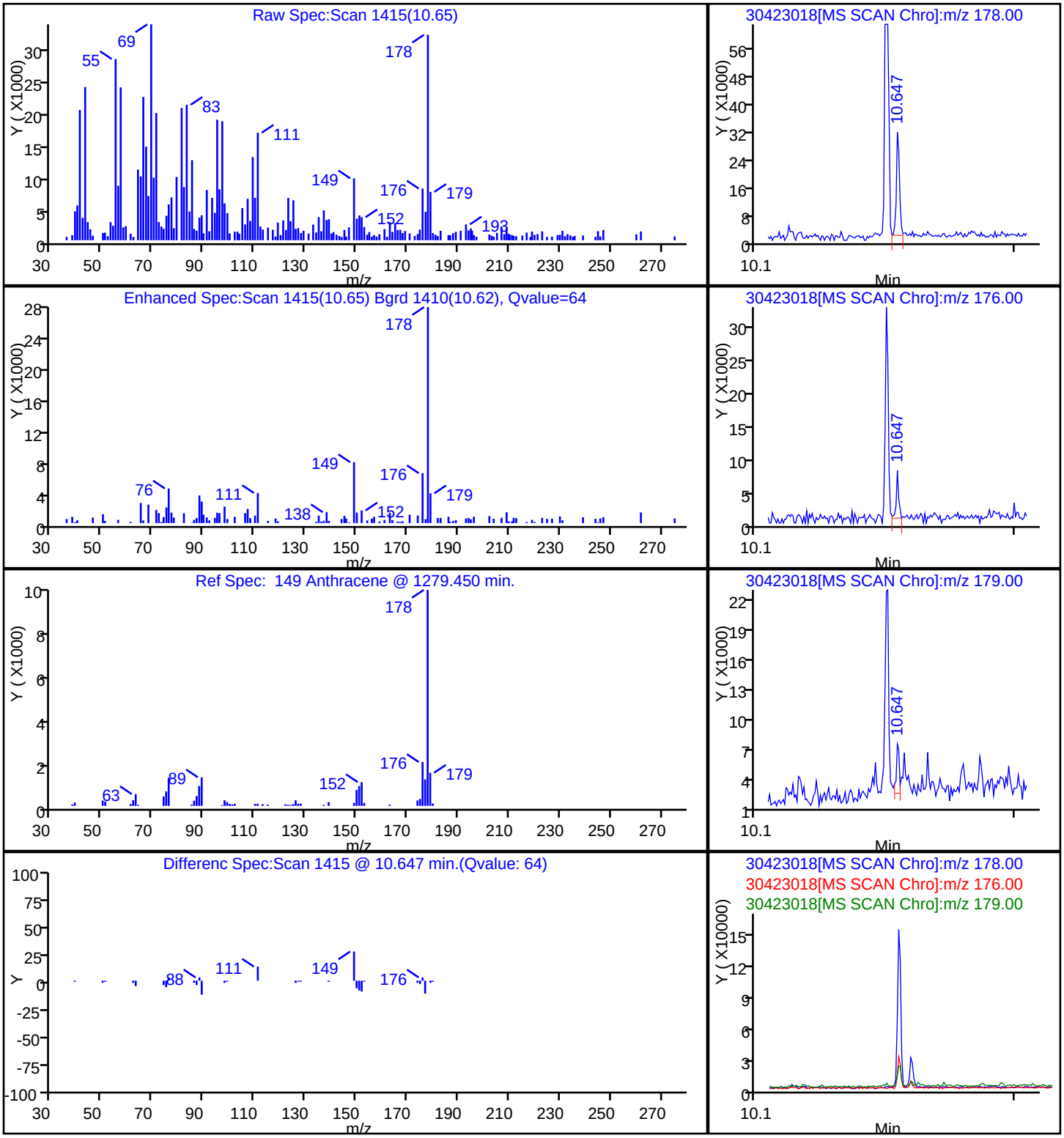
Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



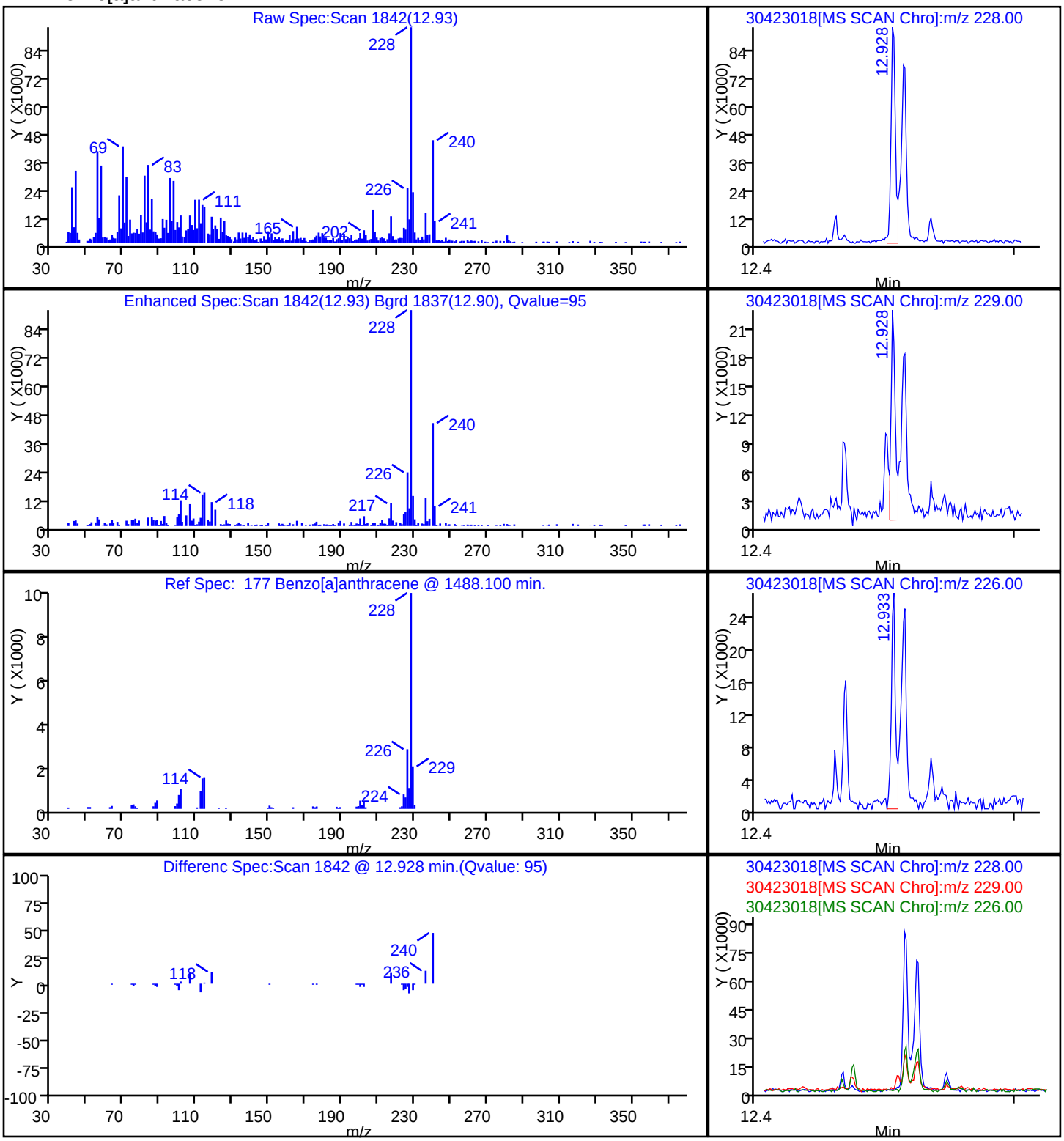
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



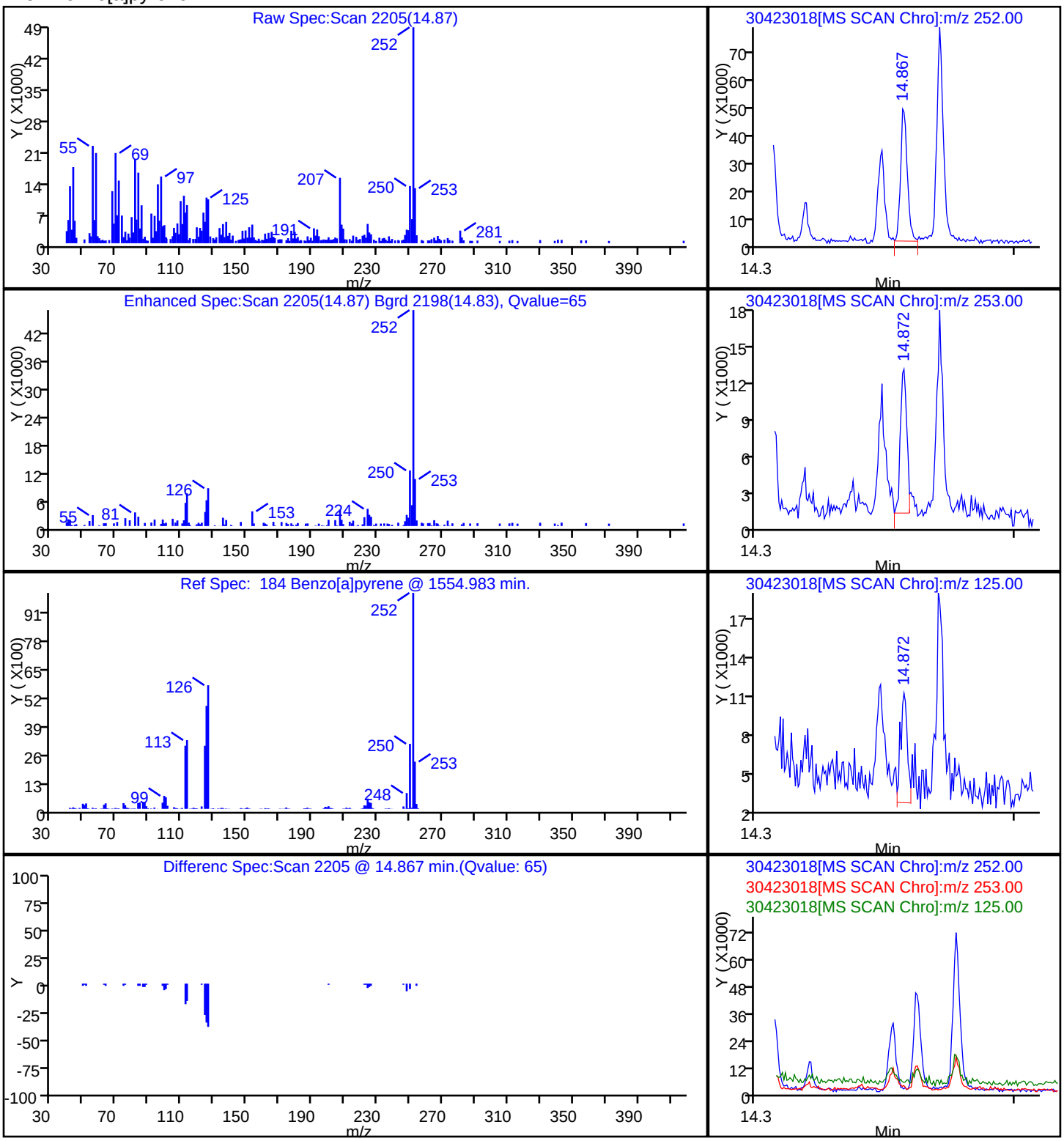
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



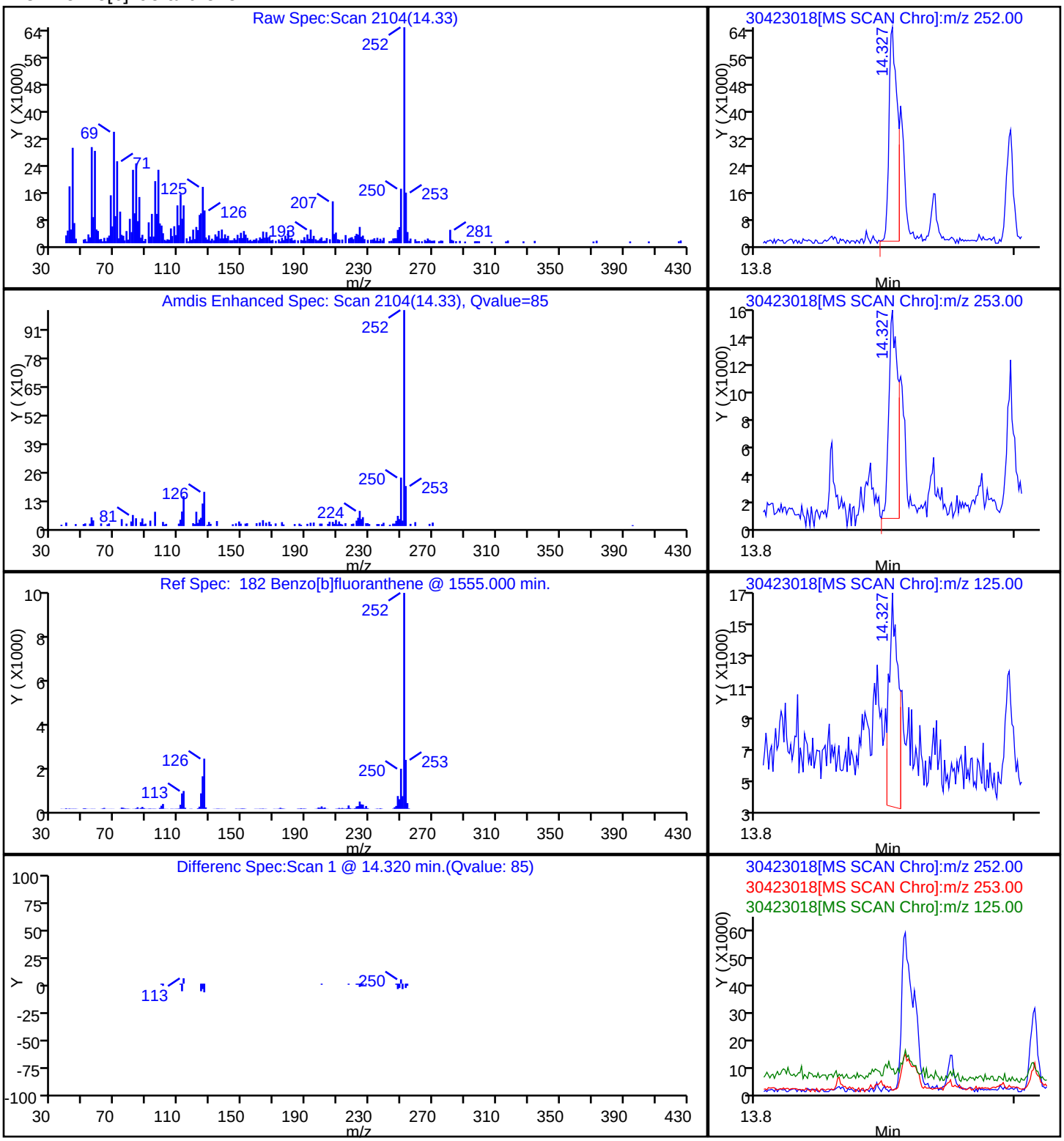
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



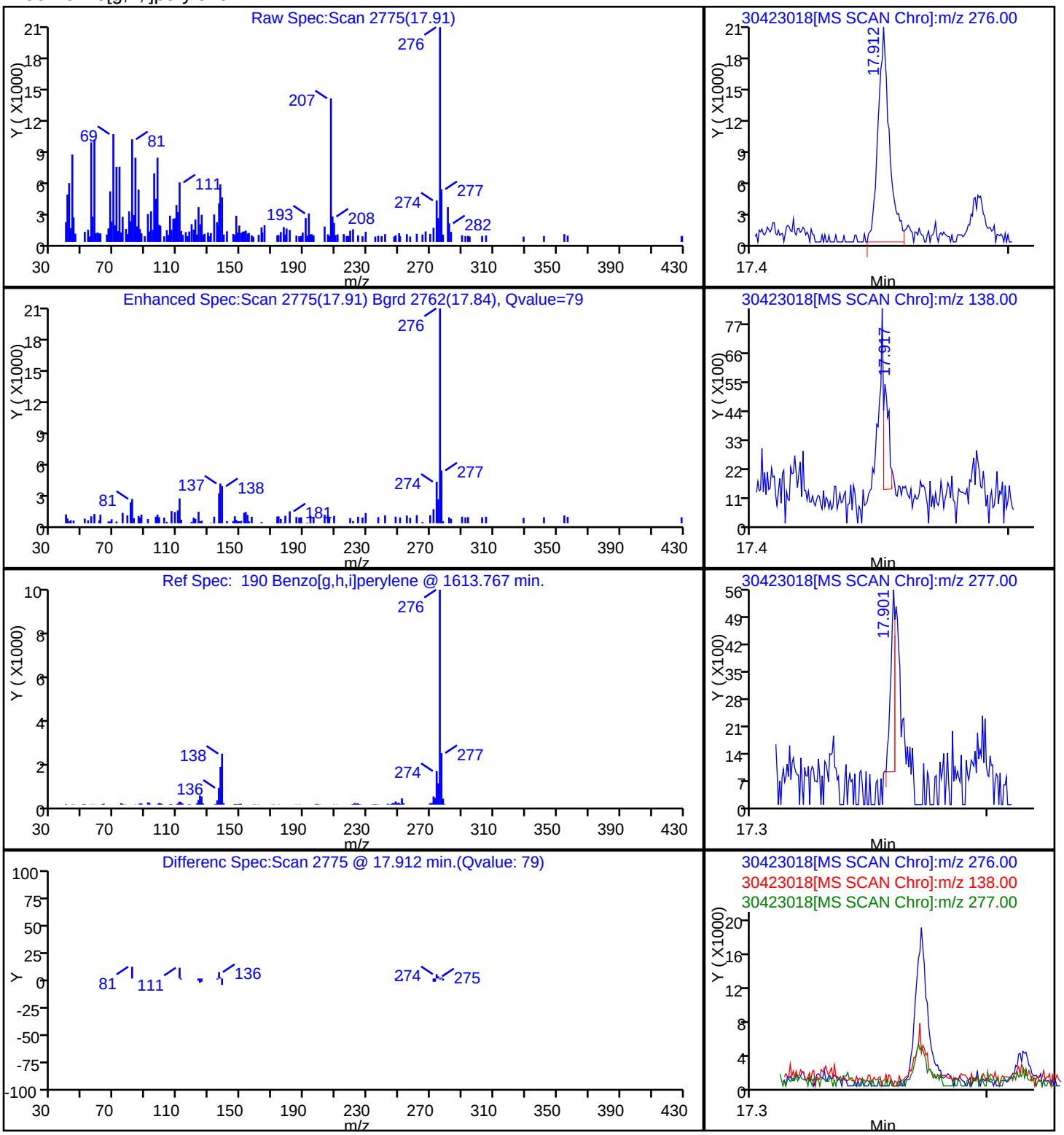
Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



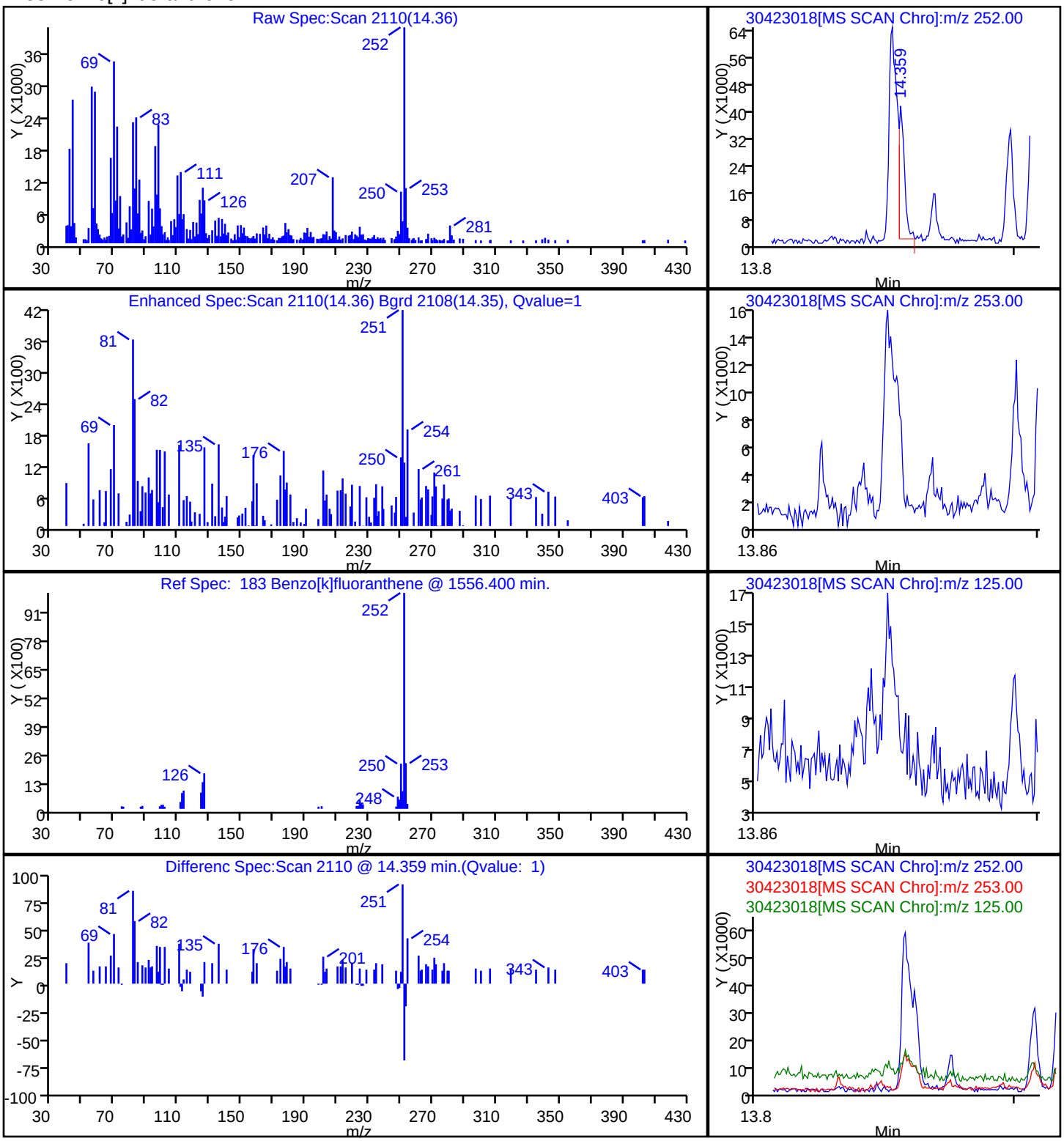
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



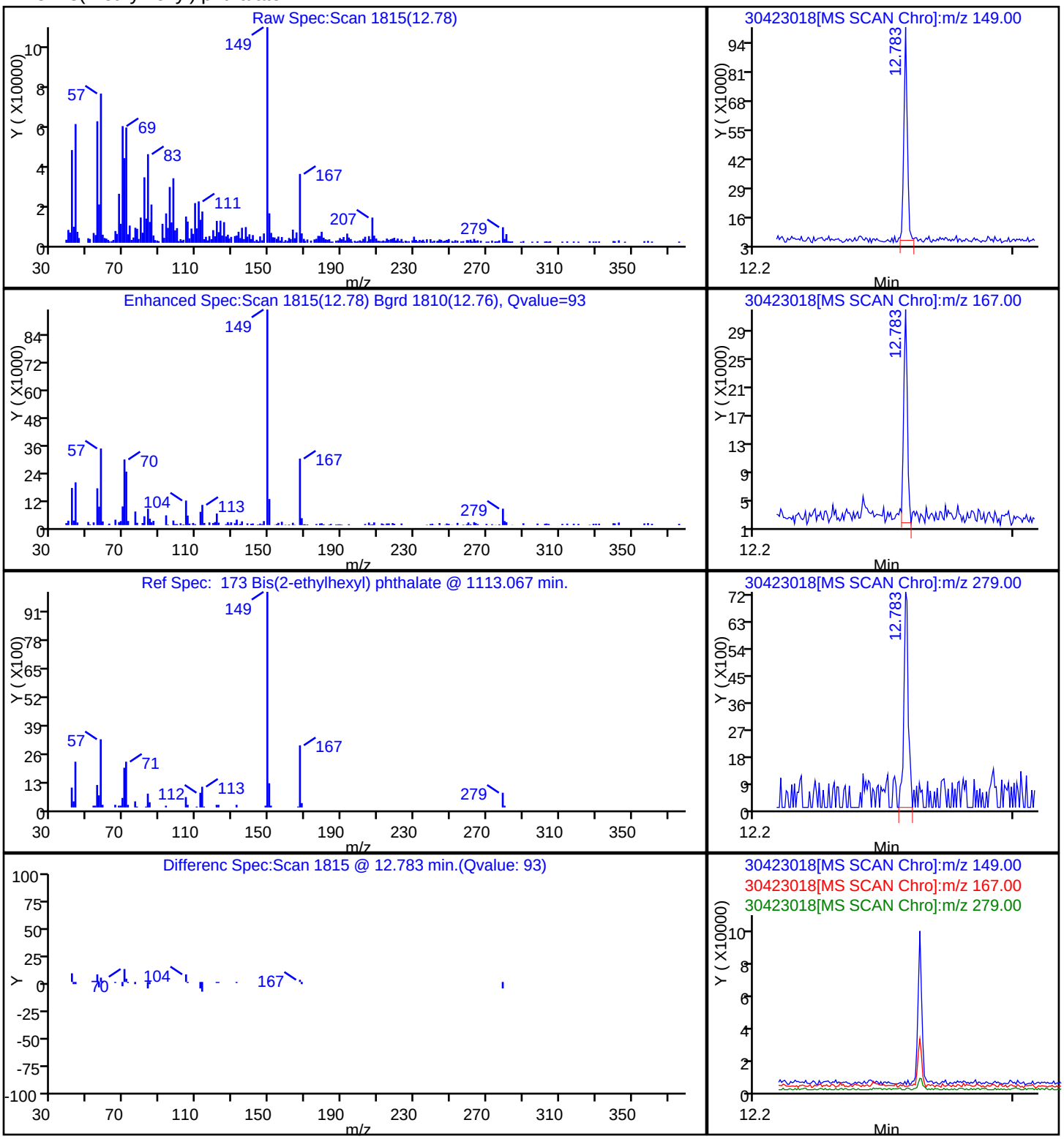
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



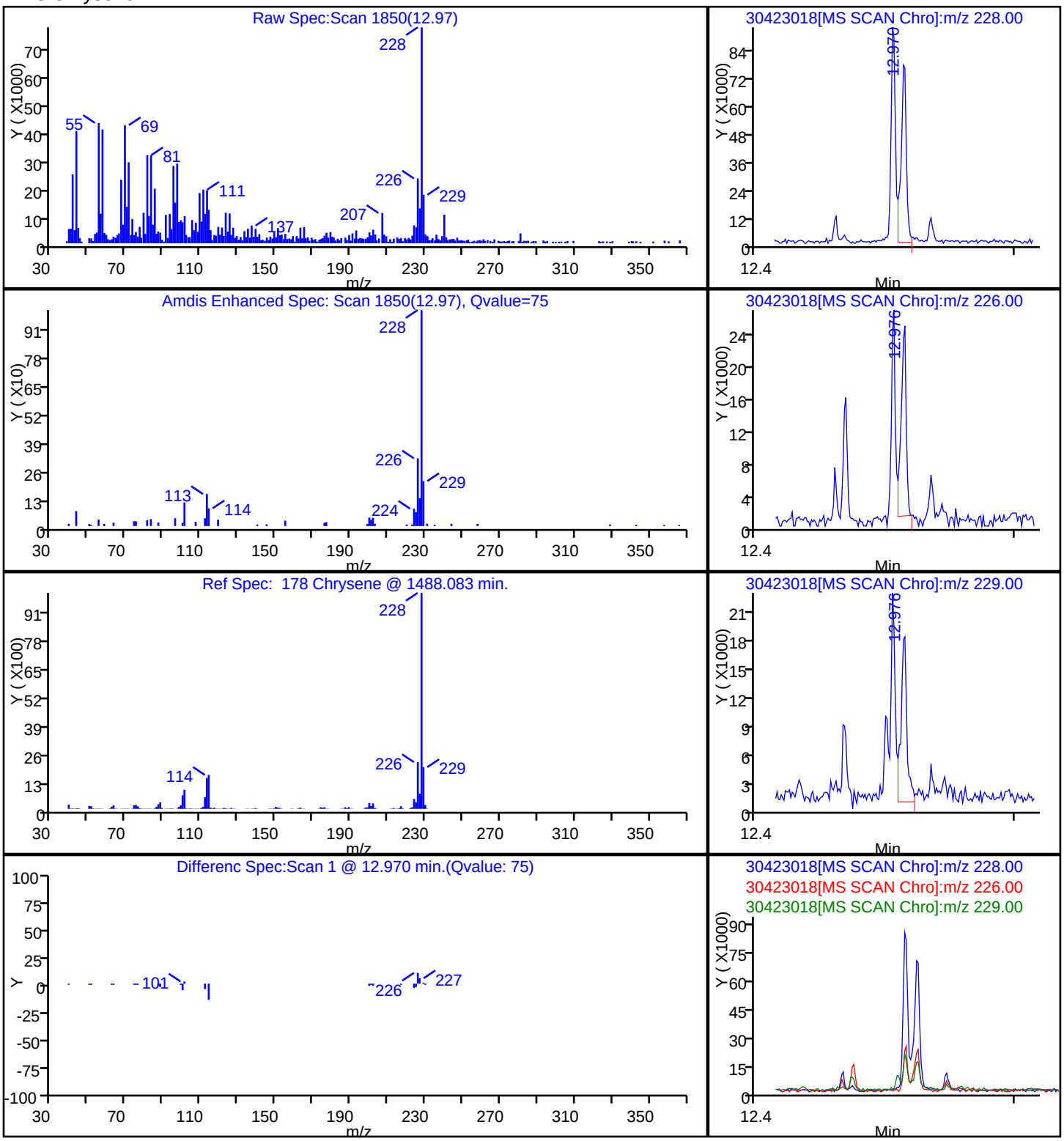
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



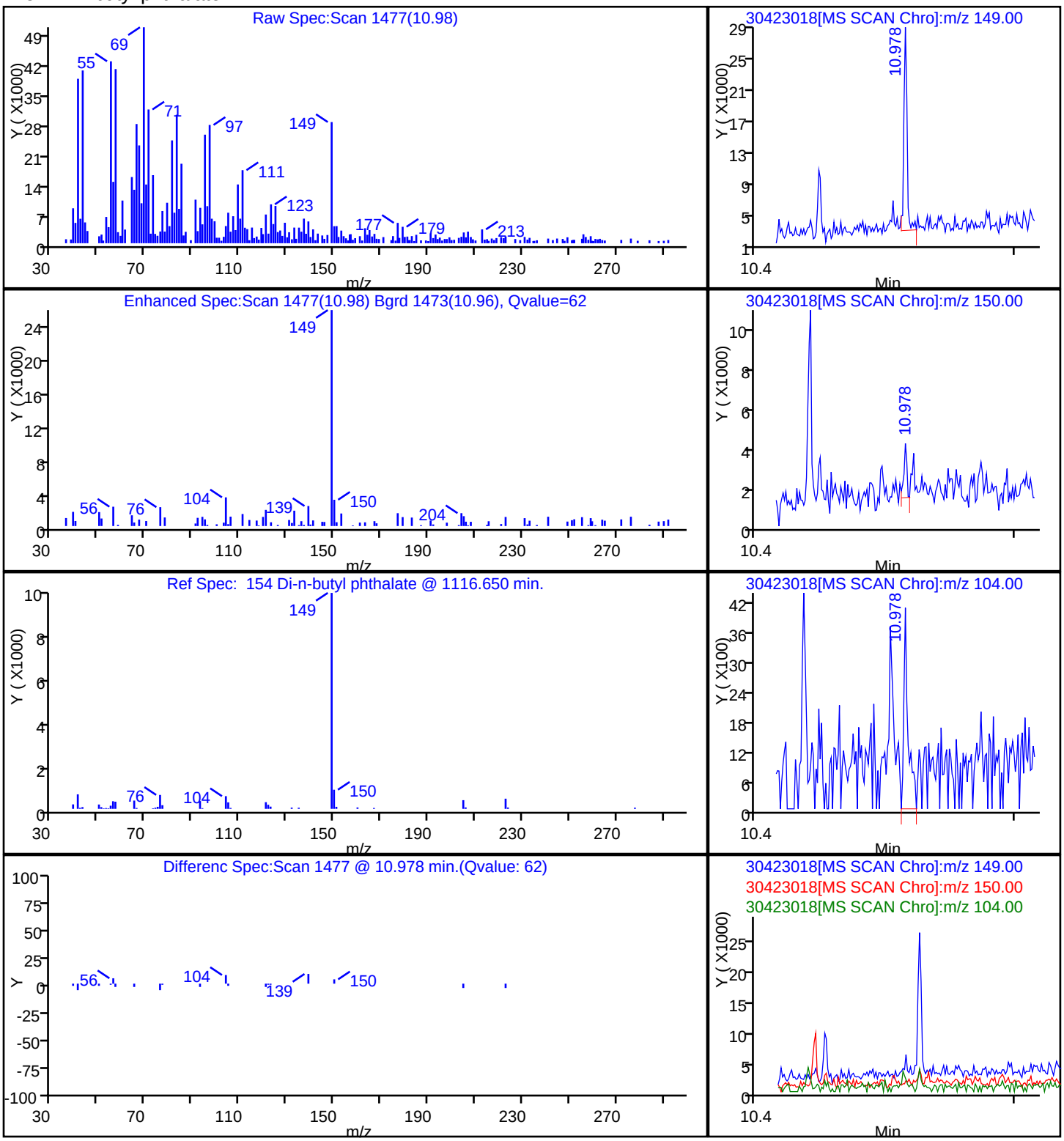
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



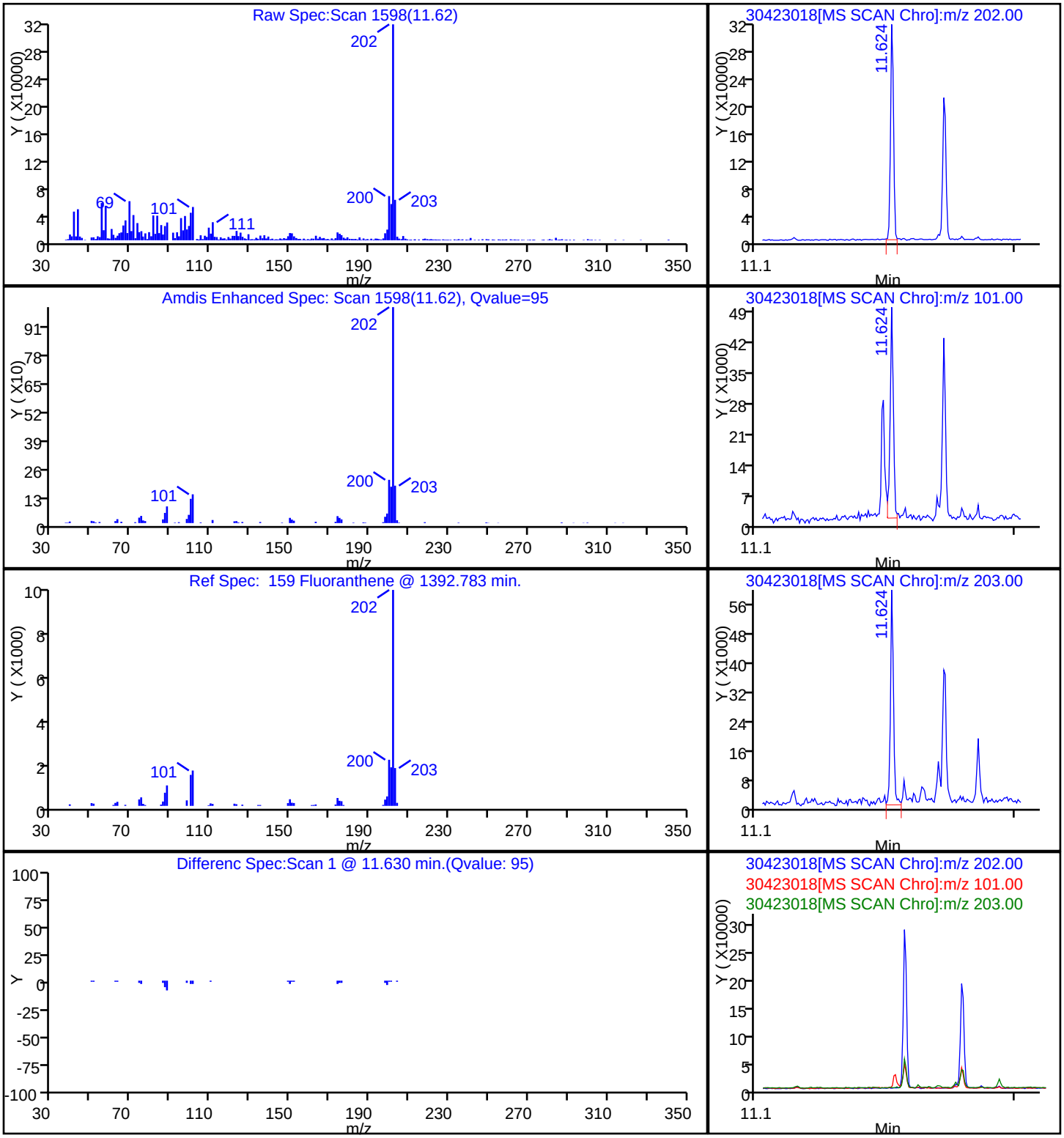
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



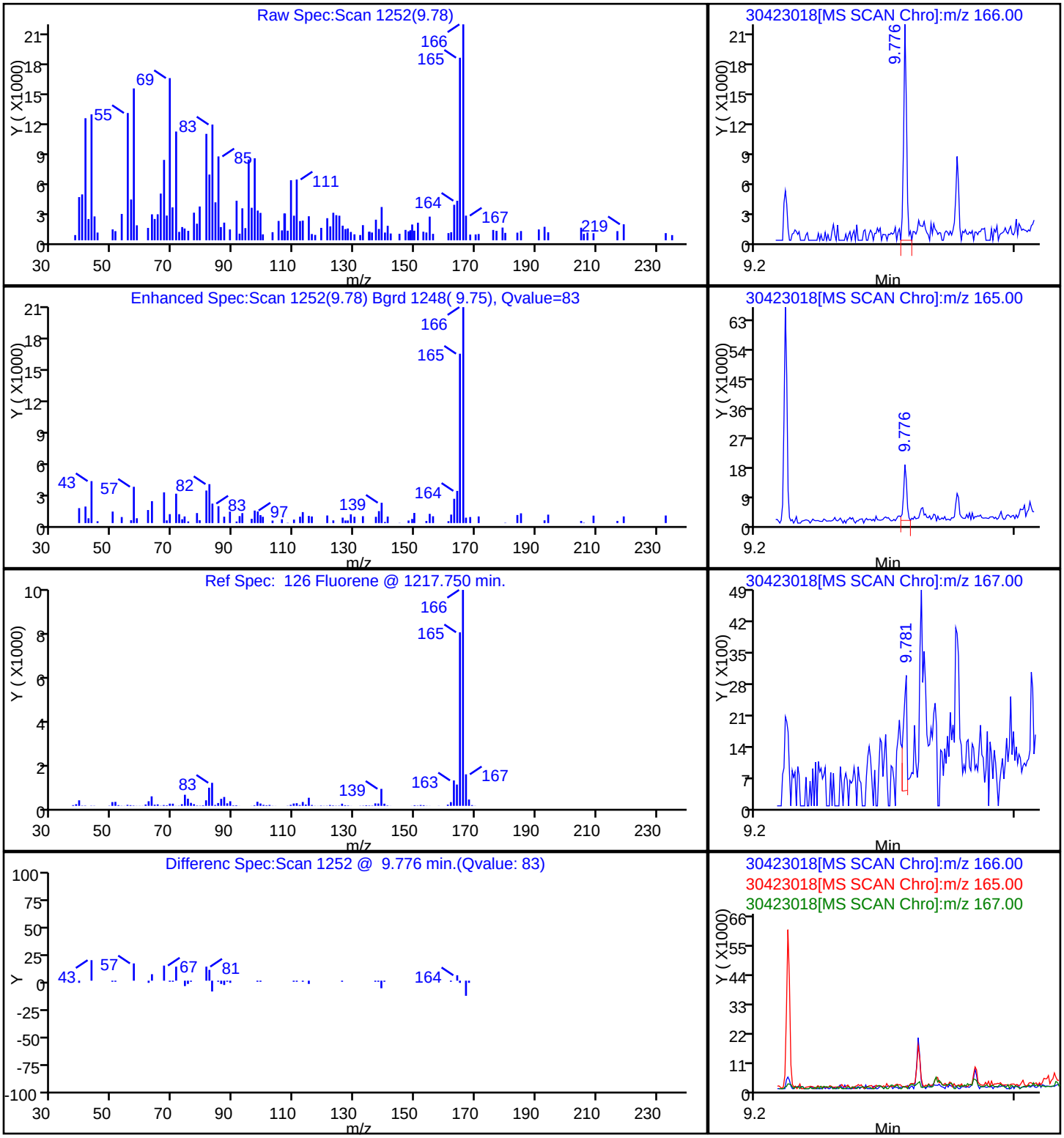
Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene

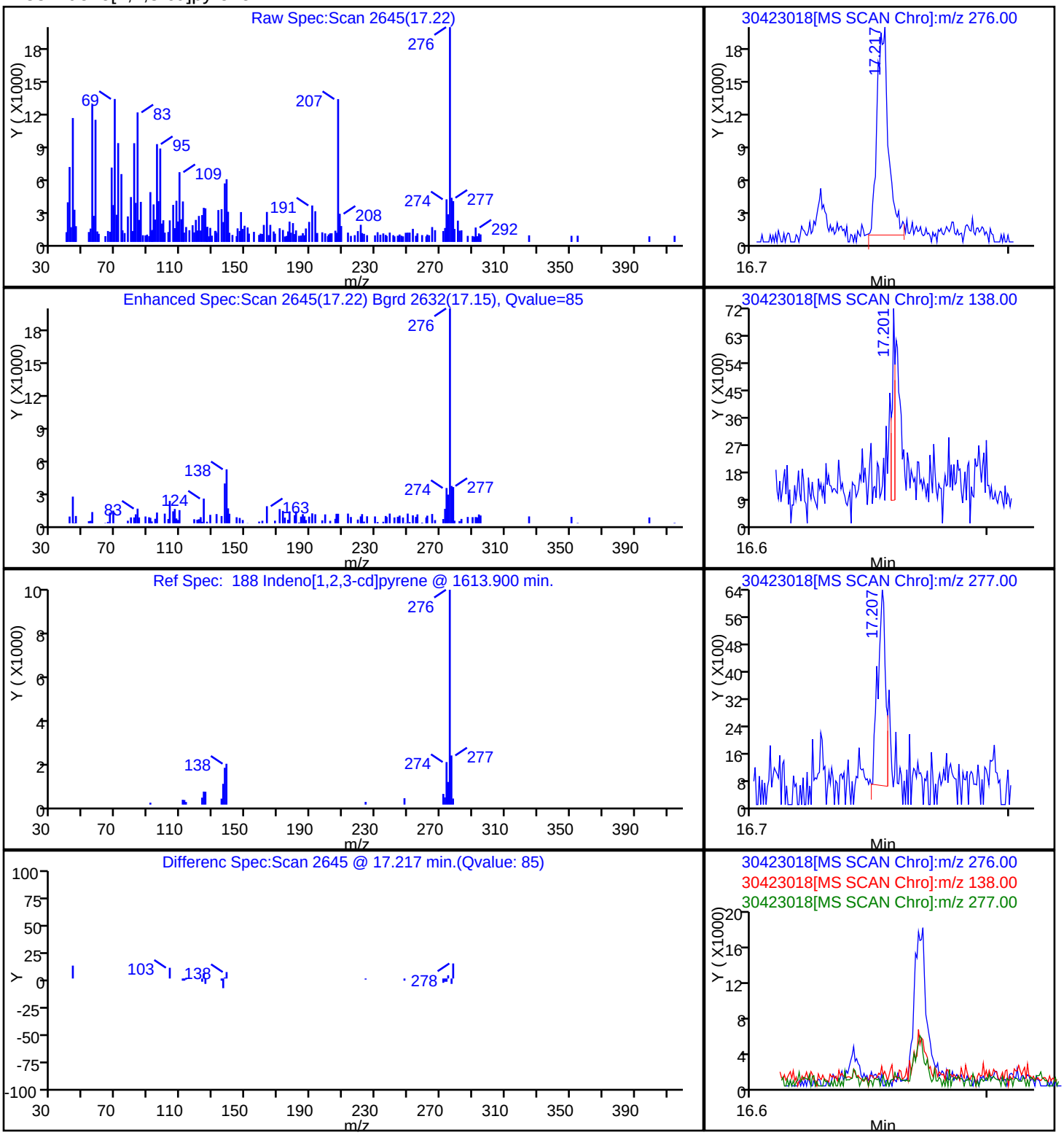


Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D		
Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



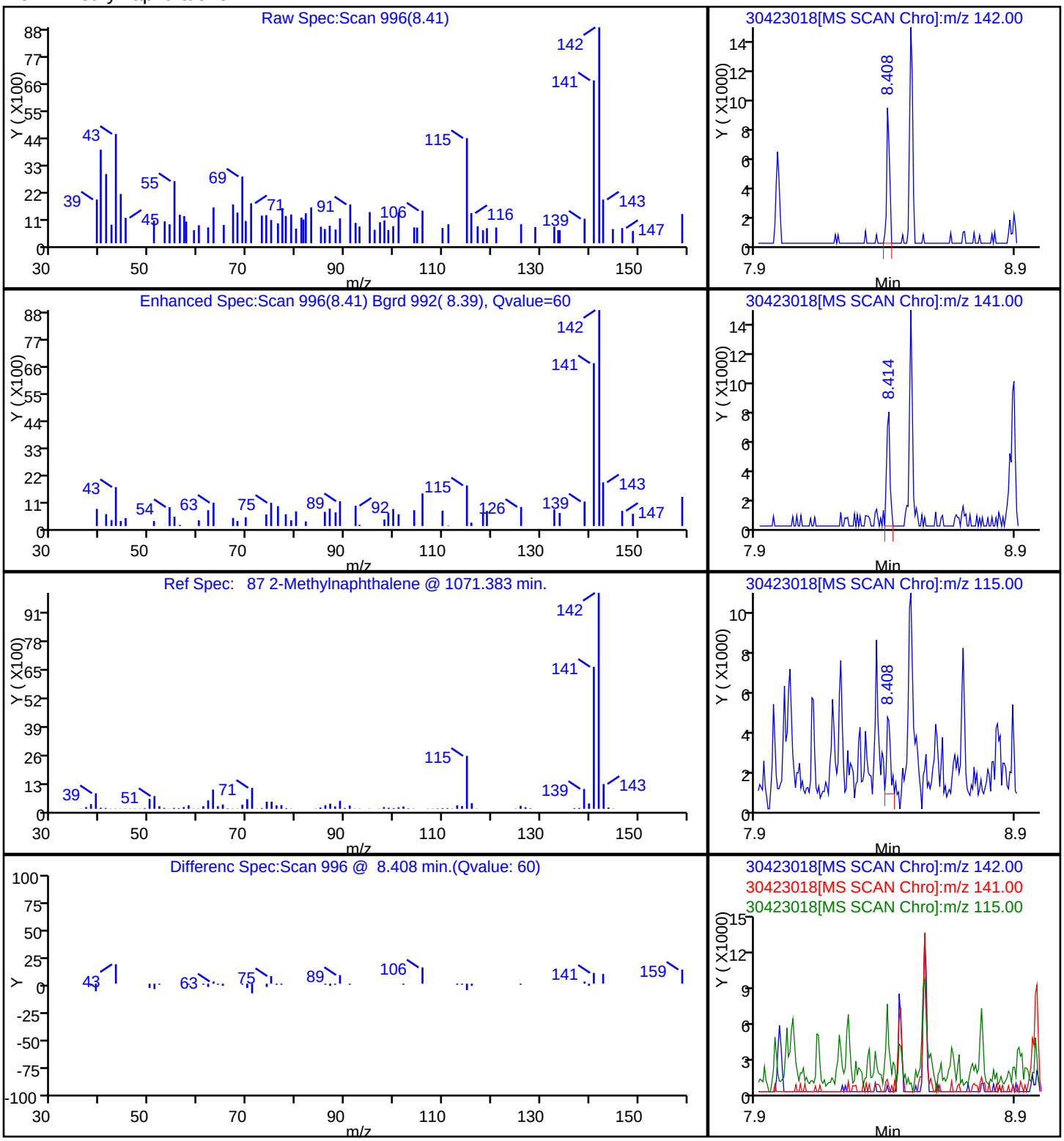
Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene

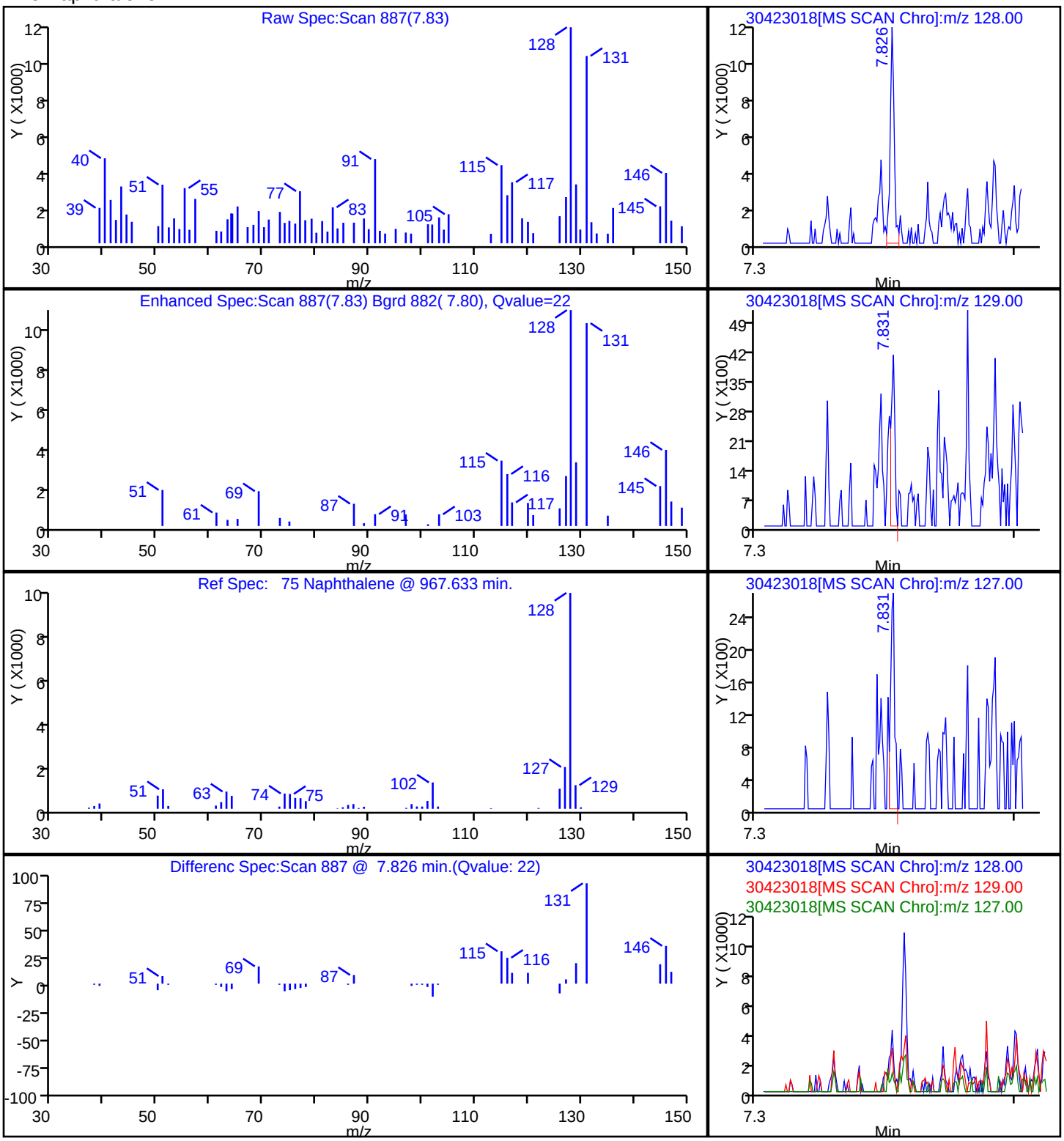


Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D		
Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



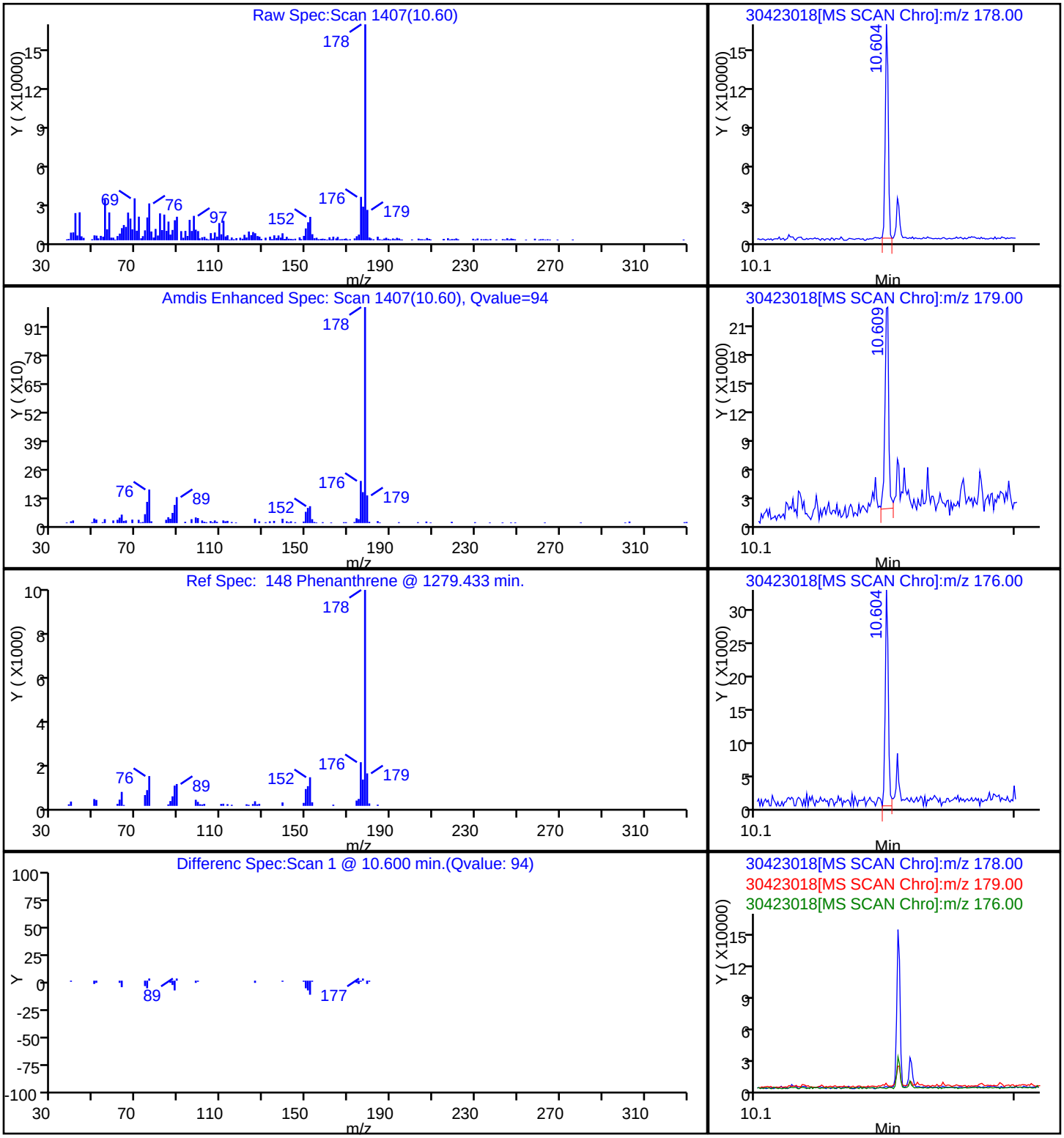
Report Date: 24-Apr-2013 08:46:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



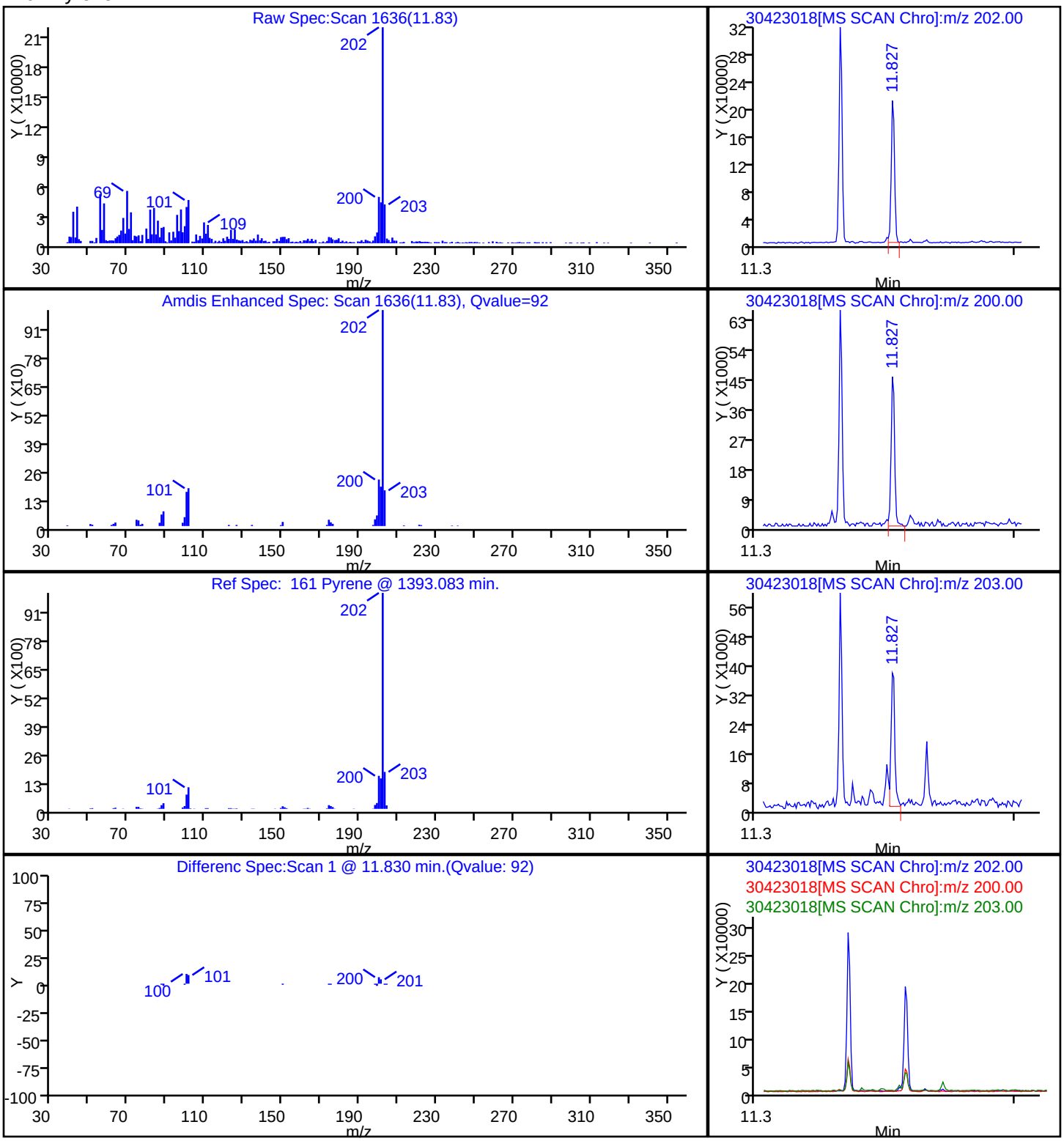
Report Date: 24-Apr-2013 08:46:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D

Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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

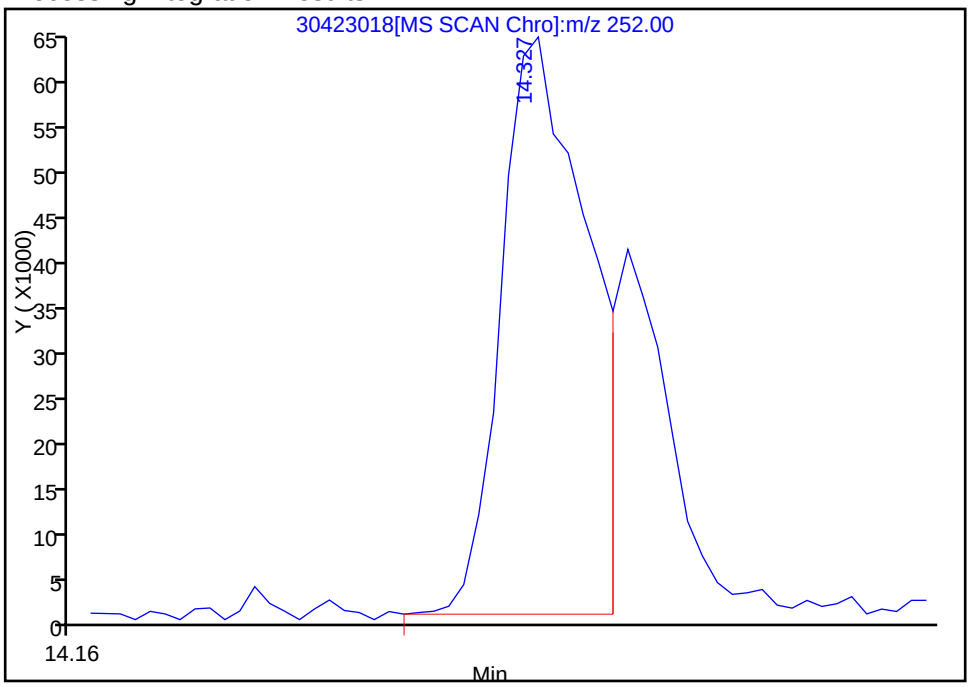
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D		
Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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, Signal: 1, m/z: 252.0 Type: quant, RT: 14.37

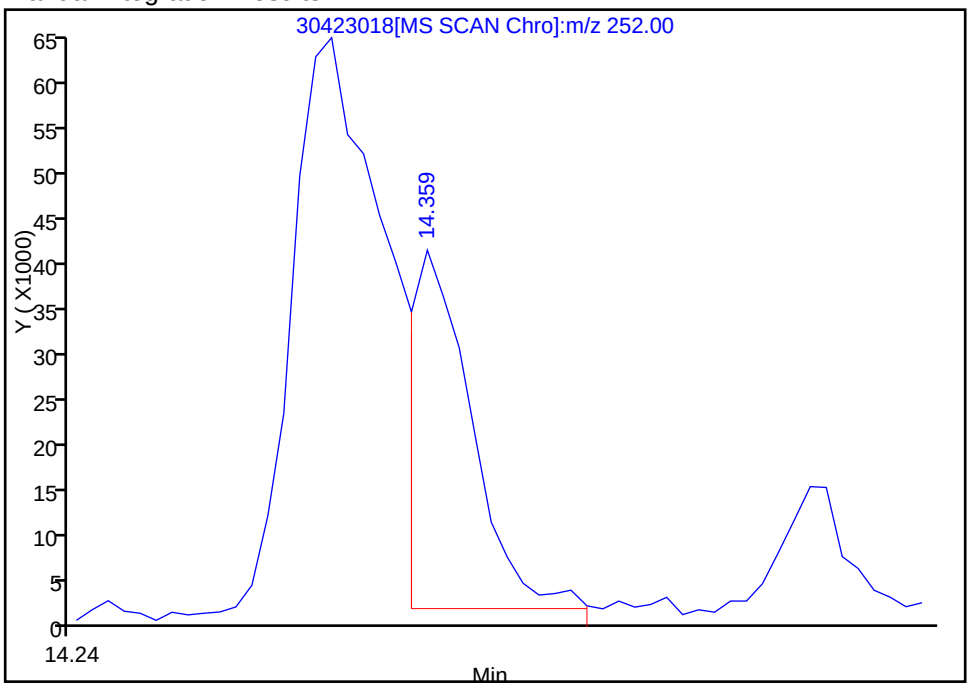
Processing Integration Results

RT: 14.33
Response: 137984
Amount: 0.675739



Manual Integration Results

RT: 14.36
Response: 56886
Amount: 0.278584



Reviewer: ulmanm, 24-Apr-2013 08:19:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

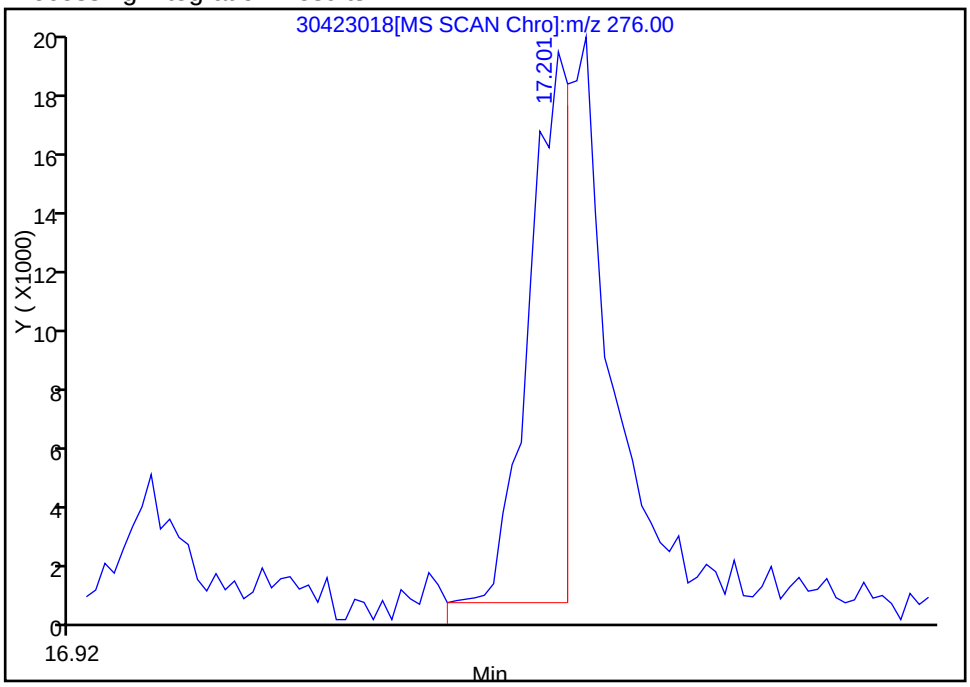
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423018.D		
Injection Date:	23-Apr-2013 16:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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, Signal: 1, m/z: 276.0 Type: quant, RT: 17.22

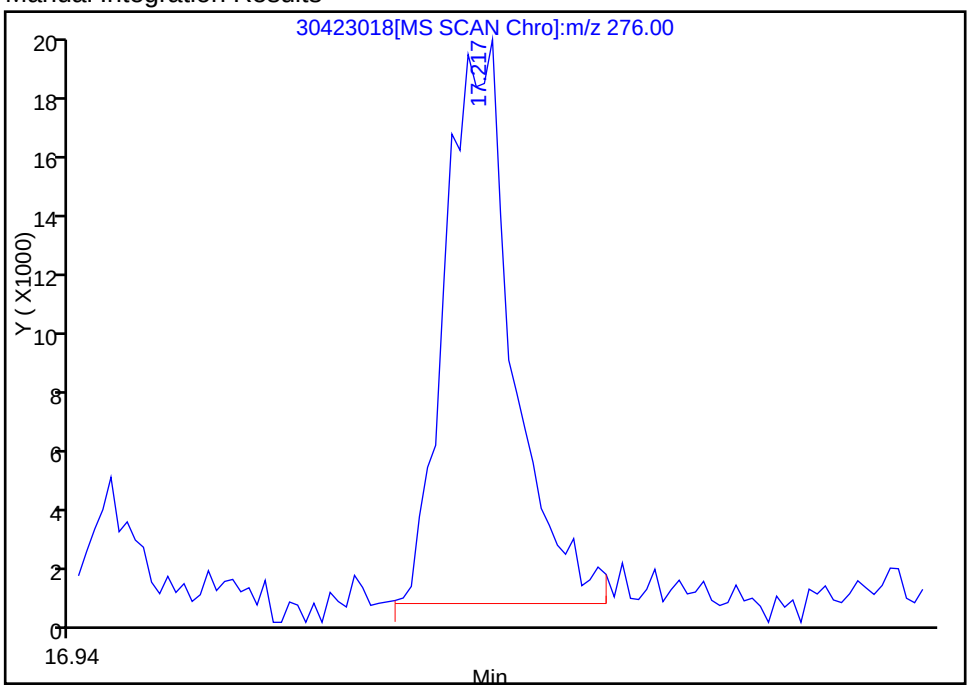
Processing Integration Results

RT: 17.20
Response: 30158
Amount: 0.168405



Manual Integration Results

RT: 17.22
Response: 59520
Amount: 0.332364



Reviewer: ulmanm, 24-Apr-2013 08:19:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0025-0001-SO | Lab Sample ID: 240-22804-8

Matrix: Solid | Lab File ID: 30423019.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 17:10

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	51		8.4	4.2	4.2
208-96-8	Acenaphthylene	9.9		8.4	4.2	4.2
120-12-7	Anthracene	90		8.4	4.2	4.2
56-55-3	Benzo[a]anthracene	110		8.4	4.2	4.2
50-32-8	Benzo[a]pyrene	100		8.4	4.2	4.2
205-99-2	Benzo[b]fluoranthene	150	M	8.4	4.2	4.2
191-24-2	Benzo[g,h,i]perylene	80	M	8.4	4.2	4.2
65-85-0	Benzoic acid	420	U	830	420	420
207-08-9	Benzo[k]fluoranthene	55	M	8.4	4.2	4.2
100-51-6	Benzyl alcohol	34	U	420	34	26
111-91-1	Bis(2-chloroethoxy)methane	34	U	130	34	28
111-44-4	Bis(2-chloroethyl)ether	4.2	U	130	4.2	2.5
108-60-1	bis (2-chloroisopropyl) ether	34	U	130	34	12
117-81-7	Bis(2-ethylhexyl) phthalate	34	J	88	34	24
101-55-3	4-Bromophenyl phenyl ether	34	U	63	34	16
85-68-7	Butyl benzyl phthalate	34	U	88	34	13
86-74-8	Carbazole	35	J	63	34	34
106-47-8	4-Chloroaniline	34	U	190	34	21
59-50-7	4-Chloro-3-methylphenol	34	U	190	34	26
91-58-7	2-Chloronaphthalene	4.2	U	63	4.2	4.2
95-57-8	2-Chlorophenol	34	U	63	34	34
7005-72-3	4-Chlorophenyl phenyl ether	34	U	63	34	16
218-01-9	Chrysene	120		8.4	4.2	1.4
53-70-3	Dibenz(a,h)anthracene	20	M	8.4	4.2	4.2
132-64-9	Dibenzofuran	78		63	4.2	4.2
95-50-1	1,2-Dichlorobenzene	34	U	63	34	12
541-73-1	1,3-Dichlorobenzene	34	U	63	34	14
106-46-7	1,4-Dichlorobenzene	34	U	63	34	25
91-94-1	3,3'-Dichlorobenzidine	100	U	130	100	23
120-83-2	2,4-Dichlorophenol	34	U	190	34	25
84-66-2	Diethyl phthalate	34	U	88	34	20
105-67-9	2,4-Dimethylphenol	100	U	190	100	25
131-11-3	Dimethyl phthalate	34	U	88	34	21
84-74-2	Di-n-butyl phthalate	33	J	88	34	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0025-0001-SO | Lab Sample ID: 240-22804-8

Matrix: Solid | Lab File ID: 30423019.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 17:10

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	100	U	190	100	100
51-28-5	2,4-Dinitrophenol	100	U	420	100	100
121-14-2	2,4-Dinitrotoluene	34	U	250	34	34
606-20-2	2,6-Dinitrotoluene	34	U	250	34	26
117-84-0	Di-n-octyl phthalate	34	U	88	34	34
206-44-0	Fluoranthene	310		8.4	4.2	4.2
86-73-7	Fluorene	93		8.4	4.2	4.2
118-74-1	Hexachlorobenzene	4.2	U	8.4	4.2	2.6
87-68-3	Hexachlorobutadiene	34	U	63	34	34
77-47-4	Hexachlorocyclopentadiene	34	U	420	34	34
67-72-1	Hexachloroethane	34	U	63	34	11
193-39-5	Indeno[1,2,3-cd]pyrene	66		8.4	4.2	4.2
78-59-1	Isophorone	34	U	63	34	16
91-57-6	2-Methylnaphthalene	51		8.4	4.2	4.2
95-48-7	2-Methylphenol	100	U	250	100	100
15831-10-4	3 & 4 Methylphenol	100	U	500	100	25
91-20-3	Naphthalene	30		8.4	4.2	4.2
88-74-4	2-Nitroaniline	34	U	250	34	11
99-09-2	3-Nitroaniline	100	U	250	100	20
100-01-6	4-Nitroaniline	34	U	250	34	33
98-95-3	Nitrobenzene	4.2	U	130	4.2	2.8
88-75-5	2-Nitrophenol	34	U	63	34	34
100-02-7	4-Nitrophenol	100	U	420	100	100
621-64-7	N-Nitrosodi-n-propylamine	34	U	63	34	34
86-30-6	N-Nitrosodiphenylamine	34	U	63	34	26
87-86-5	Pentachlorophenol	100	U	190	100	100
85-01-8	Phenanthrene	170		8.4	4.2	4.2
108-95-2	Phenol	34	U	63	34	34
129-00-0	Pyrene	270		8.4	4.2	4.2
120-82-1	1,2,4-Trichlorobenzene	34	U	63	34	34
95-95-4	2,4,5-Trichlorophenol	34	U	190	34	31
88-06-2	2,4,6-Trichlorophenol	100	U	190	100	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0025-0001-SO | Lab Sample ID: 240-22804-8

Matrix: Solid | Lab File ID: 30423019.D

Analysis Method: 8270C/DoD | Date Collected: 04/02/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.08(g) | Date Analyzed: 04/23/2013 17:10

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	58		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	65		35-125

Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D
Lims ID: 240-22804-B-8-A Client ID: 074SB-0025-0001-SO
Inject. Date: 23-Apr-2013 17:10:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-019
Misc. Info.: 240-22804-B-8-A =240-22804-B-8-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 83126 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:22:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	94	156210	4.00	
* 2 Naphthalene-d8	136	7.806	7.805	0.001	98	664748	4.00	
* 3 Acenaphthene-d10	164	9.312	9.311	0.001	78	405399	4.00	
* 4 Phenanthrene-d10	188	10.584	10.588	-0.004	96	715028	4.00	
* 5 Chrysene-d12	240	12.945	12.949	-0.004	81	820936	4.00	
* 6 Perylene-d12	264	14.969	14.969	0.0	93	770273	4.00	
$ 7 2-Fluorophenol	112	5.503	5.486	0.017	94	673785	10.6	
$ 8 Phenol-d5	99	6.326	6.320	0.006	89	922782	10.8	
$ 9 Nitrobenzene-d5	82	7.165	7.169	-0.004	85	610673	6.23	
$ 10 2-Fluorobiphenyl (Surr)	172	8.703	8.702	0.001	99	776901	6.44	
$ 11 2,4,6-Tribromophenol	330	9.980	9.984	-0.004	82	127902	9.76	
$ 12 Terphenyl-d14	244	11.898	11.897	0.001	98	857228	5.83	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					9
48 1,4-Dichlorobenzene	146		6.710					9
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
21 3 & 4 Methylphenol	108		6.993					9
57 N-Nitrosodi-n-propylamine	70		7.009					
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					9
71 Benzoic acid	122		7.506					
70 Bis(2-chloroethoxy)methane	93		7.532					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					9
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128	7.827	7.826	0.001	79	57348	0.3567	
76 4-Chloroaniline	127		7.837					9
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142	8.409	8.414	-0.005	85	61145	0.6032	
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					9
93 2,4,5-Trichlorophenol	196		8.676					9
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152	9.195	9.194	0.001	77	18302	0.1175	
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153	9.339	9.343	-0.004	87	59824	0.6086	
114 2,4-Dinitrotoluene	165		9.429					
116 Dibenzofuran	168	9.483	9.482	0.001	78	132363	0.9336	
121 Diethyl phthalate	149		9.600					9
123 4-Chlorophenyl phenyl ether	204		9.744					9
125 4-Nitroaniline	138		9.755					
126 Fluorene	166	9.777	9.776	0.001	91	123744	1.11	
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
139 4-Bromophenyl phenyl ether	248		10.166					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178	10.605	10.604	0.001	96	359989	2.04	
149 Anthracene	178	10.648	10.652	-0.004	87	186527	1.07	
151 Carbazole	167	10.760	10.759	0.001	73	34649	0.4159	
154 Di-n-butyl phthalate	149	10.979	10.978	0.001	62	17166	0.3985	
159 Fluoranthene	202	11.631	11.624	0.007	98	785968	3.70	
161 Pyrene	202	11.828	11.833	-0.005	93	587510	3.24	
168 Butyl benzyl phthalate	149		12.271					9
173 Bis(2-ethylhexyl) phthalate	149	12.779	12.784	-0.005	68	44436	0.4018	
175 3,3'-Dichlorobenzidine	252		12.848					
177 Benzo[a]anthracene	228	12.929	12.933	-0.004	98	246581	1.27	
178 Chrysene	228	12.971	12.976	-0.005	90	276900	1.48	
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252	14.323	14.328	-0.005	91	358378	1.80	M
183 Benzo[k]fluoranthene	252	14.360	14.370	-0.010	98	148993	0.6599	M
184 Benzo[a]pyrene	252	14.873	14.878	-0.005	72	243188	1.25	
189 Dibenz(a,h)anthracene	278	17.197	17.223	-0.026	1	39170	0.2430	M
188 Indeno[1,2,3-cd]pyrene	276	17.213	17.223	-0.010	94	155877	0.7872	
190 Benzo[g,h,i]perylene	276	17.908	17.917	-0.009	85	156463	0.9570	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

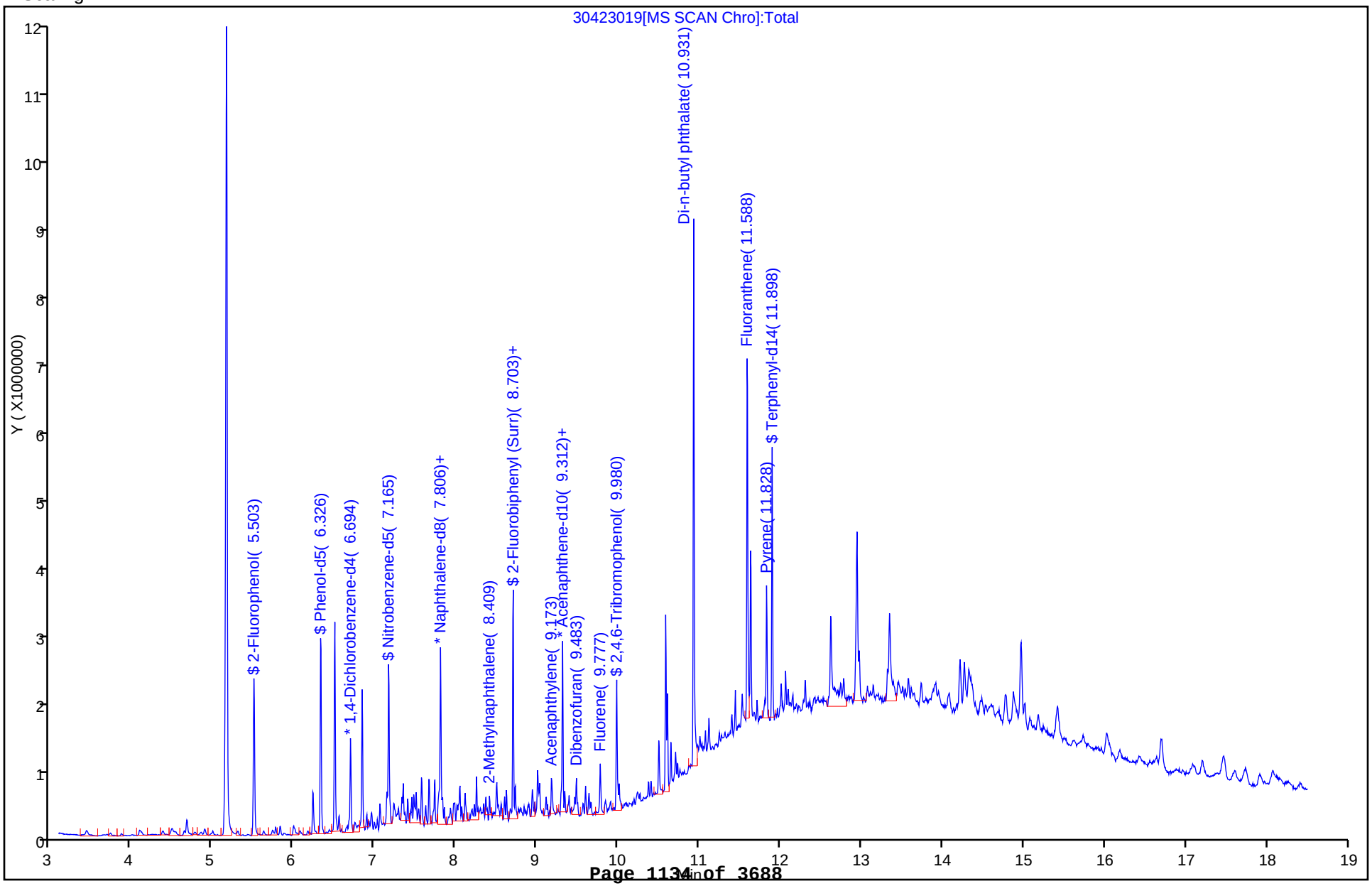
Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



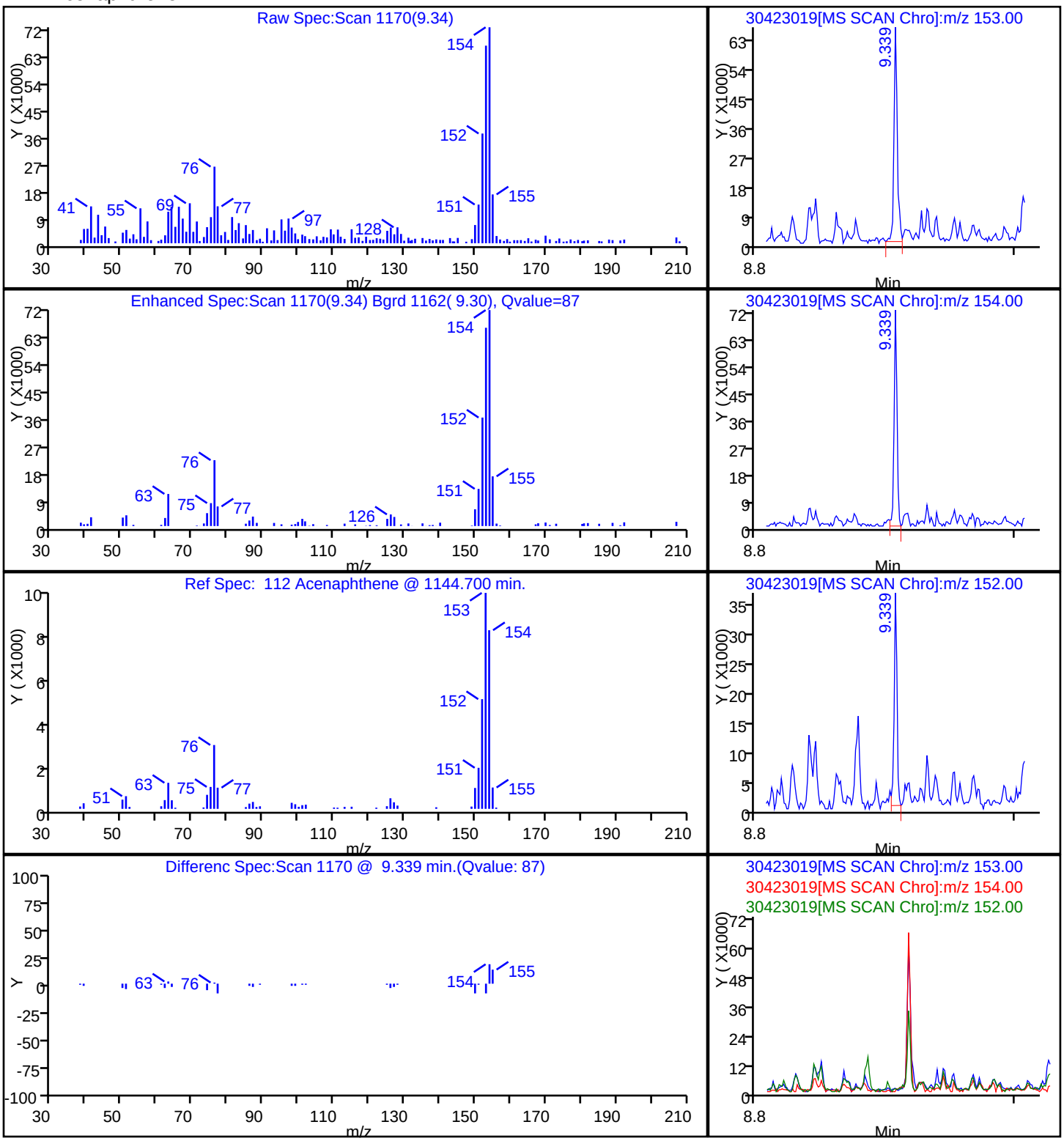
Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

112 Acenaphthene



Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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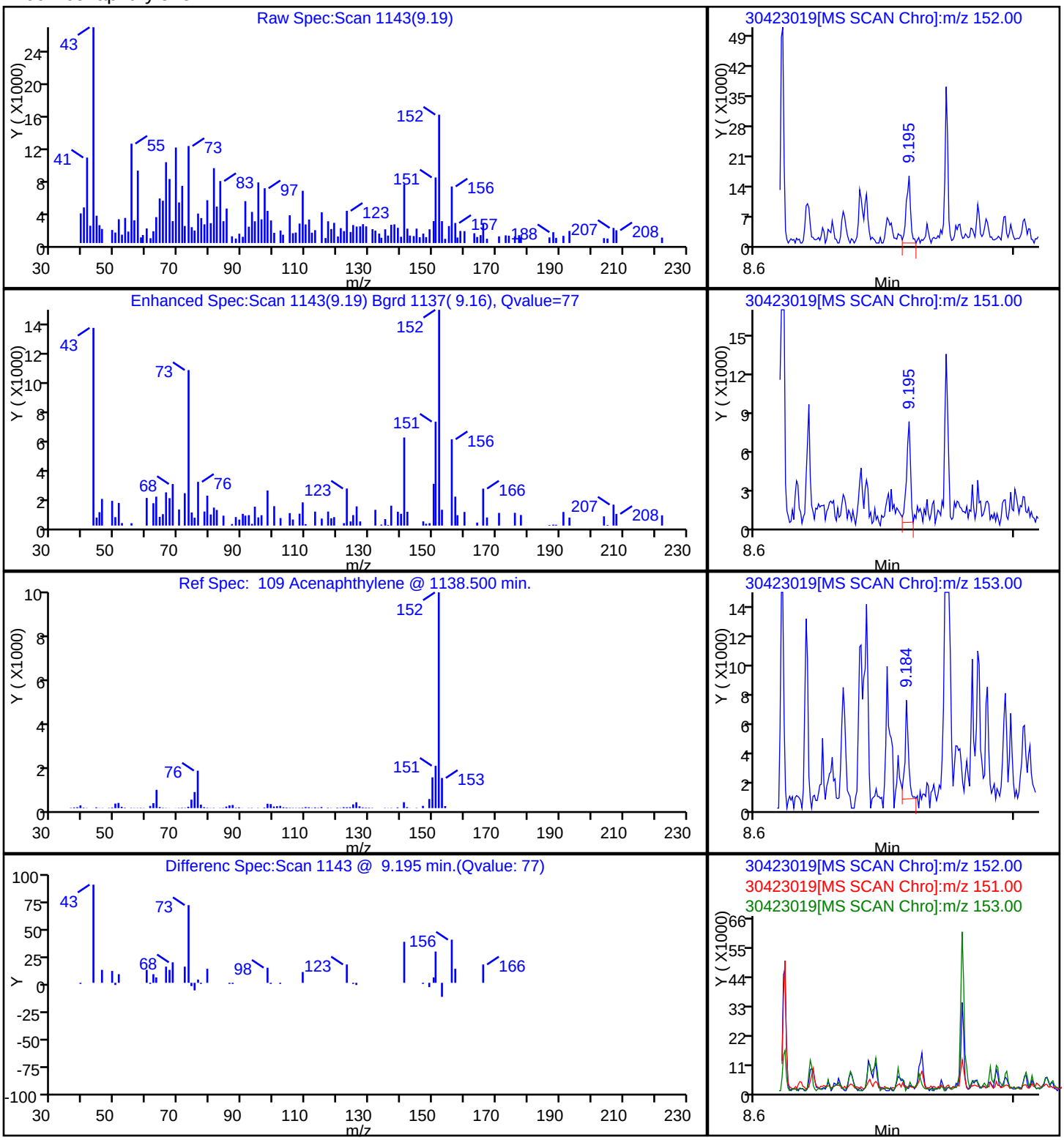
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

109 Acenaphthylene



Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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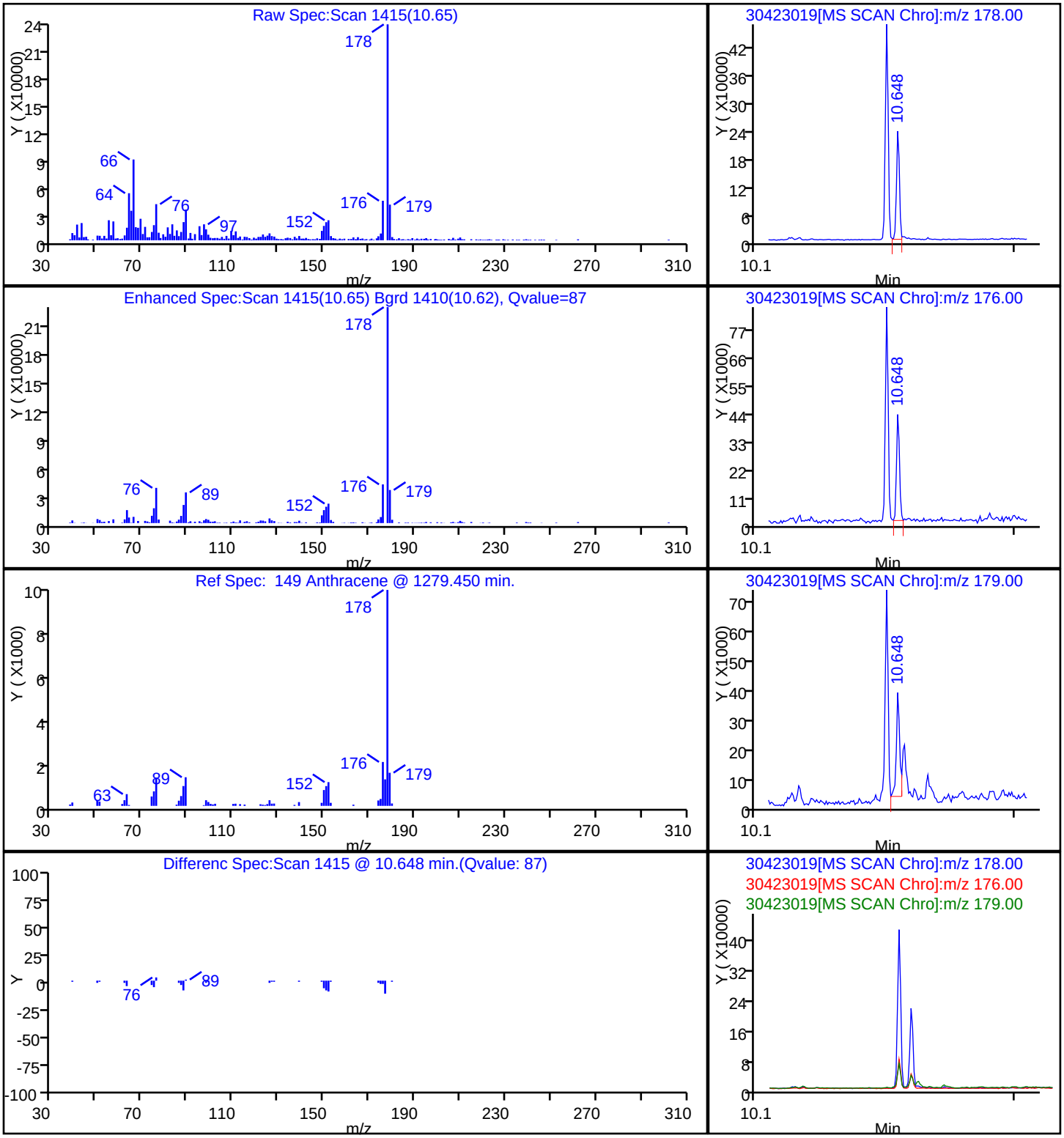
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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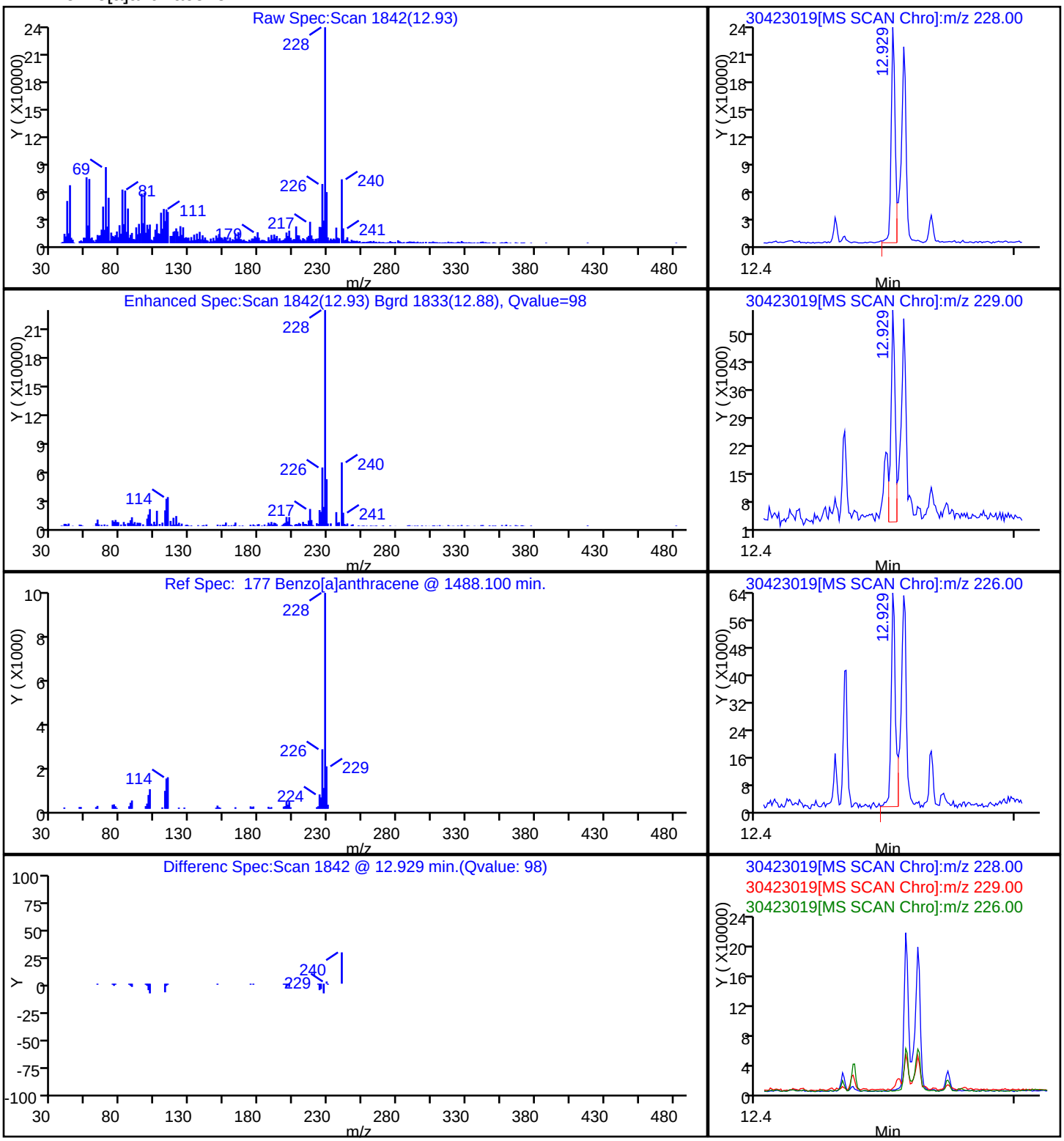
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



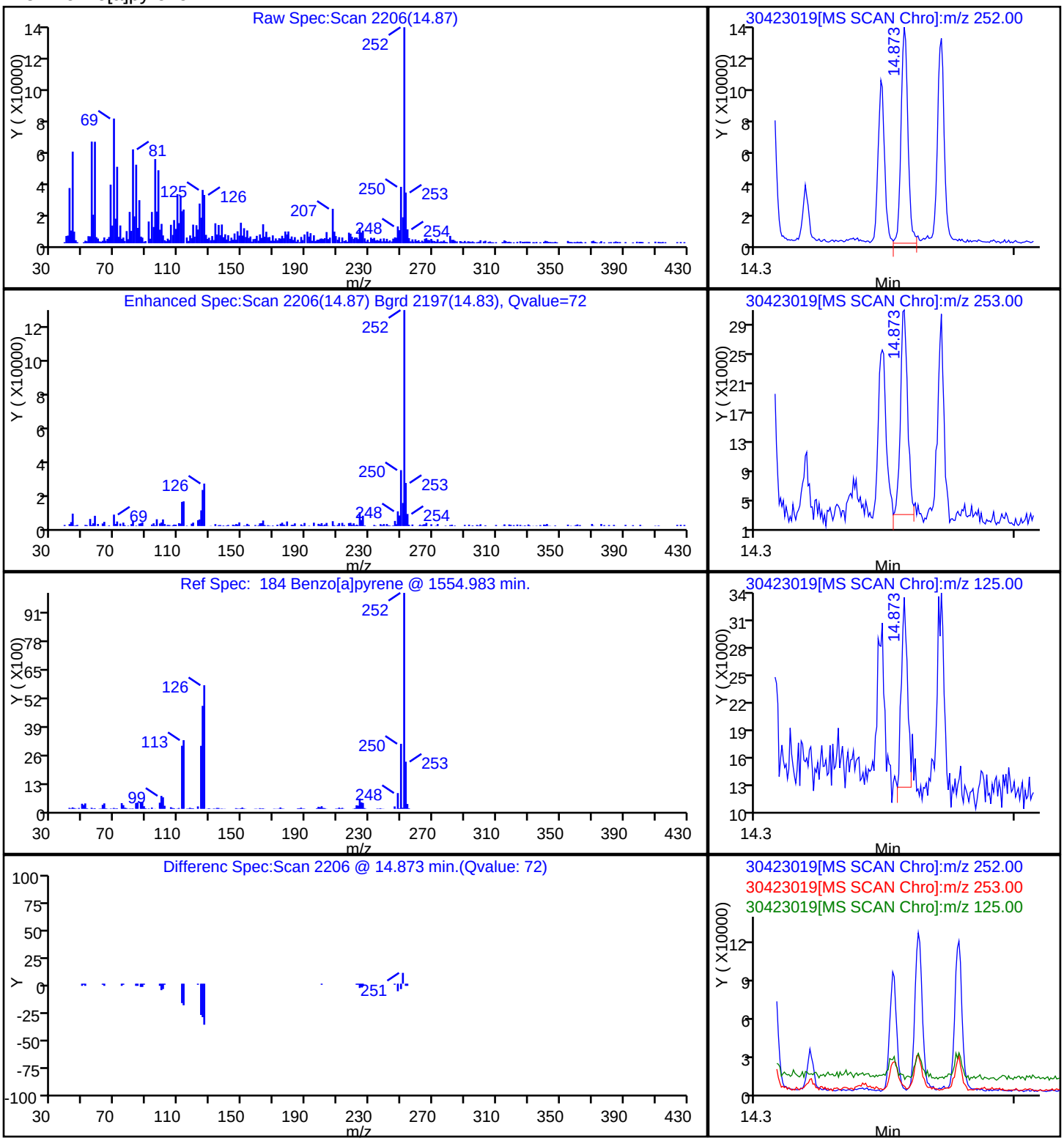
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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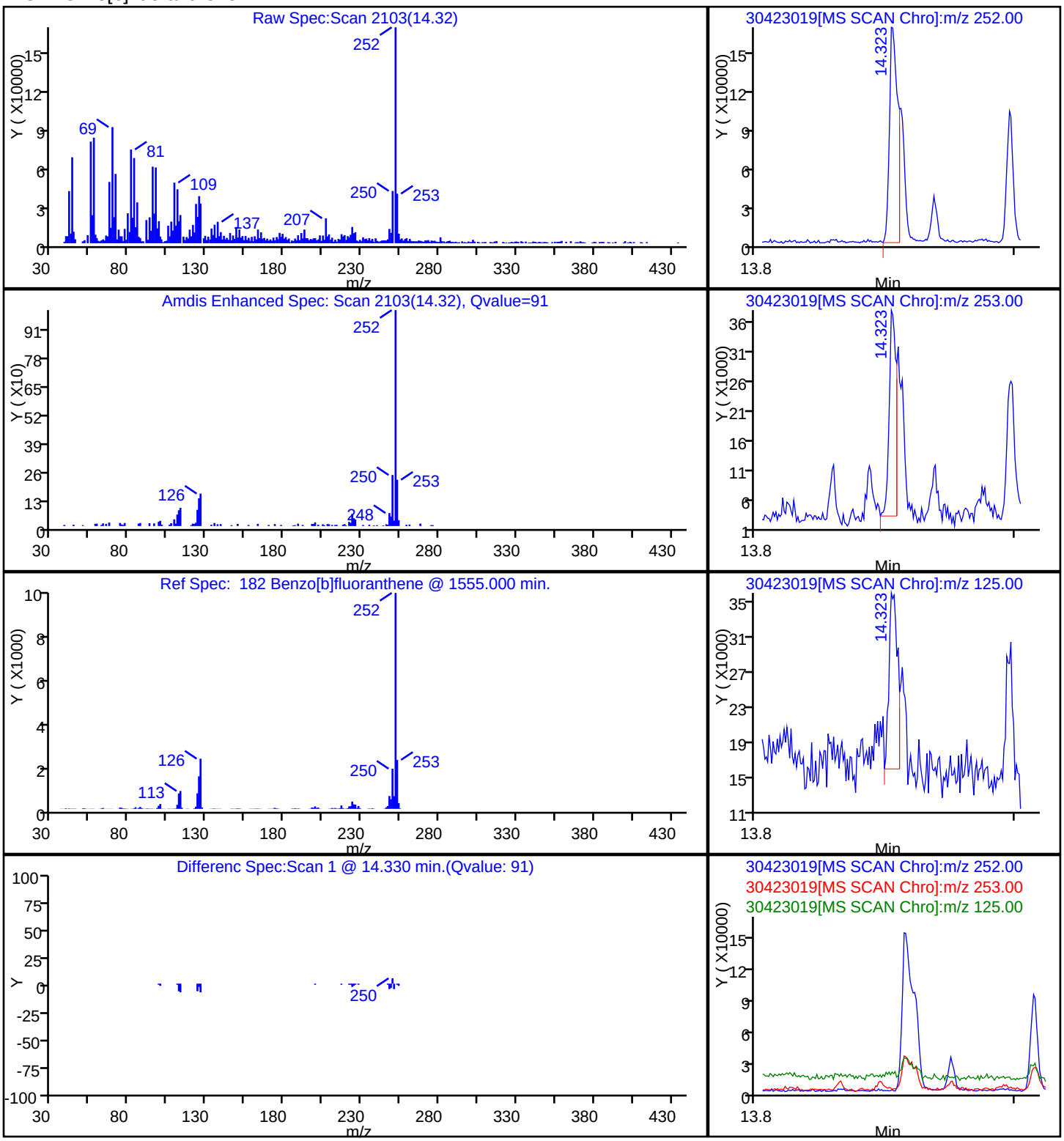
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



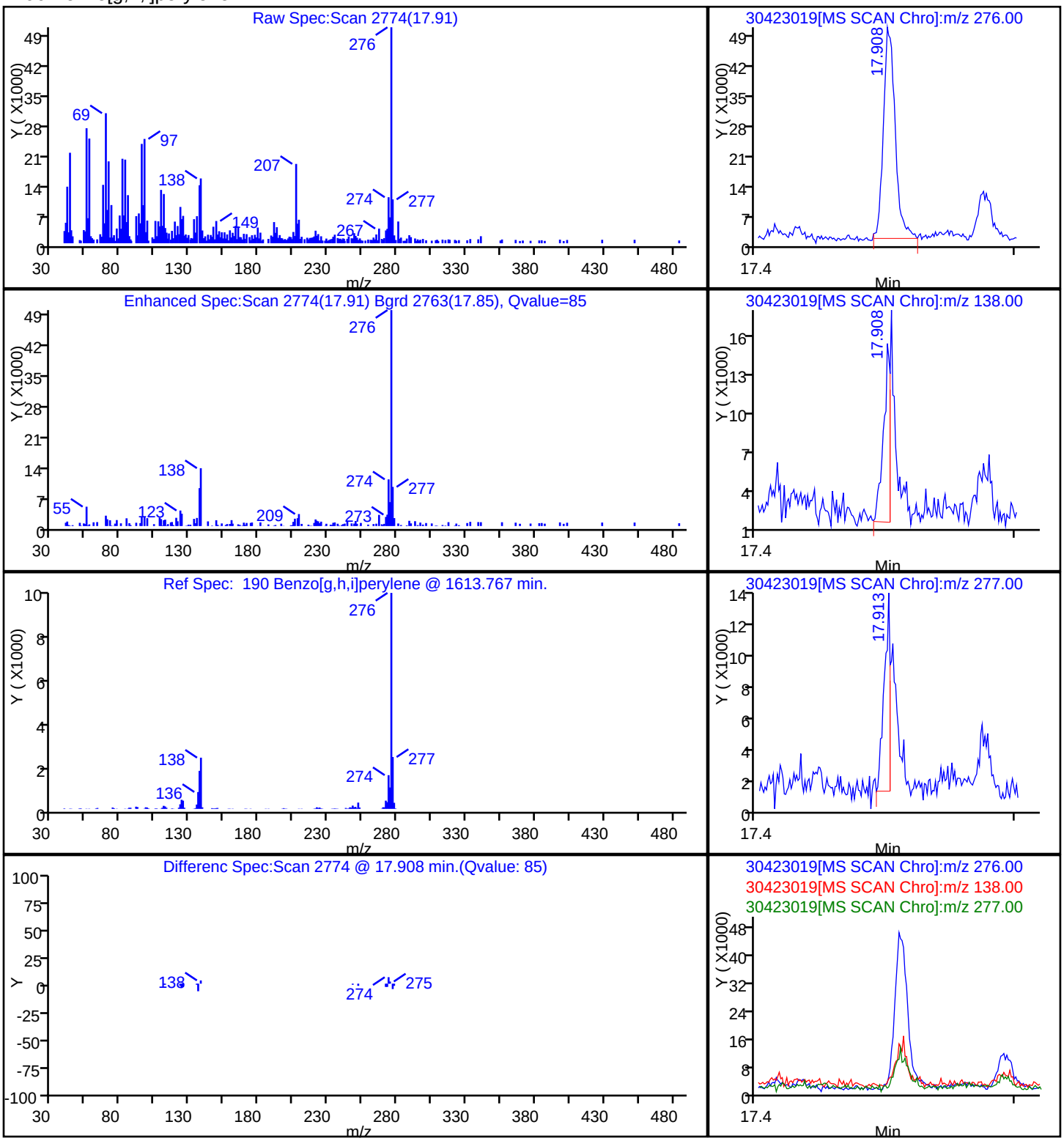
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



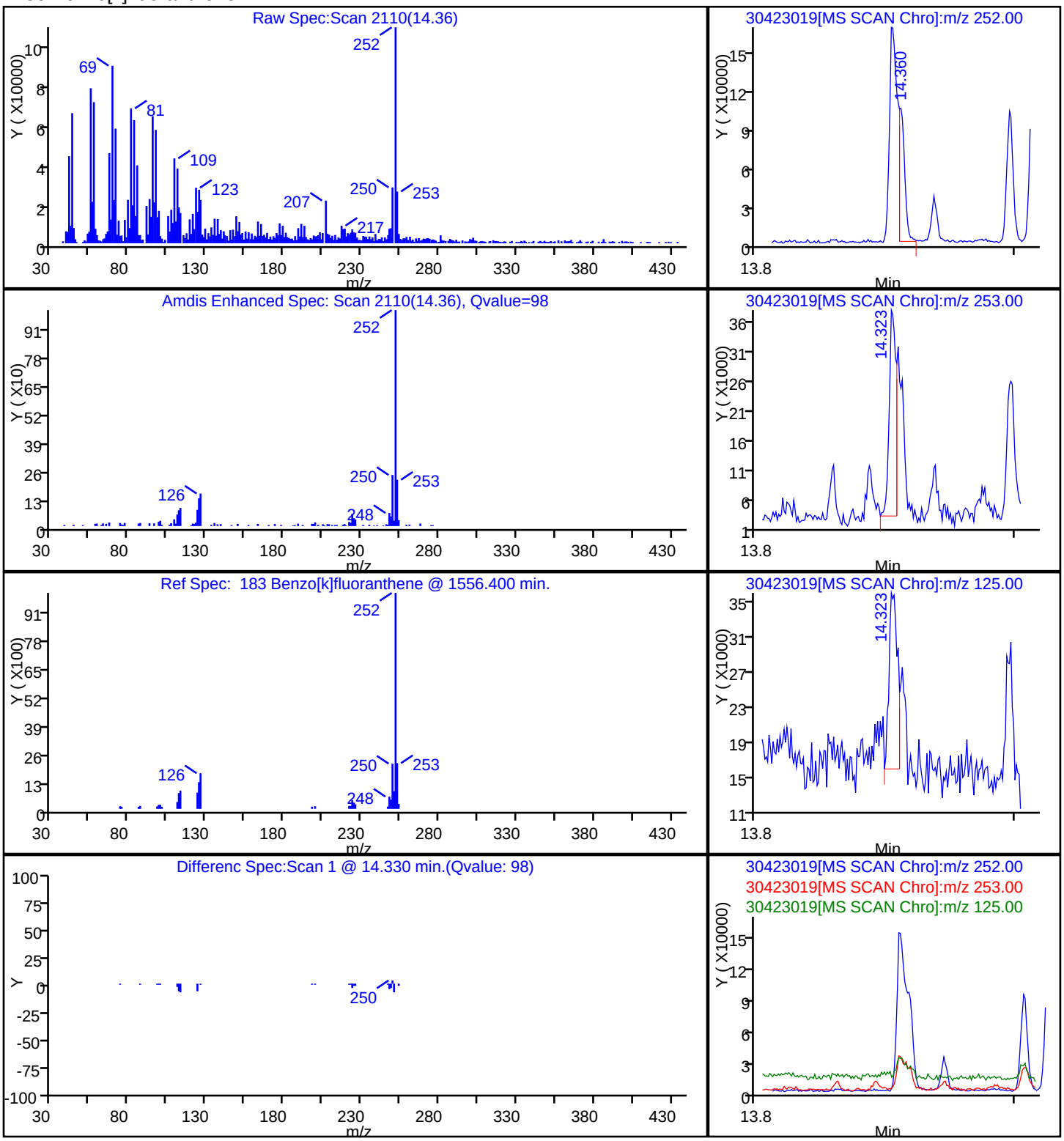
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
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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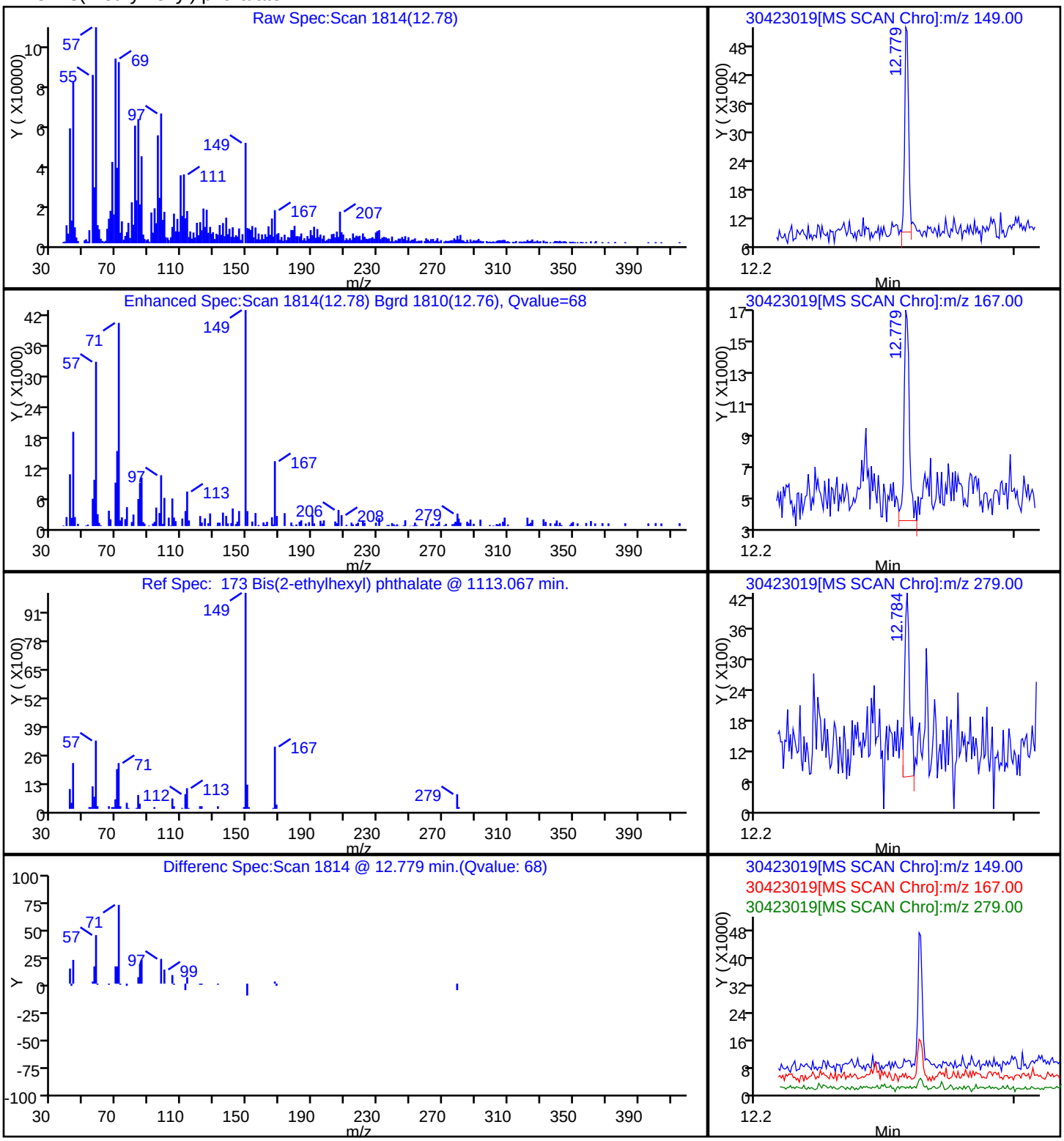
TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
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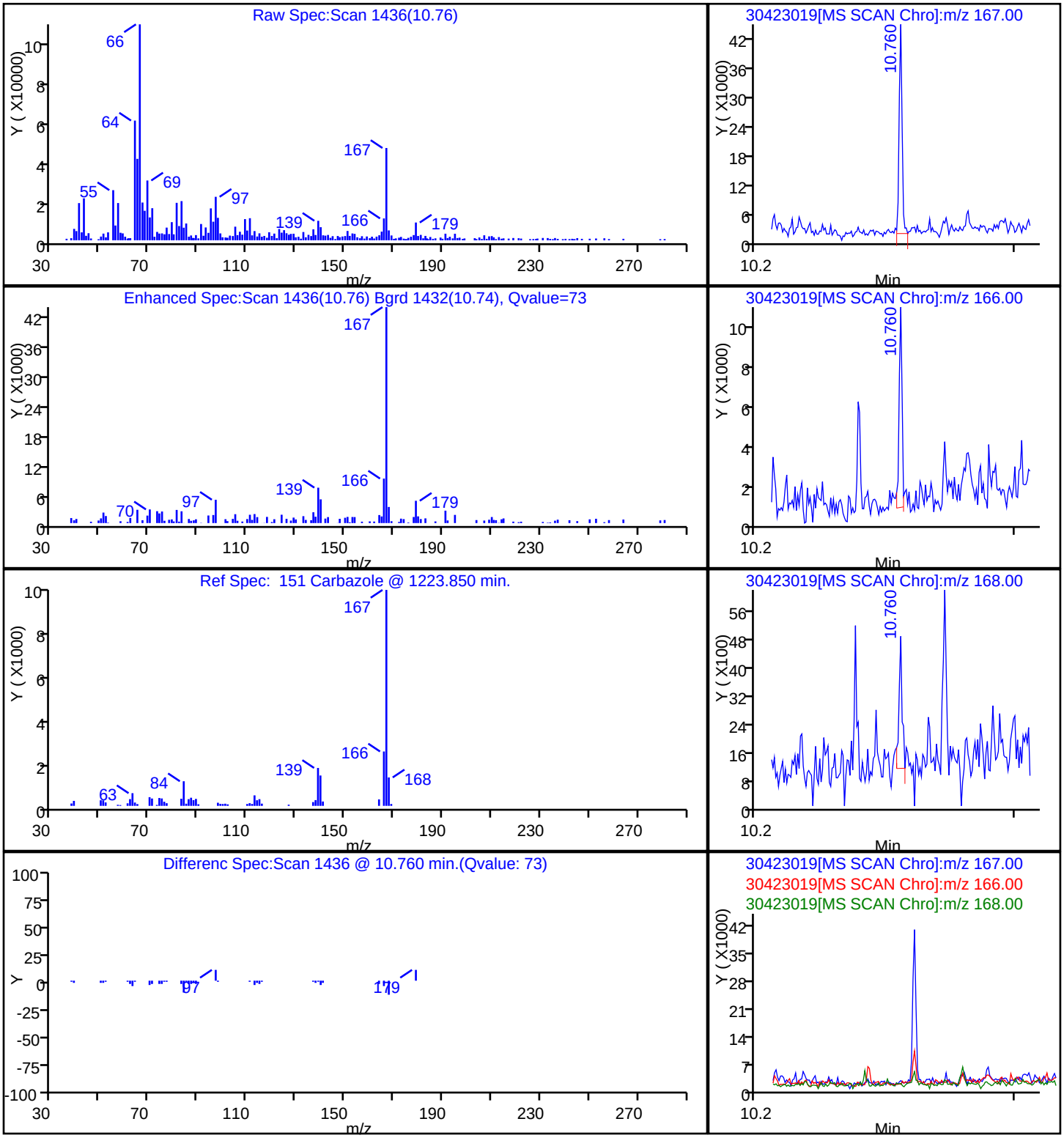
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

151 Carbazole



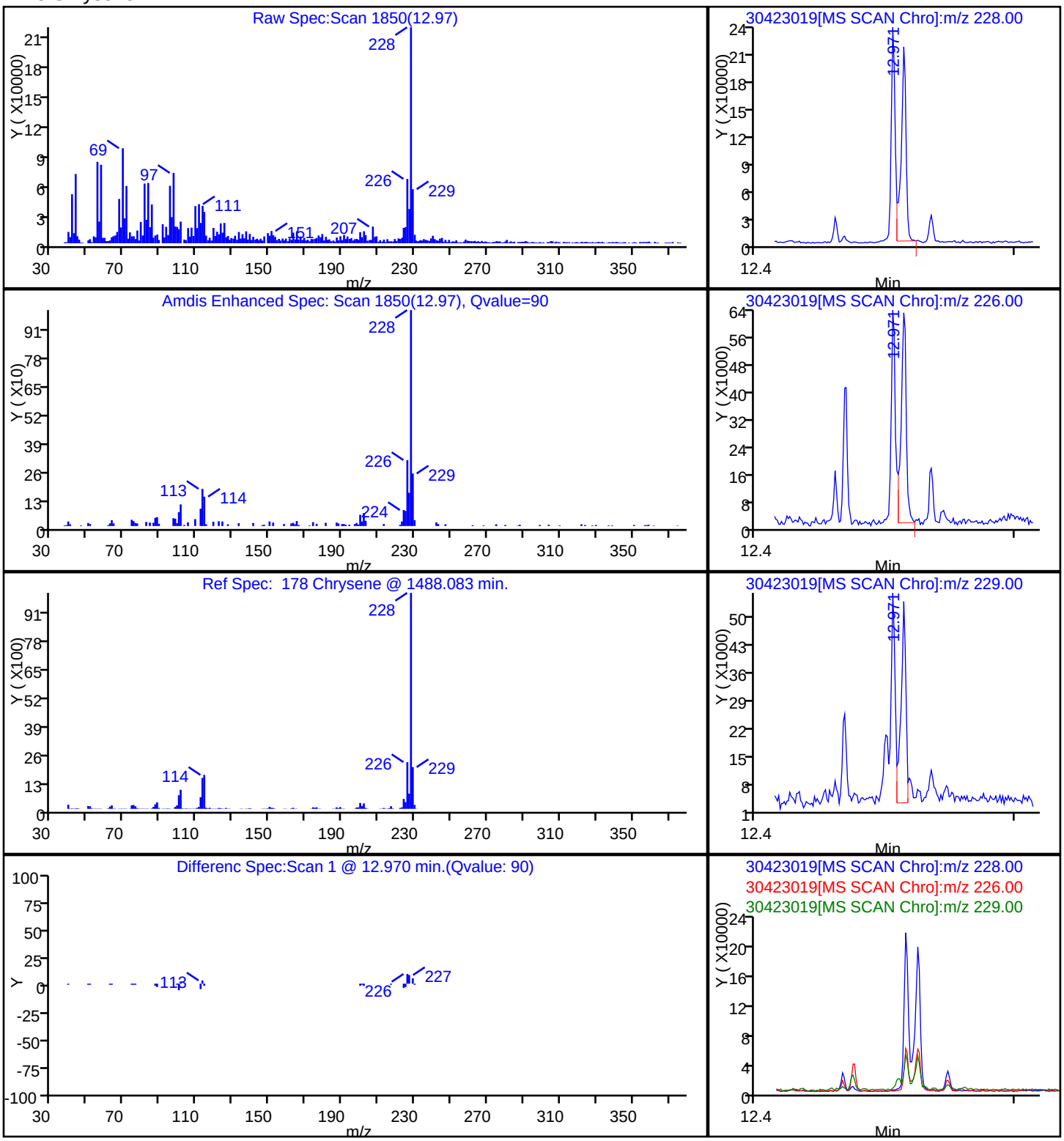
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
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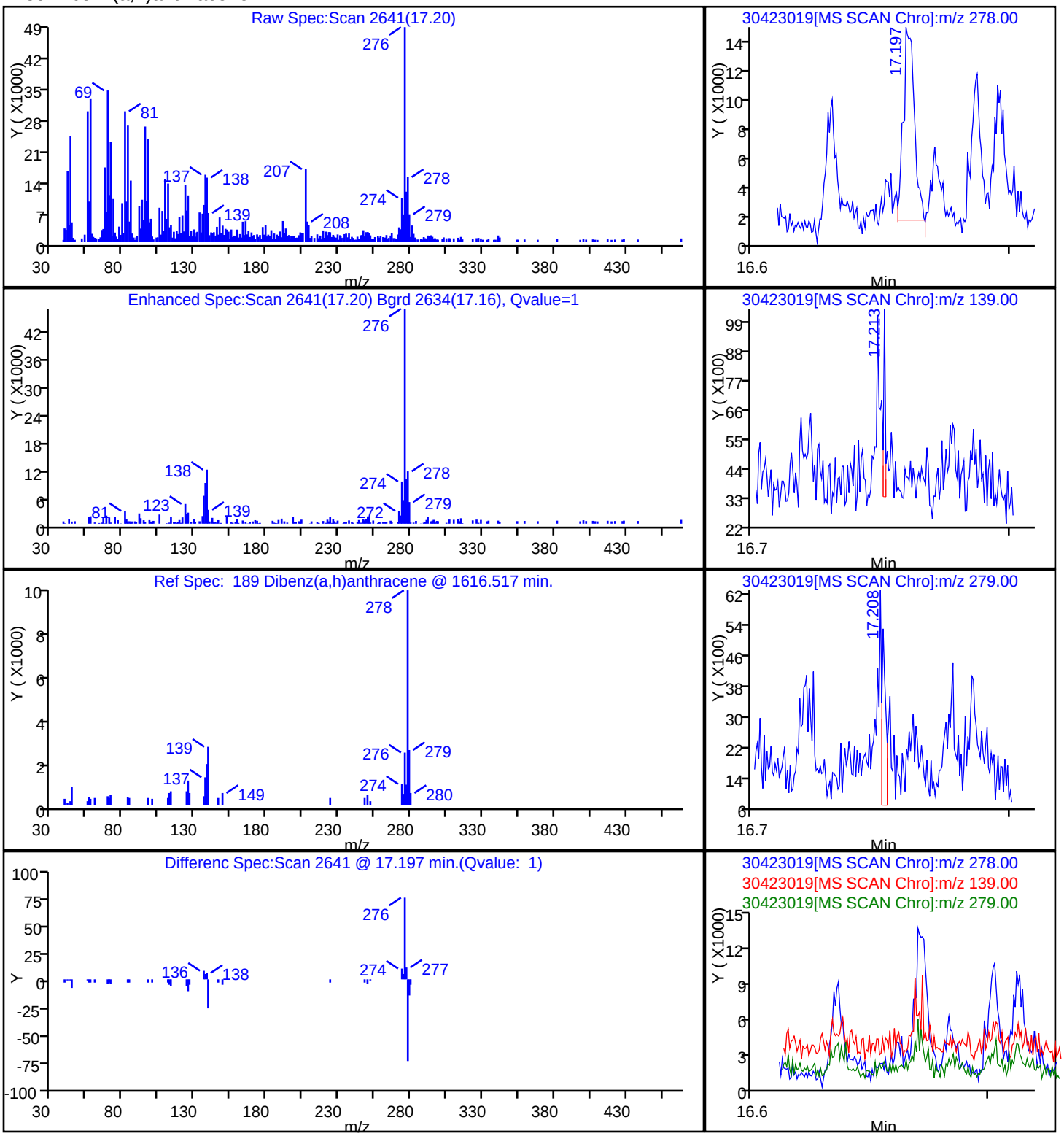
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene



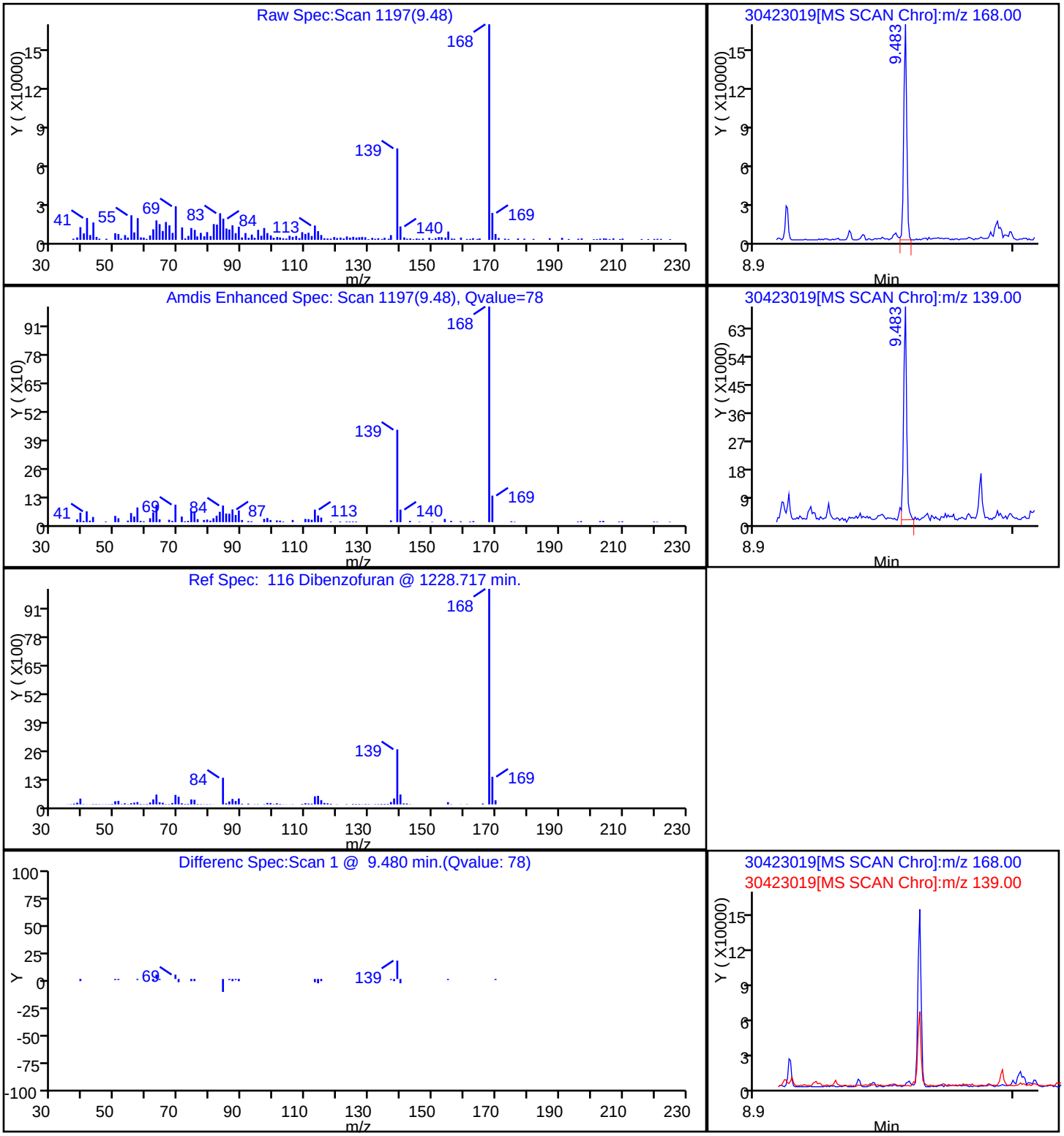
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

116 Dibenzofuran



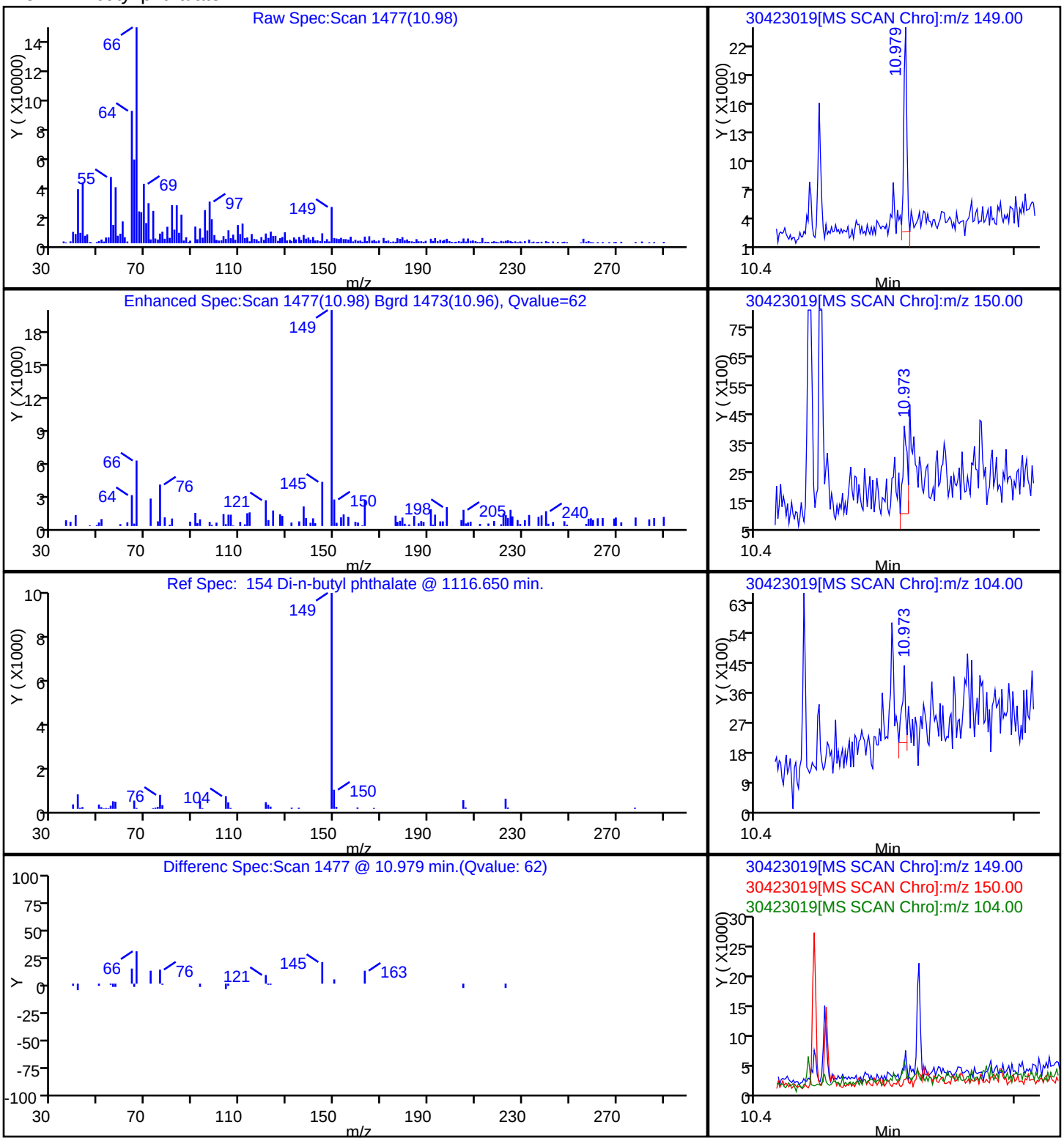
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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



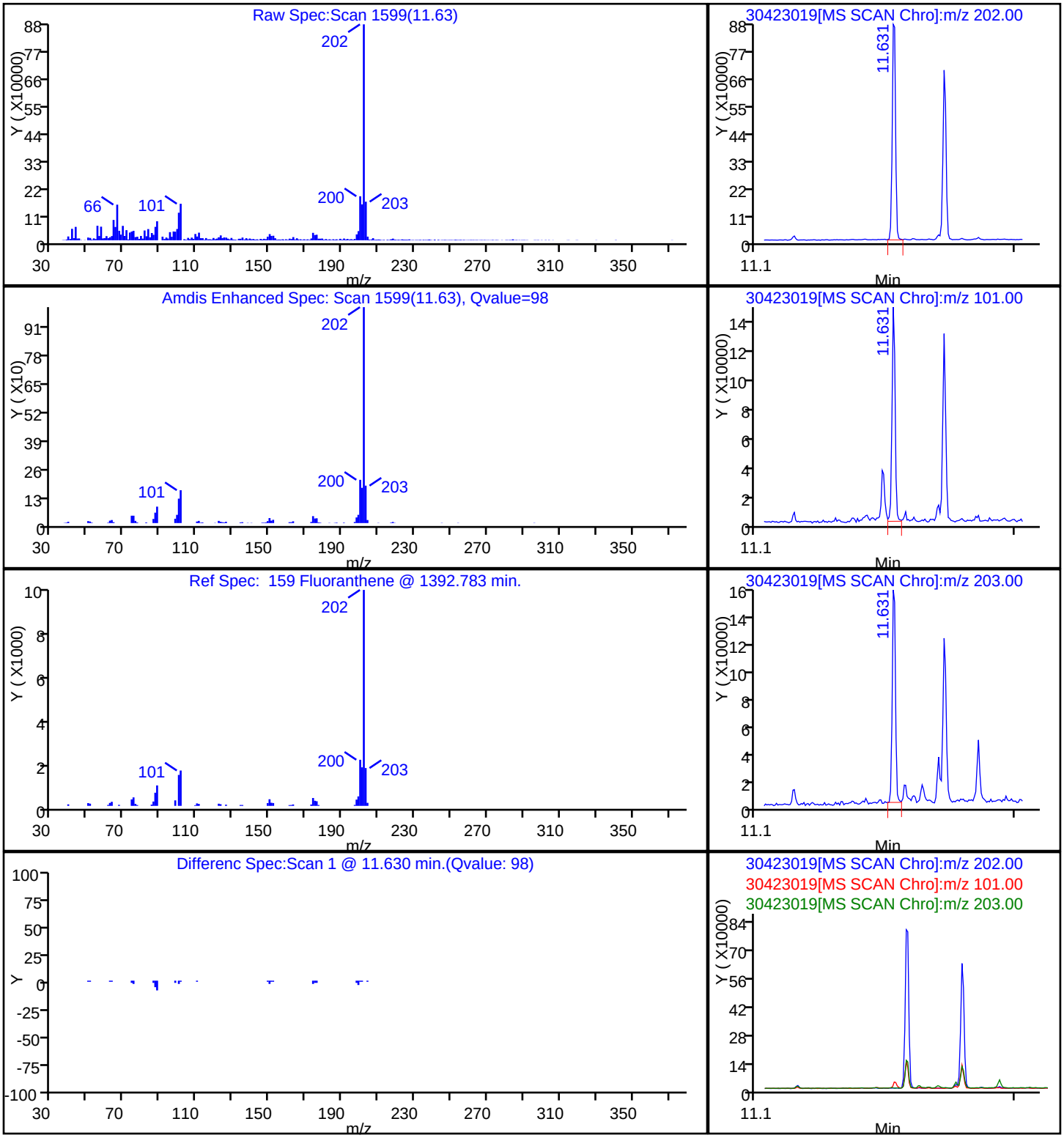
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



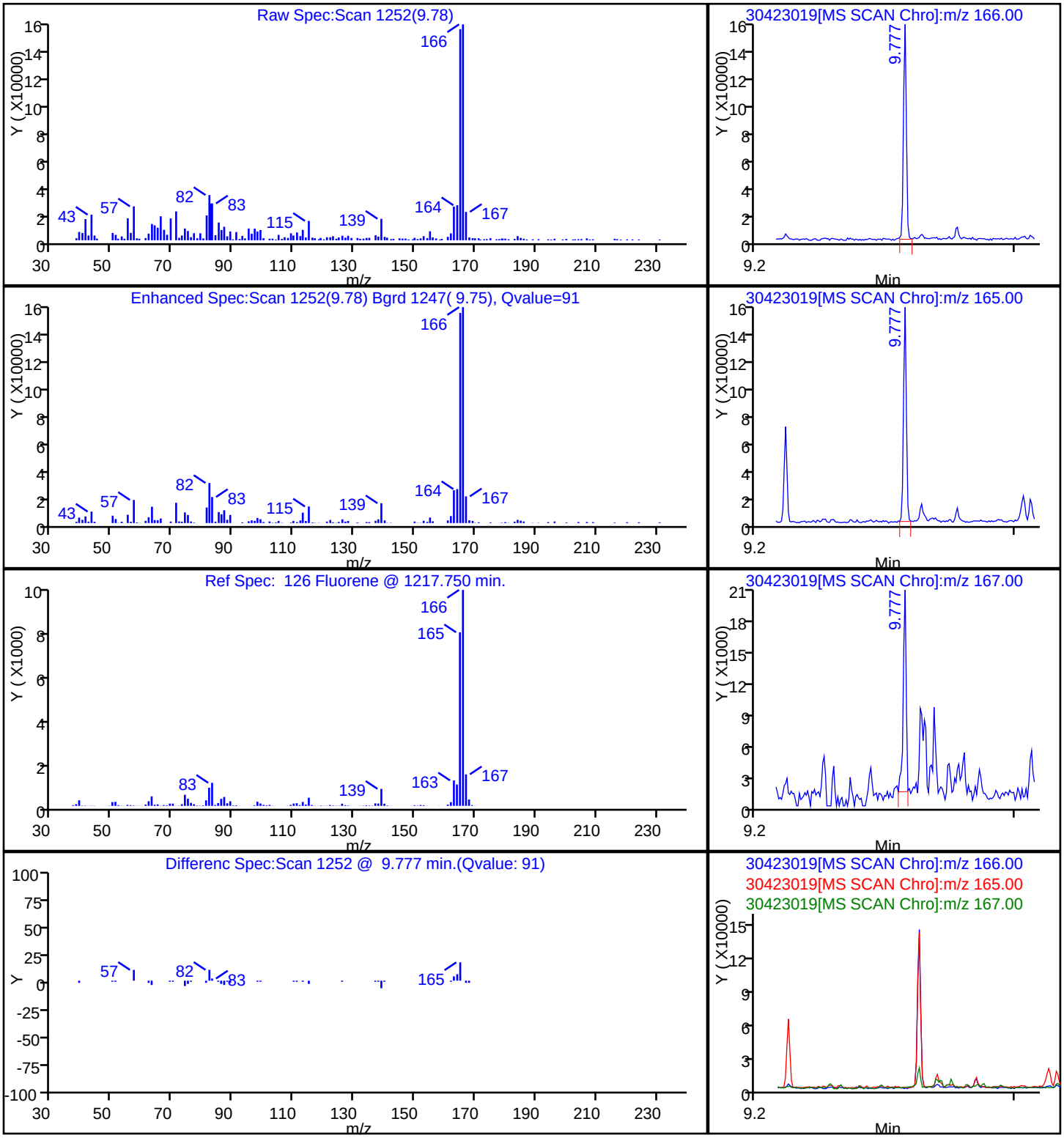
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene



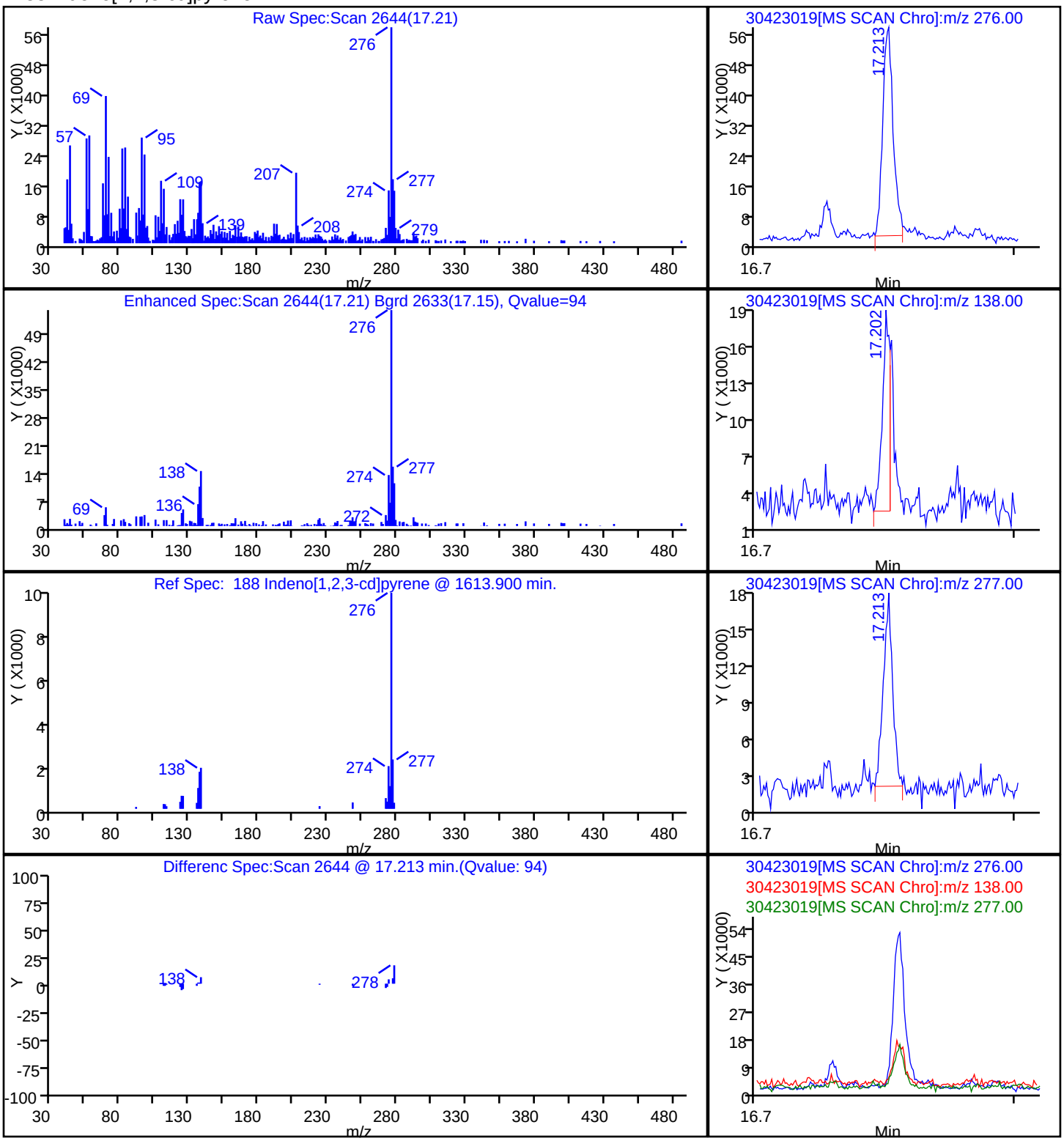
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



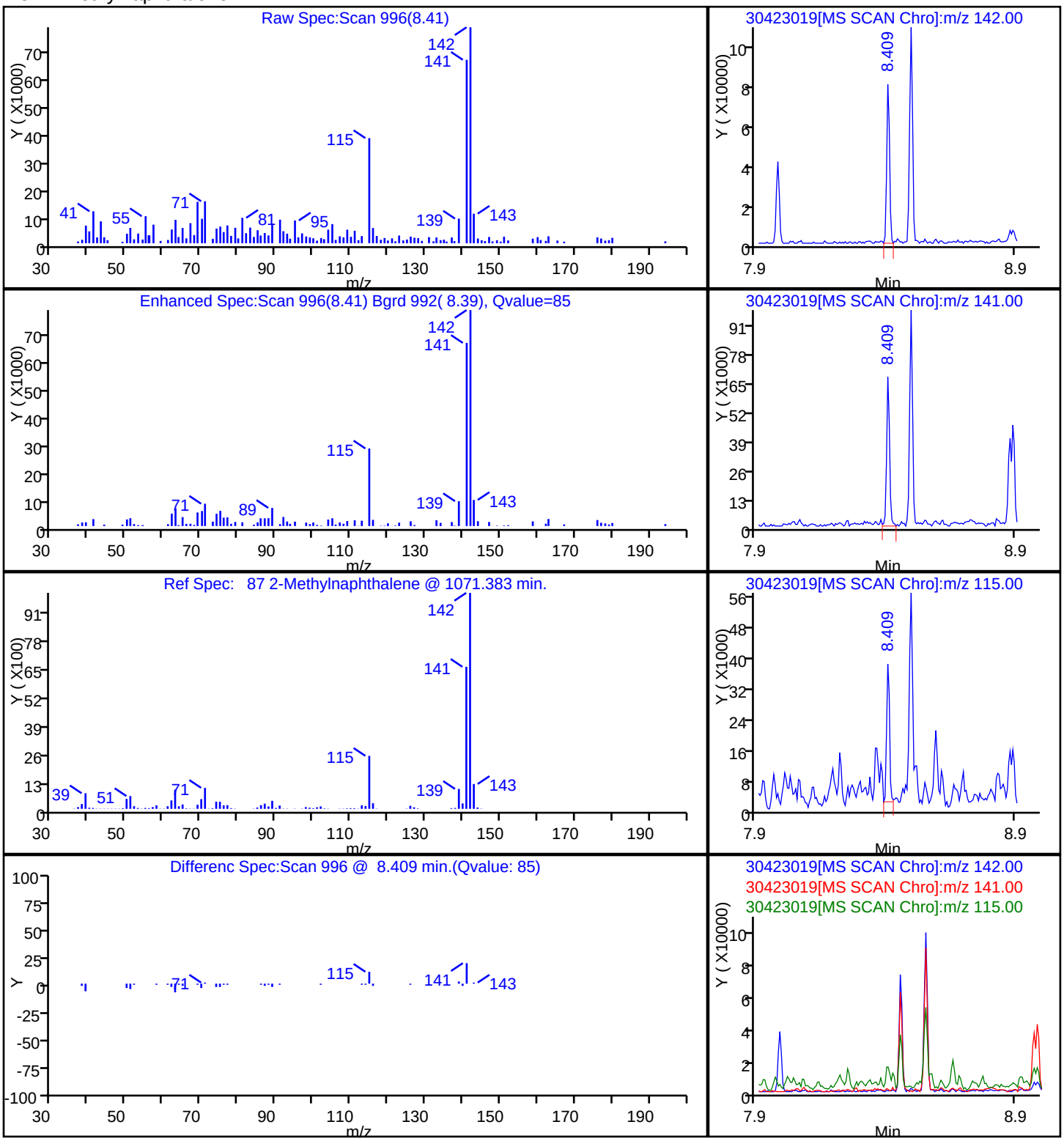
Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



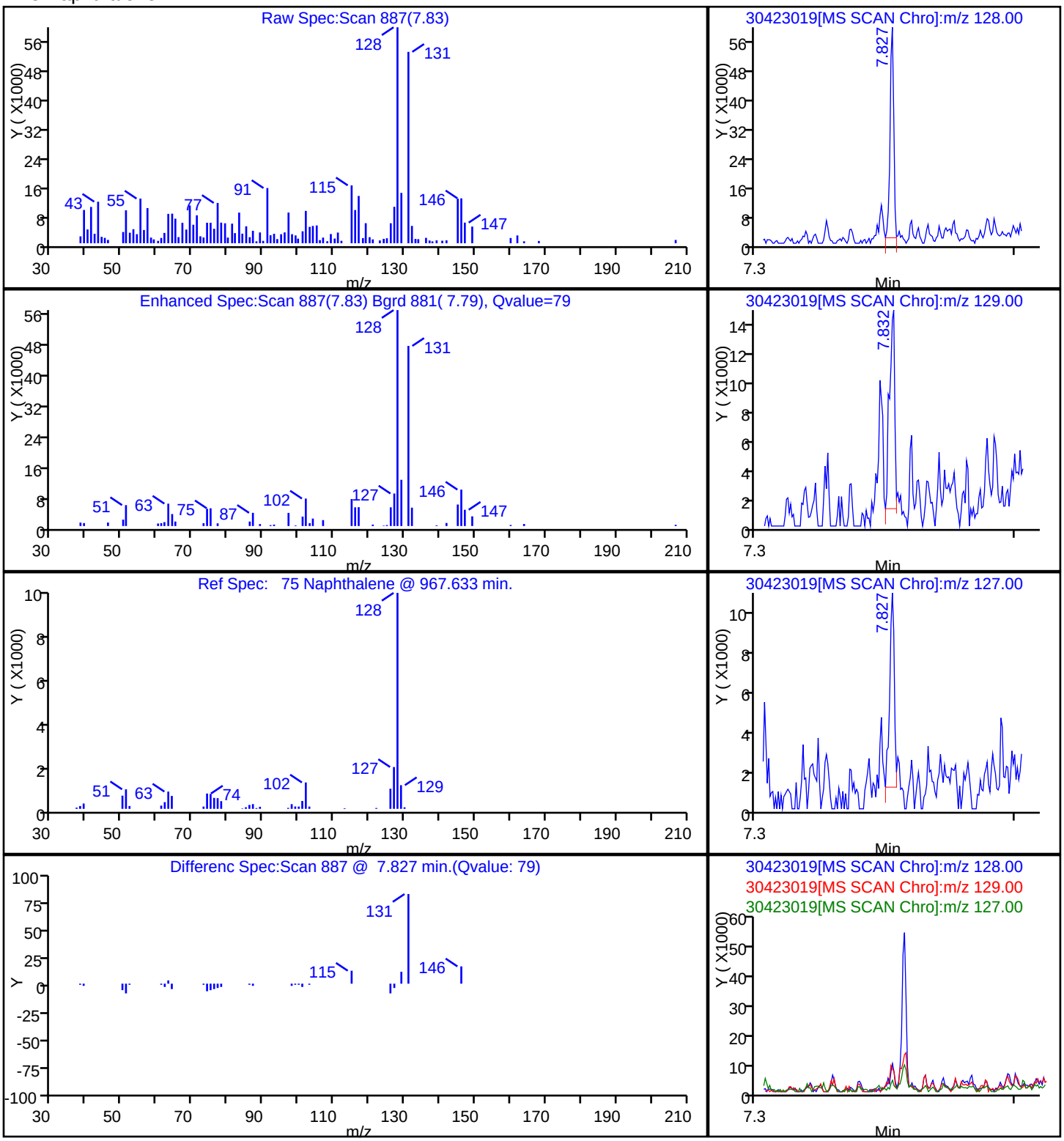
Report Date: 24-Apr-2013 08:46:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



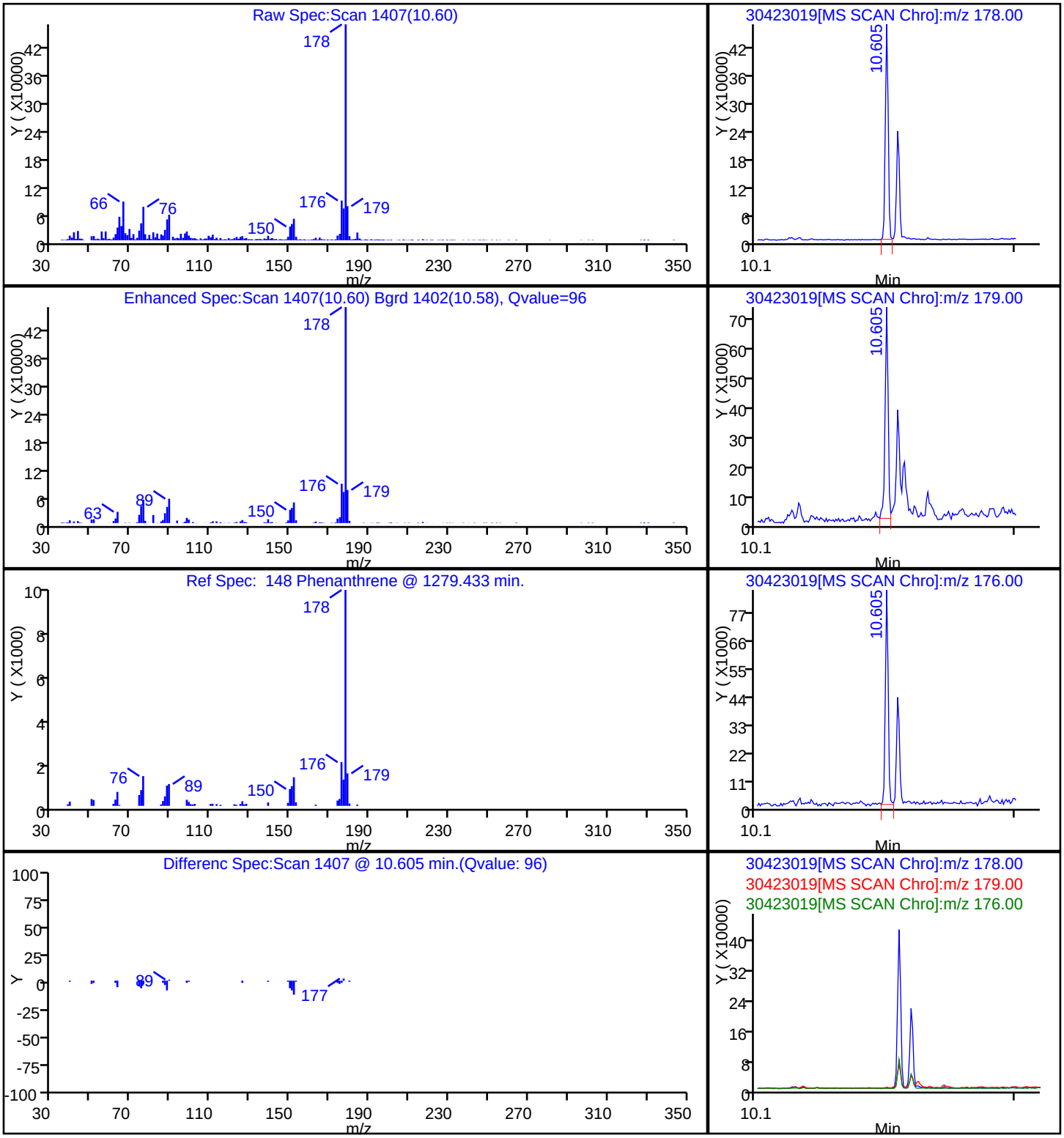
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



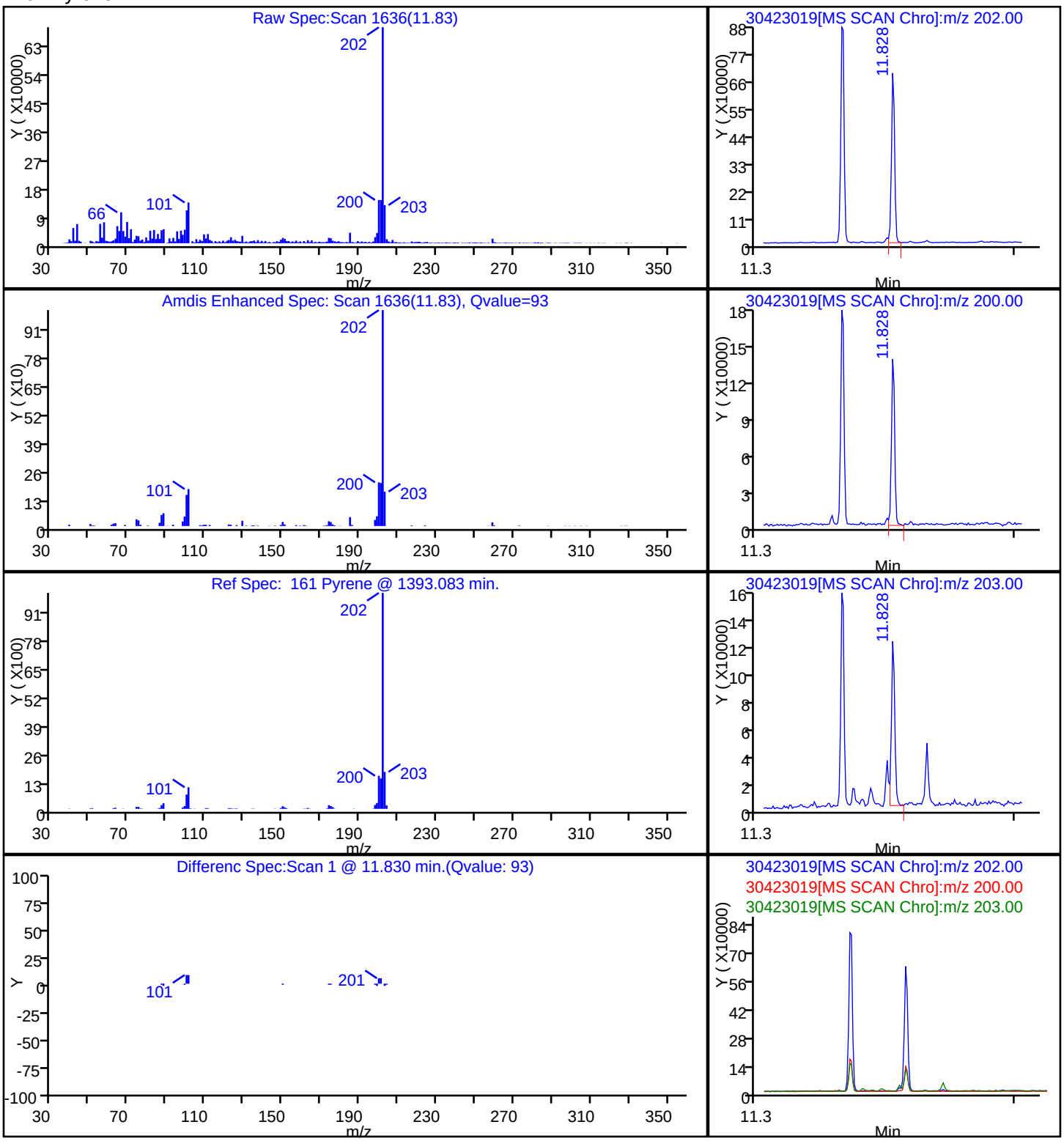
Report Date: 24-Apr-2013 08:46:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D

Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
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

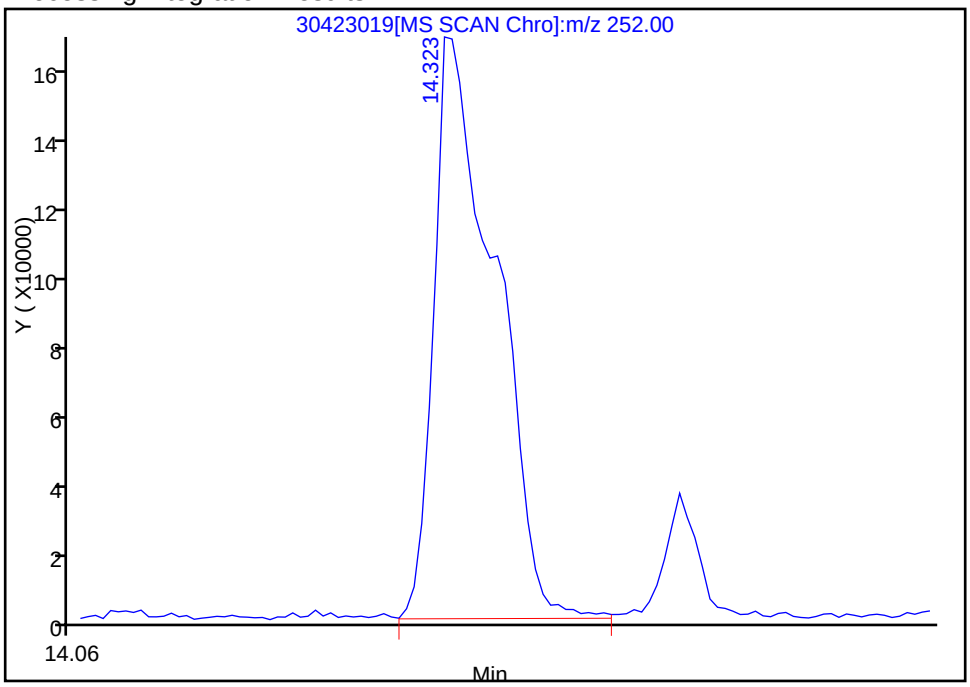
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	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, Signal: 1, m/z: 252.0 Type: quant, RT: 14.33

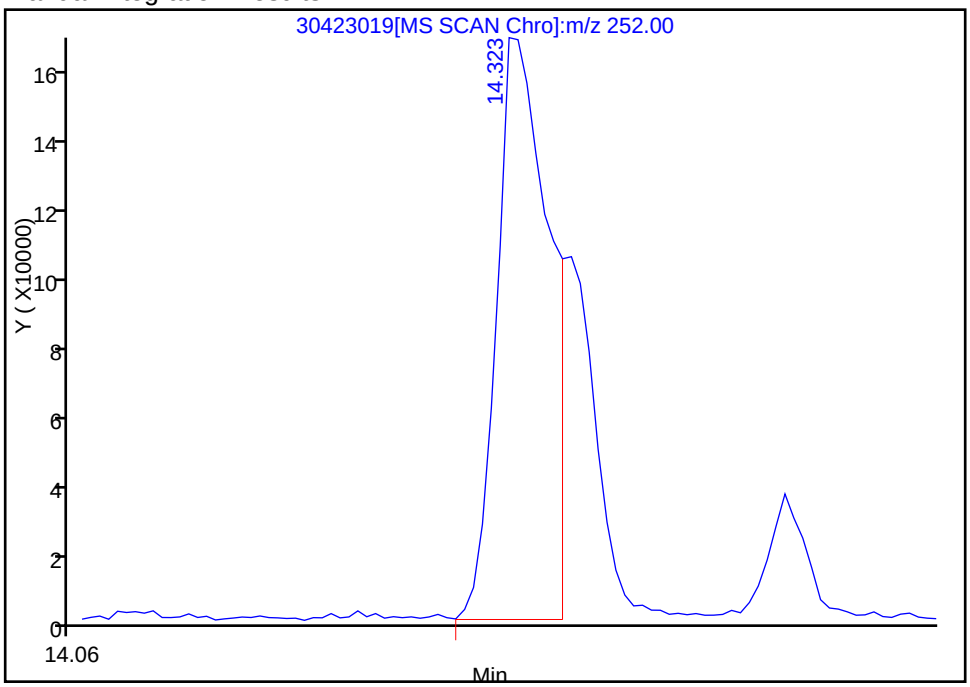
Processing Integration Results

RT: 14.32
Response: 480550
Amount: 2.413860



Manual Integration Results

RT: 14.32
Response: 358378
Amount: 1.800175



Reviewer: ulmanm, 24-Apr-2013 08:22:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

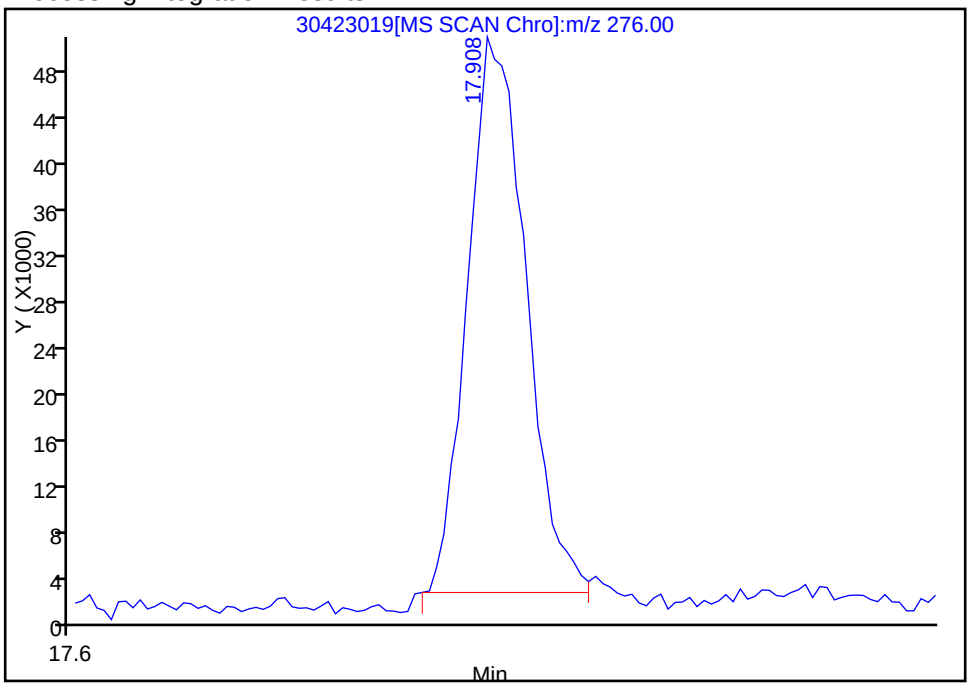
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
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: 17.92

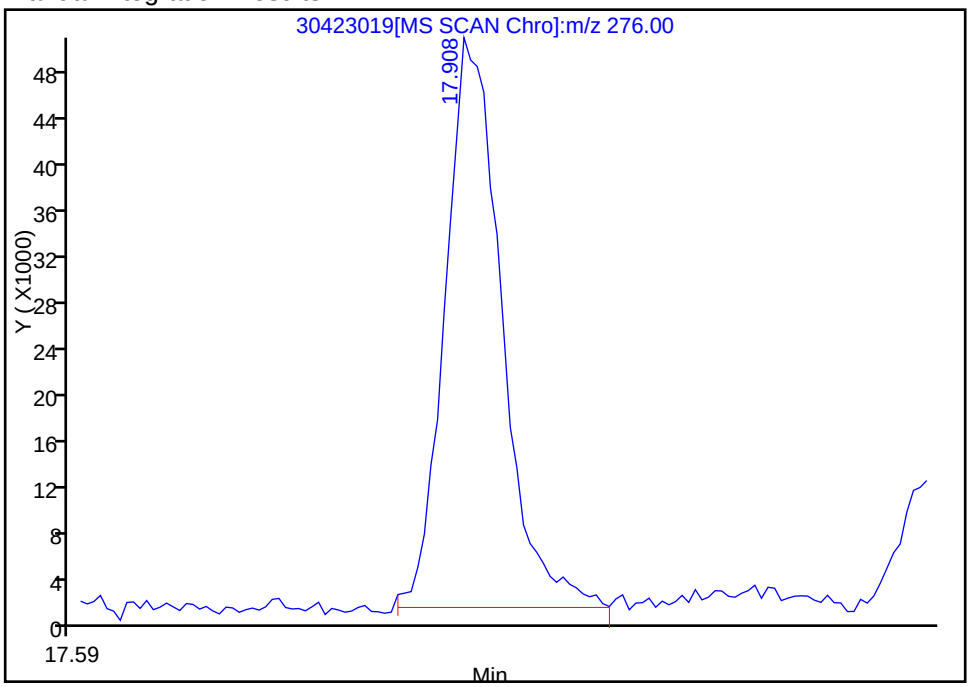
Processing Integration Results

RT: 17.91
Response: 143413
Amount: 0.877182



Manual Integration Results

RT: 17.91
Response: 156463
Amount: 0.957002



Reviewer: ulmanm, 24-Apr-2013 08:22:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

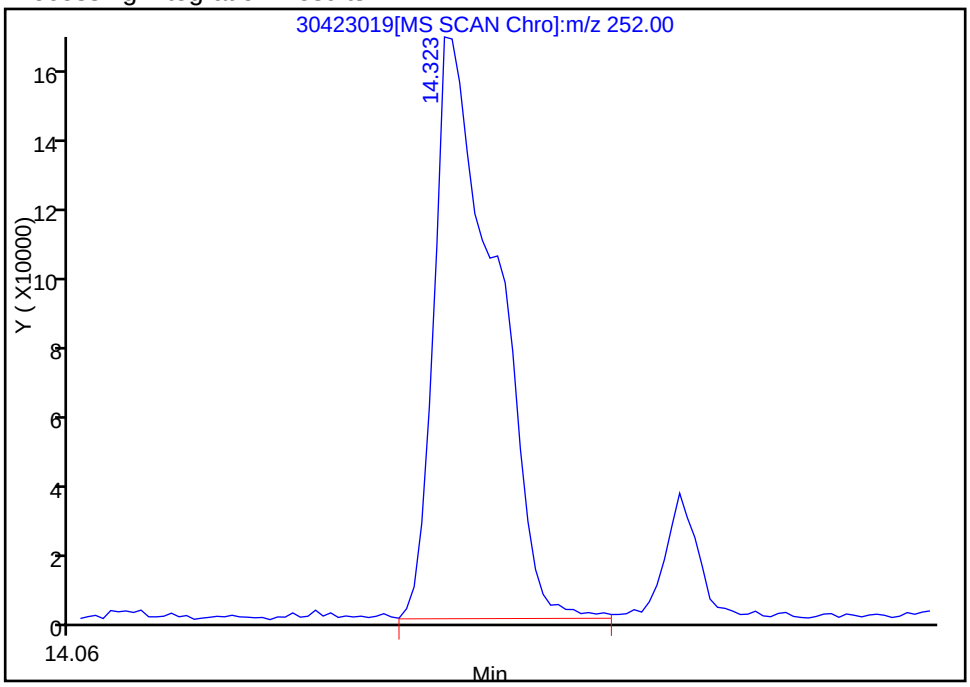
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
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: 14.37

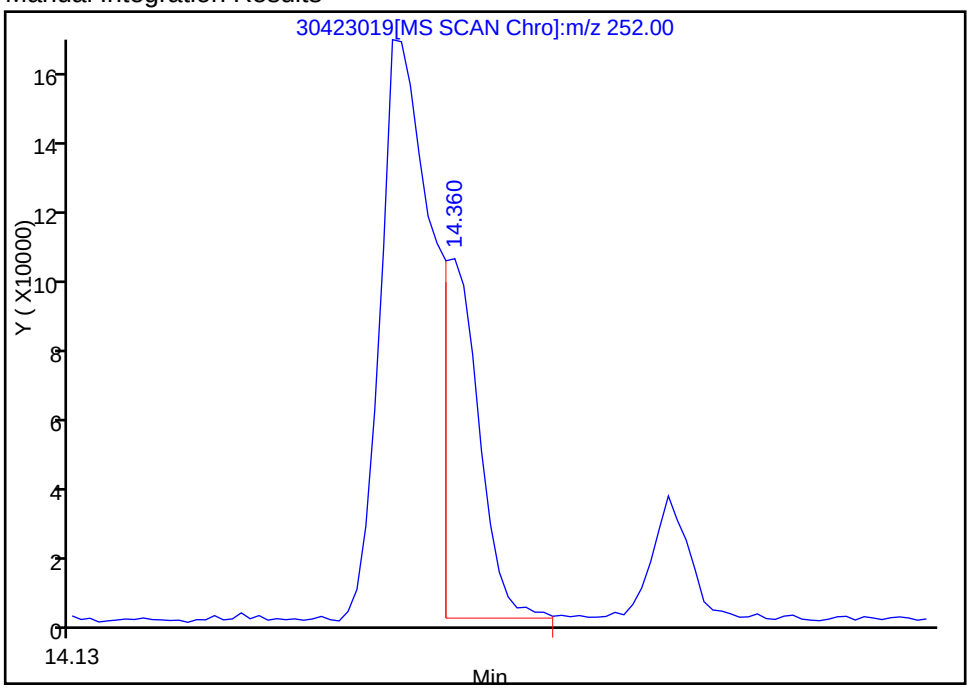
Processing Integration Results

RT: 14.32
Response: 480550
Amount: 2.128449



Manual Integration Results

RT: 14.36
Response: 148993
Amount: 0.659919



Reviewer: ulmanm, 24-Apr-2013 08:22:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

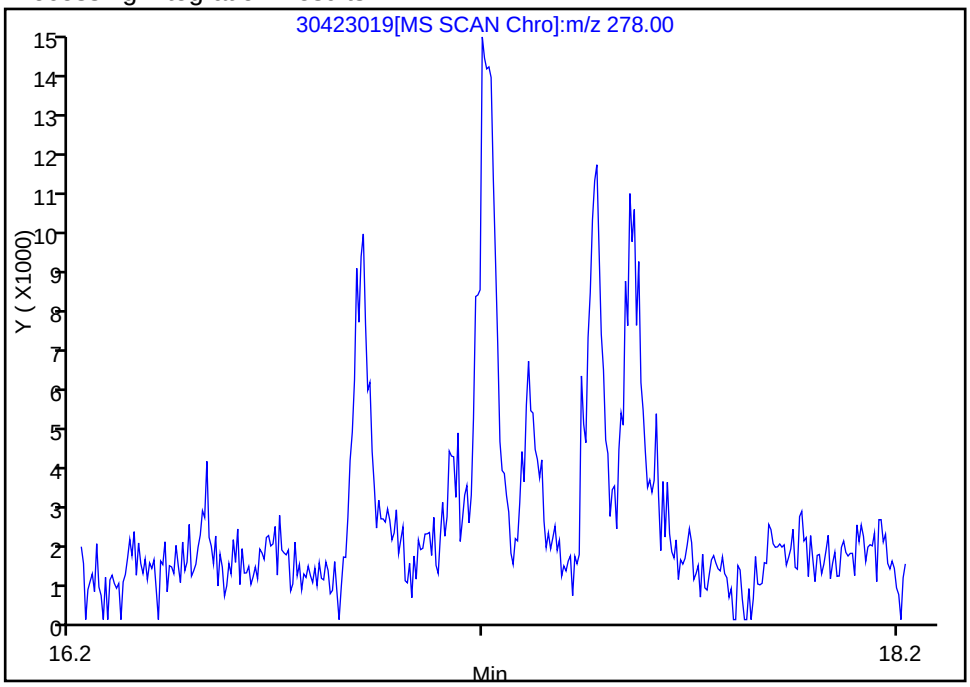
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423019.D		
Injection Date:	23-Apr-2013 17:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	19
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: 17.22

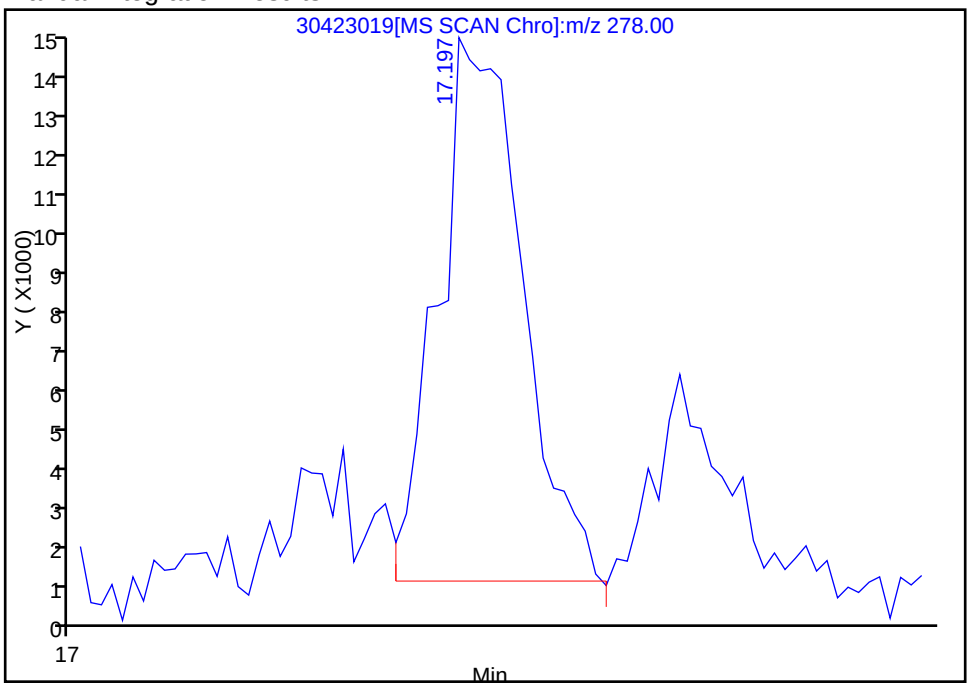
Not Detected
Expected RT: 17.22

Processing Integration Results



Manual Integration Results

RT: 17.20
Response: 39170
Amount: 0.243019



Reviewer: ulmanm, 24-Apr-2013 08:22:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0026-0001-SO | Lab Sample ID: 240-22804-9

Matrix: Solid | Lab File ID: 30423020.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:34

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.16(g) | Date Analyzed: 04/23/2013 17:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	21		8.4	4.2	4.2
208-96-8	Acenaphthylene	4.2	U	8.4	4.2	4.2
120-12-7	Anthracene	48		8.4	4.2	4.2
56-55-3	Benzo[a]anthracene	98		8.4	4.2	4.2
50-32-8	Benzo[a]pyrene	74		8.4	4.2	4.2
205-99-2	Benzo[b]fluoranthene	130	M	8.4	4.2	4.2
191-24-2	Benzo[g,h,i]perylene	63		8.4	4.2	4.2
65-85-0	Benzoic acid	420	U M	830	420	420
207-08-9	Benzo[k]fluoranthene	35	M	8.4	4.2	4.2
100-51-6	Benzyl alcohol	34	U	420	34	26
111-91-1	Bis(2-chloroethoxy)methane	34	U	130	34	28
111-44-4	Bis(2-chloroethyl)ether	4.2	U	130	4.2	2.5
108-60-1	bis (2-chloroisopropyl) ether	34	U	130	34	12
117-81-7	Bis(2-ethylhexyl) phthalate	46	J	88	34	24
101-55-3	4-Bromophenyl phenyl ether	34	U	63	34	16
85-68-7	Butyl benzyl phthalate	34	U	88	34	13
86-74-8	Carbazole	34	U	63	34	34
106-47-8	4-Chloroaniline	34	U	190	34	21
59-50-7	4-Chloro-3-methylphenol	34	U	190	34	26
91-58-7	2-Chloronaphthalene	4.2	U	63	4.2	4.2
95-57-8	2-Chlorophenol	34	U	63	34	34
7005-72-3	4-Chlorophenyl phenyl ether	34	U	63	34	16
218-01-9	Chrysene	110		8.4	4.2	1.4
53-70-3	Dibenz(a,h)anthracene	4.2	U	8.4	4.2	4.2
132-64-9	Dibenzofuran	34	J	63	4.2	4.2
95-50-1	1,2-Dichlorobenzene	34	U	63	34	12
541-73-1	1,3-Dichlorobenzene	34	U	63	34	14
106-46-7	1,4-Dichlorobenzene	34	U	63	34	25
91-94-1	3,3'-Dichlorobenzidine	100	U	130	100	23
120-83-2	2,4-Dichlorophenol	34	U	190	34	25
84-66-2	Diethyl phthalate	34	U	88	34	20
105-67-9	2,4-Dimethylphenol	100	U	190	100	25
131-11-3	Dimethyl phthalate	34	U	88	34	21
84-74-2	Di-n-butyl phthalate	34	J	88	34	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0026-0001-SO | Lab Sample ID: 240-22804-9

Matrix: Solid | Lab File ID: 30423020.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:34

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.16(g) | Date Analyzed: 04/23/2013 17:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	100	U	190	100	100
51-28-5	2,4-Dinitrophenol	100	U	420	100	100
121-14-2	2,4-Dinitrotoluene	34	U	250	34	34
606-20-2	2,6-Dinitrotoluene	34	U	250	34	26
117-84-0	Di-n-octyl phthalate	34	U	88	34	34
206-44-0	Fluoranthene	280		8.4	4.2	4.2
86-73-7	Fluorene	46		8.4	4.2	4.2
118-74-1	Hexachlorobenzene	4.2	U	8.4	4.2	2.6
87-68-3	Hexachlorobutadiene	34	U	63	34	34
77-47-4	Hexachlorocyclopentadiene	34	U	420	34	34
67-72-1	Hexachloroethane	34	U	63	34	11
193-39-5	Indeno[1,2,3-cd]pyrene	53		8.4	4.2	4.2
78-59-1	Isophorone	34	U	63	34	16
91-57-6	2-Methylnaphthalene	9.7		8.4	4.2	4.2
95-48-7	2-Methylphenol	100	U	250	100	100
15831-10-4	3 & 4 Methylphenol	100	U	500	100	25
91-20-3	Naphthalene	10		8.4	4.2	4.2
88-74-4	2-Nitroaniline	34	U	250	34	11
99-09-2	3-Nitroaniline	100	U	250	100	20
100-01-6	4-Nitroaniline	34	U	250	34	33
98-95-3	Nitrobenzene	4.2	U	130	4.2	2.8
88-75-5	2-Nitrophenol	34	U	63	34	34
100-02-7	4-Nitrophenol	100	U	420	100	100
621-64-7	N-Nitrosodi-n-propylamine	34	U	63	34	34
86-30-6	N-Nitrosodiphenylamine	34	U	63	34	26
87-86-5	Pentachlorophenol	100	U	190	100	100
85-01-8	Phenanthrene	79		8.4	4.2	4.2
108-95-2	Phenol	34	U	63	34	34
129-00-0	Pyrene	240		8.4	4.2	4.2
120-82-1	1,2,4-Trichlorobenzene	34	U	63	34	34
95-95-4	2,4,5-Trichlorophenol	34	U	190	34	32
88-06-2	2,4,6-Trichlorophenol	100	U	190	100	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0026-0001-SO | Lab Sample ID: 240-22804-9

Matrix: Solid | Lab File ID: 30423020.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 11:34

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.16(g) | Date Analyzed: 04/23/2013 17:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	58		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	70		35-125

Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D
Lims ID: 240-22804-B-9-A Client ID: 074SB-0026-0001-SO
Inject. Date: 23-Apr-2013 17:36:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-020
Misc. Info.: 240-22804-B-9-A =240-22804-B-9-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 83126 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:24:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	92	150394	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	99	621710	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	78	366598	4.00	
* 4 Phenanthrene-d10	188	10.583	10.588	-0.005	94	665027	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	77	793031	4.00	
* 6 Perylene-d12	264	14.969	14.969	0.0	86	754848	4.00	
$ 7 2-Fluorophenol	112	5.508	5.486	0.022	94	618150	10.1	
$ 8 Phenol-d5	99	6.330	6.320	0.010	91	861356	10.5	
$ 9 Nitrobenzene-d5	82	7.164	7.169	-0.005	85	565347	6.17	
$ 10 2-Fluorobiphenyl (Surr)	172	8.702	8.702	0.0	99	712774	6.53	
$ 11 2,4,6-Tribromophenol	330	9.979	9.984	-0.005	81	123645	10.4	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	99	822078	5.78	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					9
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					
61 Hexachloroethane	117		7.158					9
62 Nitrobenzene	77		7.185					9
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					9
66 2-Nitrophenol	139		7.463					9
71 Benzoic acid	122	7.474	7.506	-0.032	79	12753	1.81	M
70 Bis(2-chloroethoxy)methane	93		7.532					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					9
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128	7.826	7.826	0.0	56	18174	0.1209	
76 4-Chloroaniline	127		7.837					9
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					9
87 2-Methylnaphthalene	142	8.408	8.414	-0.006	68	10971	0.1157	
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					9
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					9
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153	9.343	9.343	0.0	82	22183	0.2495	
114 2,4-Dinitrotoluene	165		9.429					
116 Dibenzofuran	168	9.482	9.482	0.0	87	51353	0.4005	
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166	9.776	9.776	0.0	90	55443	0.5515	
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
139 4-Bromophenyl phenyl ether	248		10.166					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178	10.604	10.604	0.0	97	154479	0.9414	
149 Anthracene	178	10.652	10.652	0.0	90	93157	0.5741	
151 Carbazole	167		10.759					
154 Di-n-butyl phthalate	149	10.978	10.978	0.0	57	16264	0.3999	
159 Fluoranthene	202	11.635	11.624	0.011	98	653431	3.31	
161 Pyrene	202	11.833	11.833	0.0	94	506858	2.90	
168 Butyl benzyl phthalate	149		12.271					
173 Bis(2-ethylhexyl) phthalate	149	12.784	12.784	0.0	82	58525	0.5478	
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228	12.928	12.933	-0.005	95	218828	1.17	
178 Chrysene	228	12.976	12.976	0.0	89	232969	1.29	
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252	14.328	14.328	0.0	89	298261	1.53	M
183 Benzo[k]fluoranthene	252	14.365	14.370	-0.005	92	93234	0.4214	M
184 Benzo[a]pyrene	252	14.878	14.878	0.0	71	167730	0.8771	
189 Dibenz(a,h)anthracene	278		17.223					9
188 Indeno[1,2,3-cd]pyrene	276	17.218	17.223	-0.005	81	121236	0.6248	
190 Benzo[g,h,i]perylene	276	17.907	17.917	-0.010	80	120717	0.7535	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

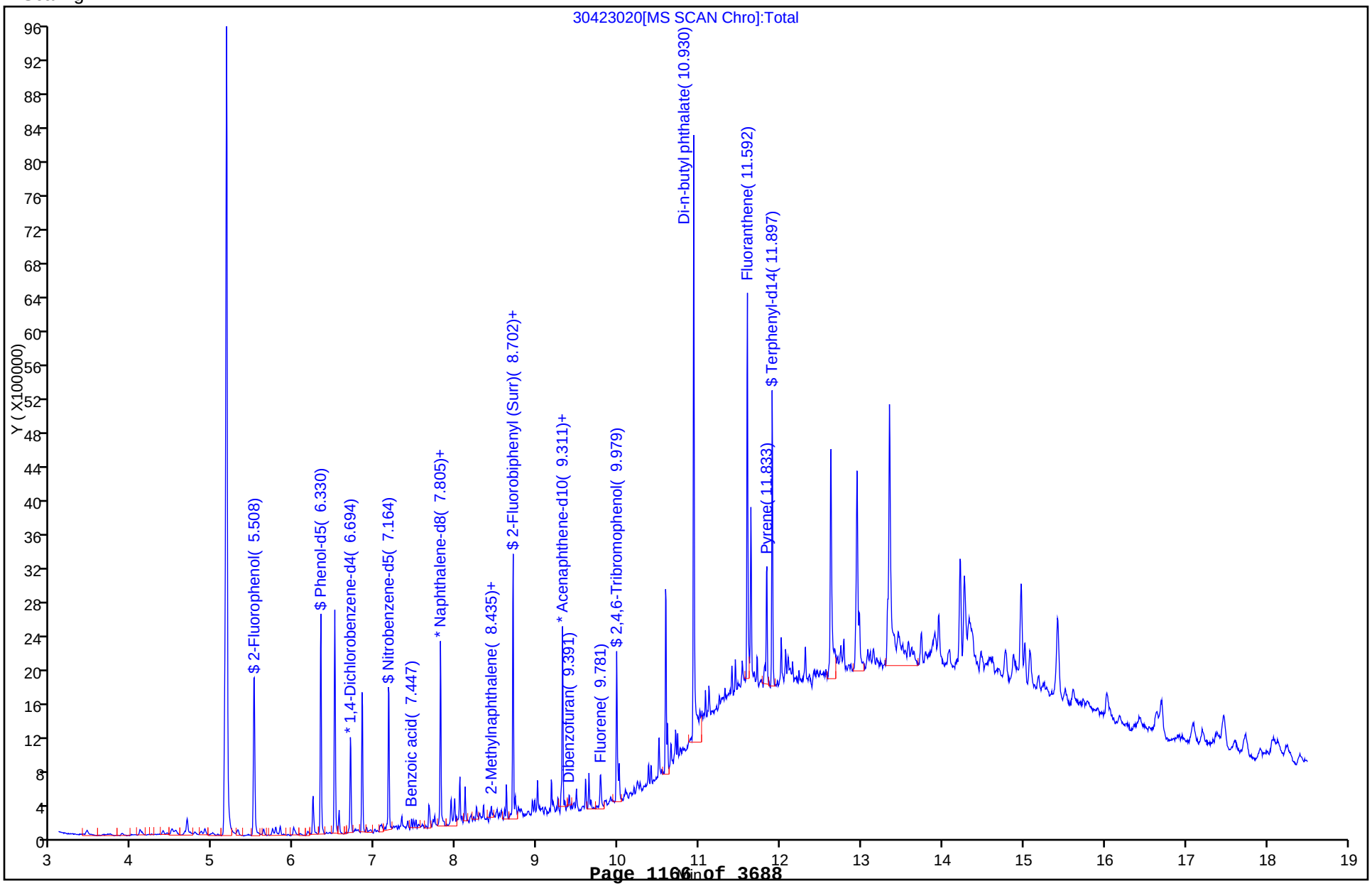
Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D

Injection Date:	23-Apr-2013 17:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D

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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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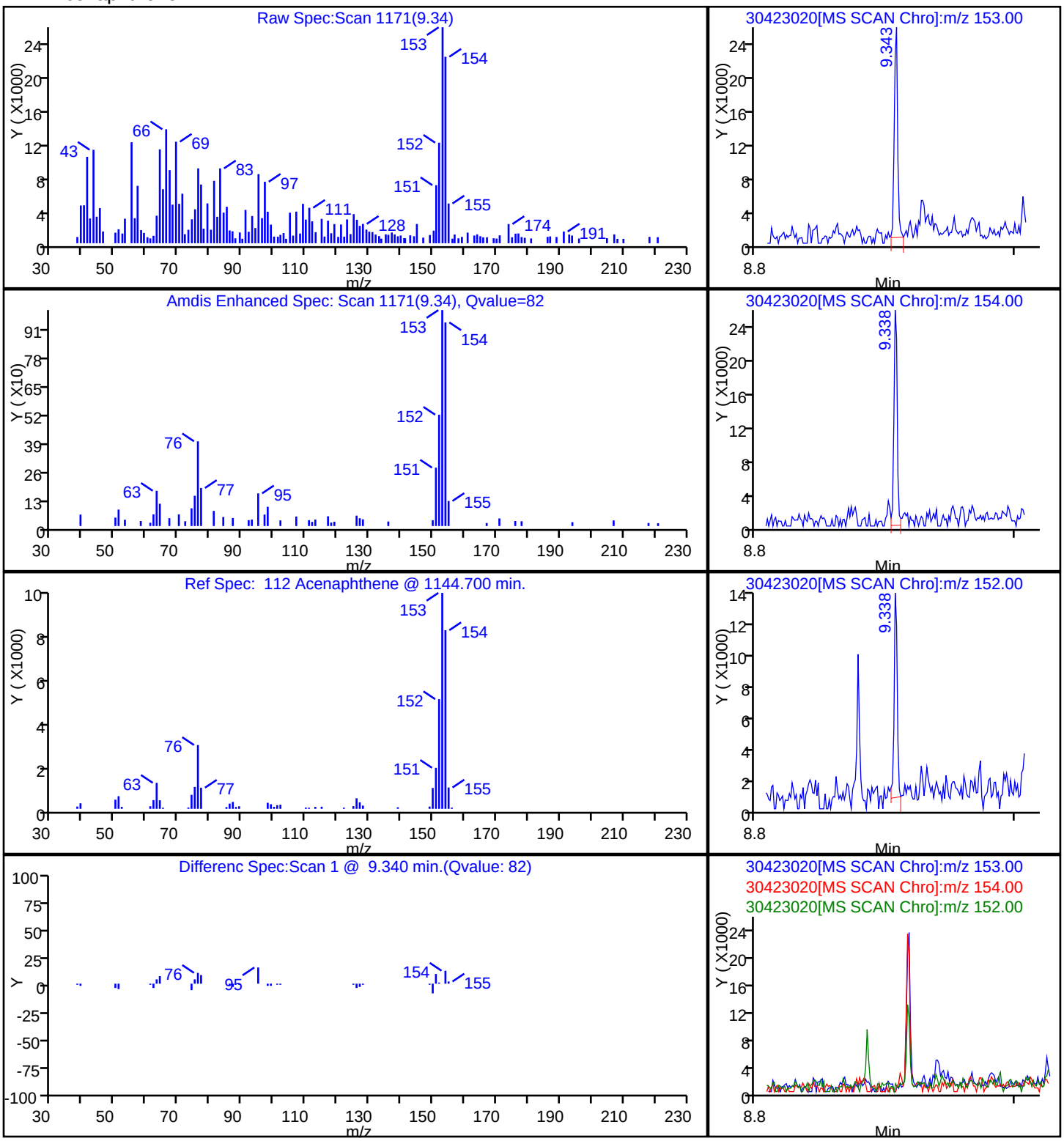
112 Acenaphthene



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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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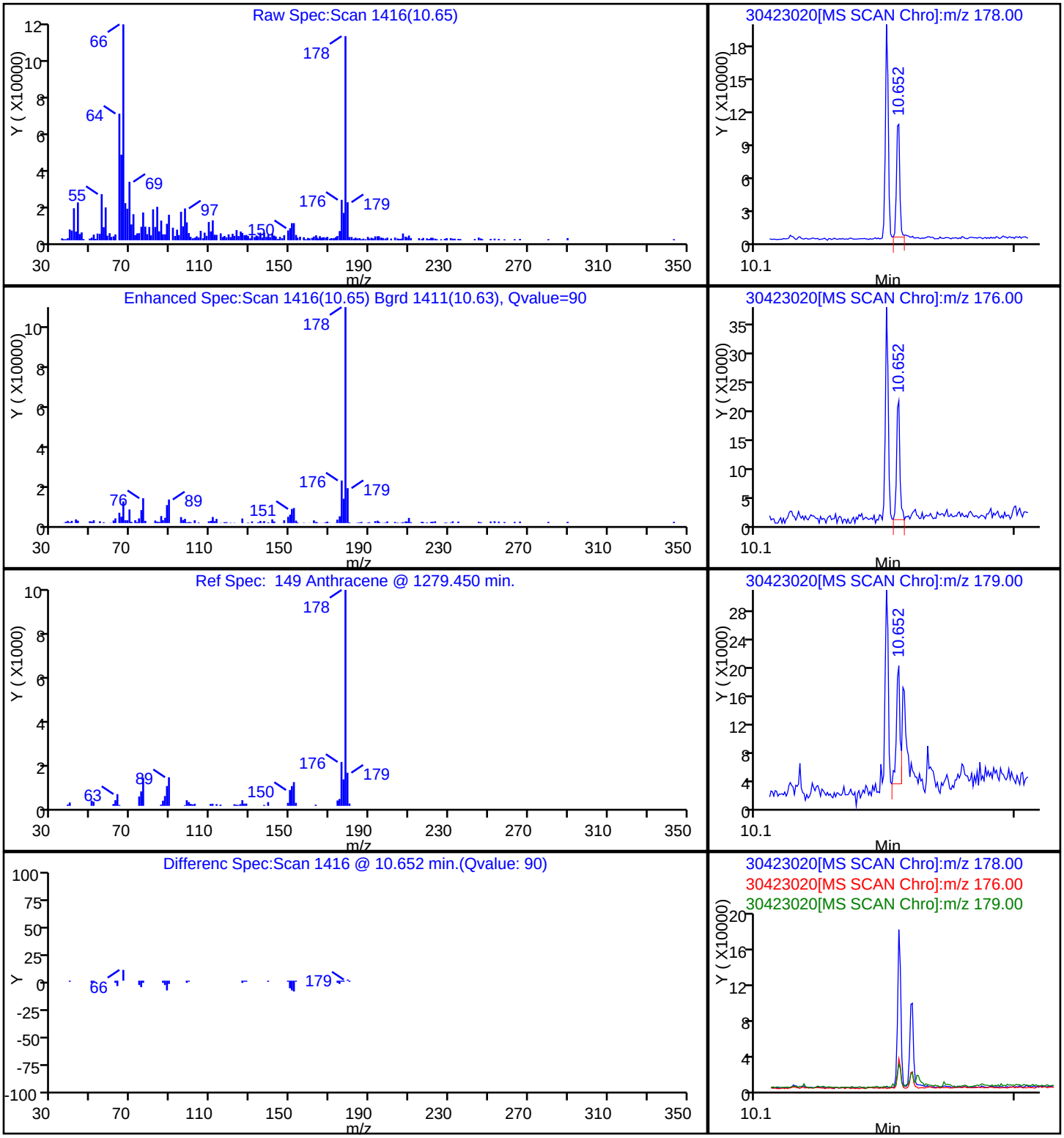
149 Anthracene



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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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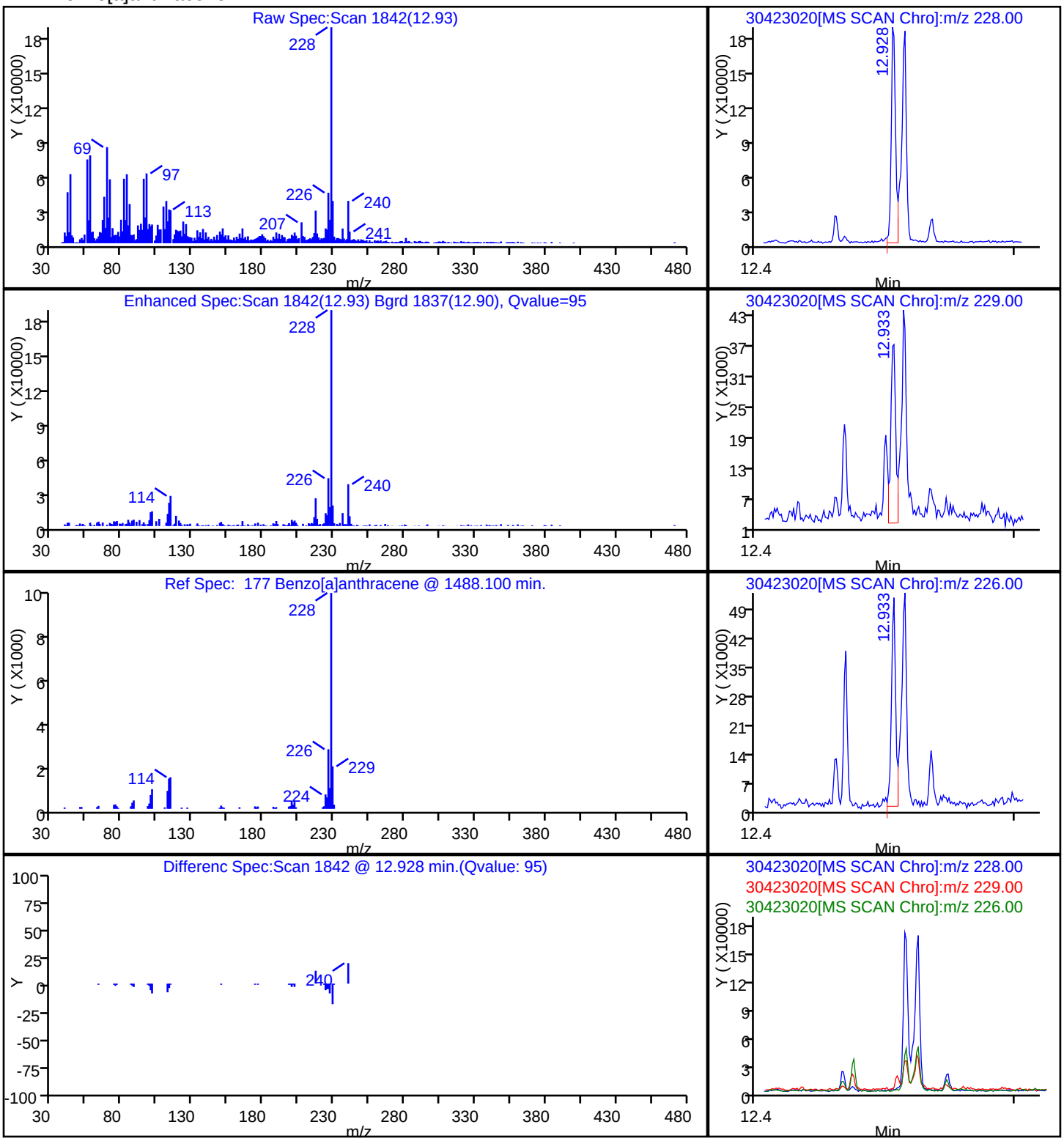
177 Benzo[a]anthracene



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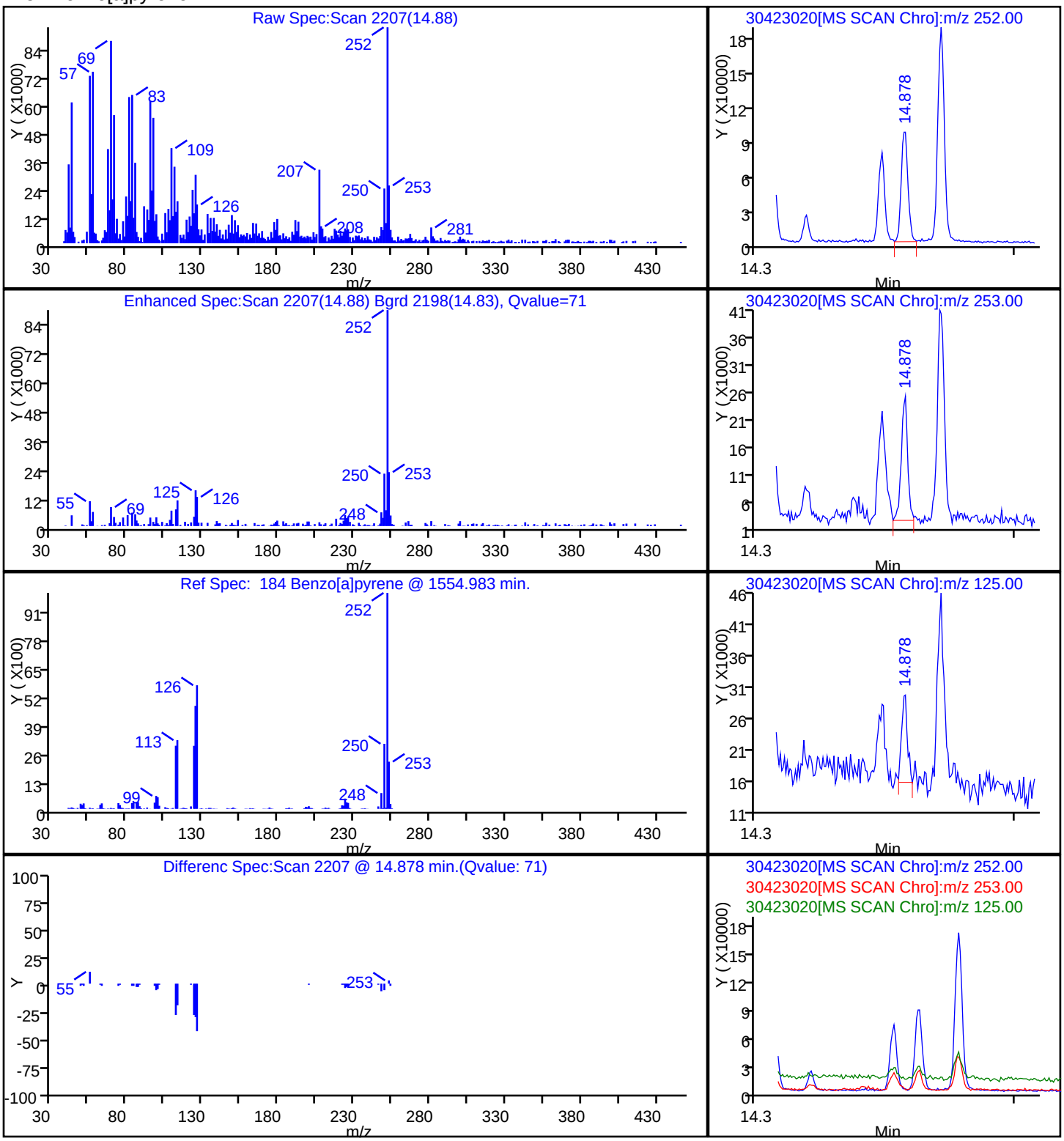
Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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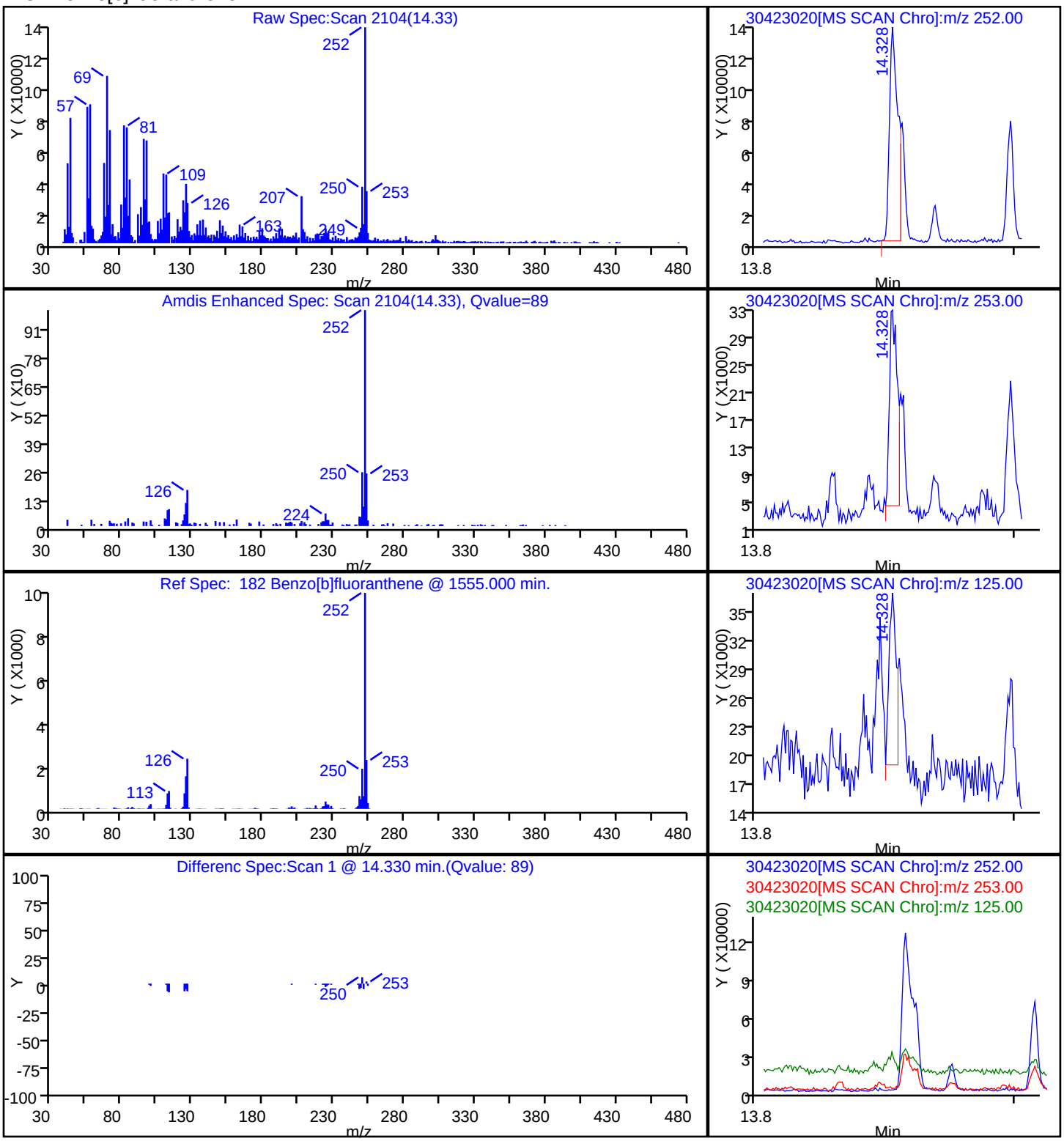
182 Benzo[b]fluoranthene



Report Date: 24-Apr-2013 08:46:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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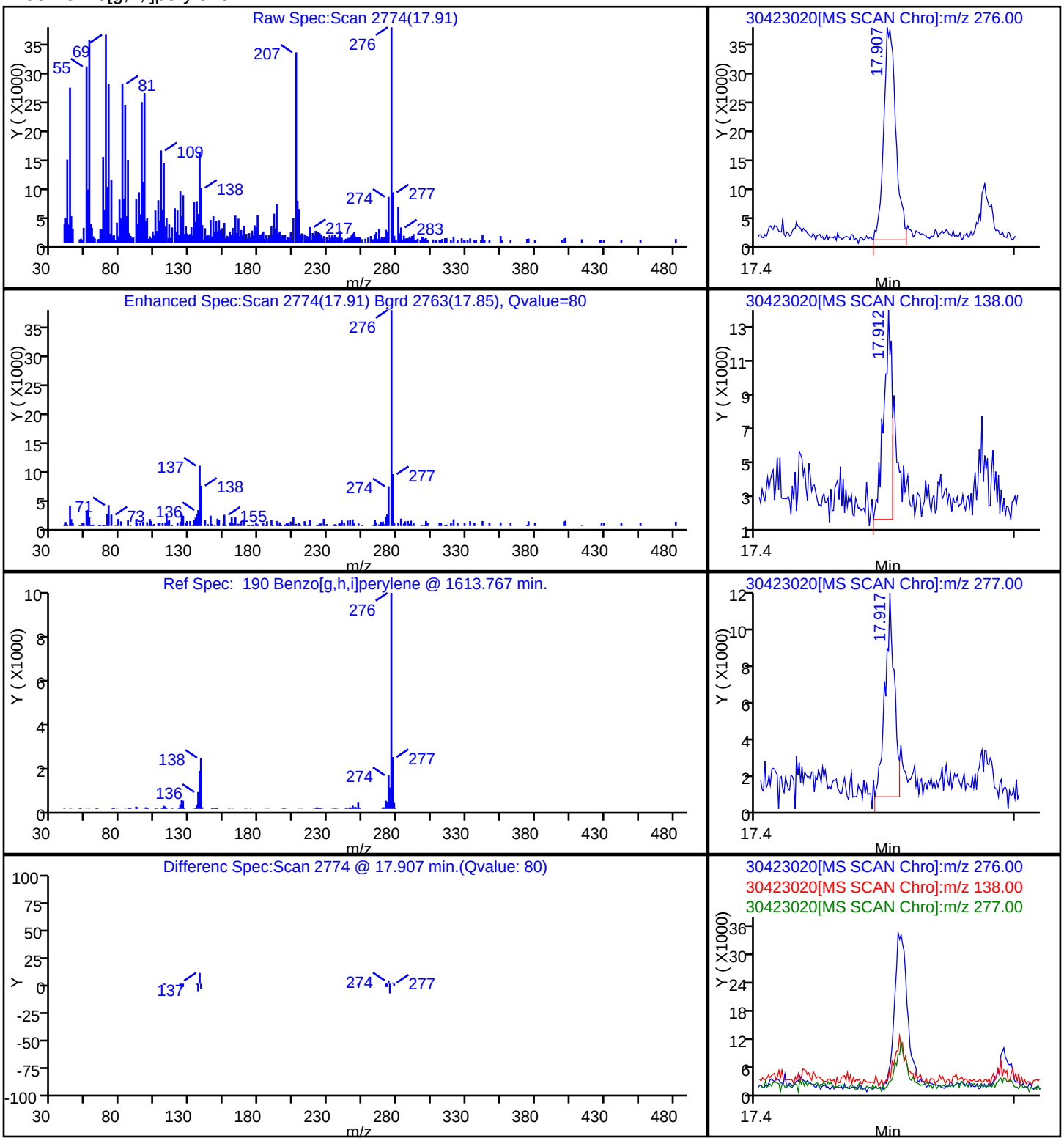
Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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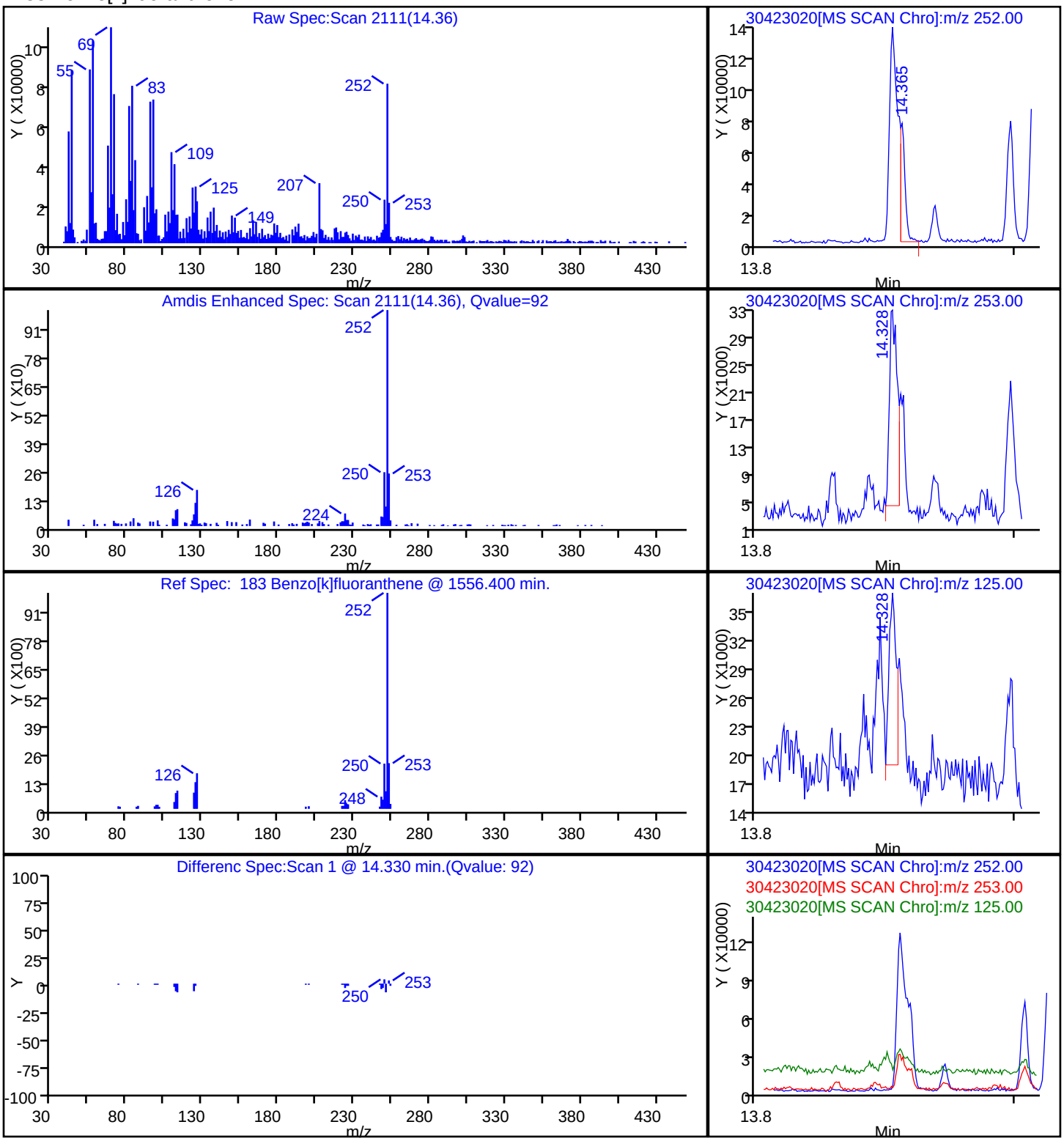
Client ID:	074SB-0026-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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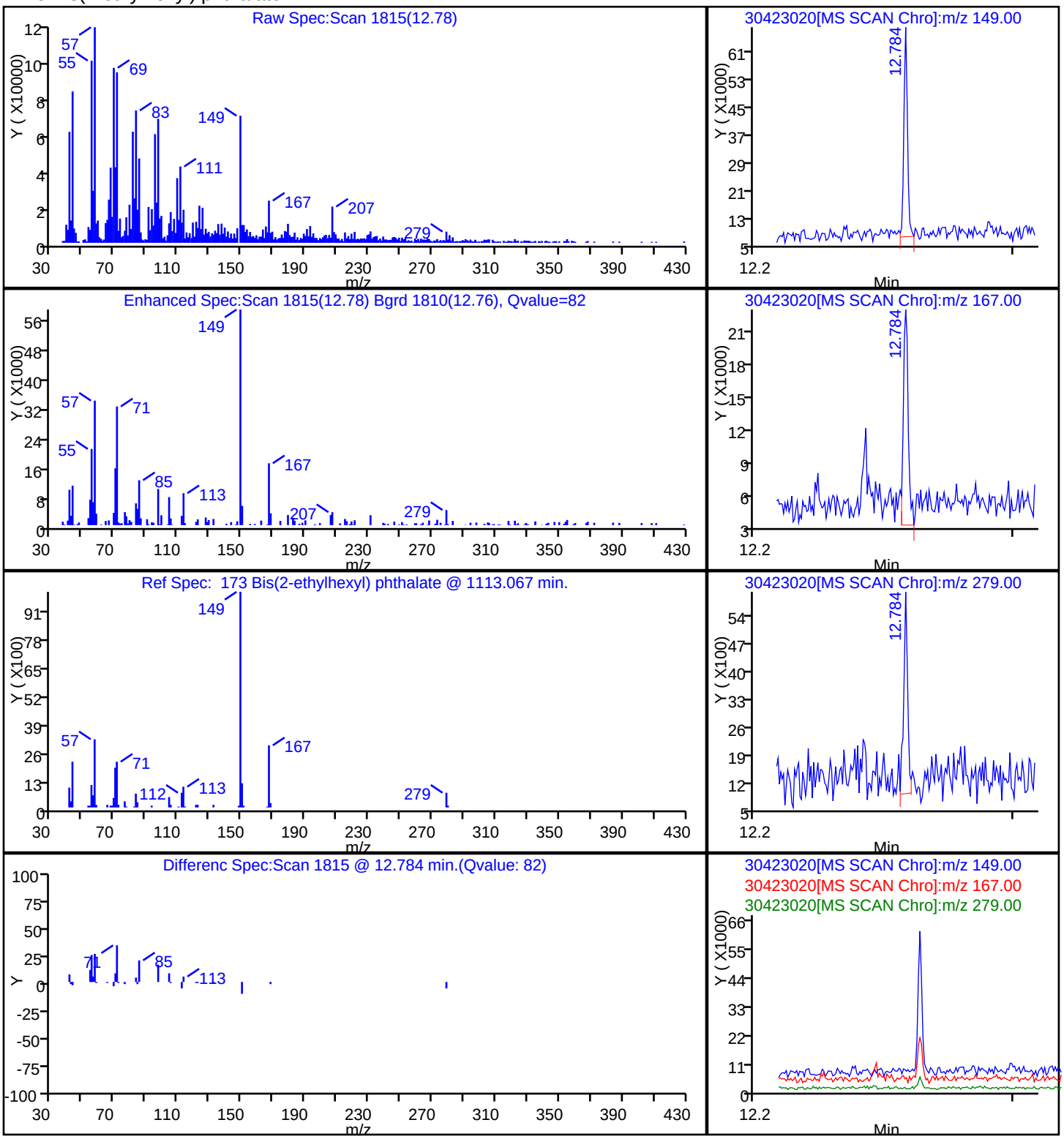
173 Bis(2-ethylhexyl) phthalate



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TestAmerica Canton

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Operator ID:	001574	Injection Vol:	1.0 ul
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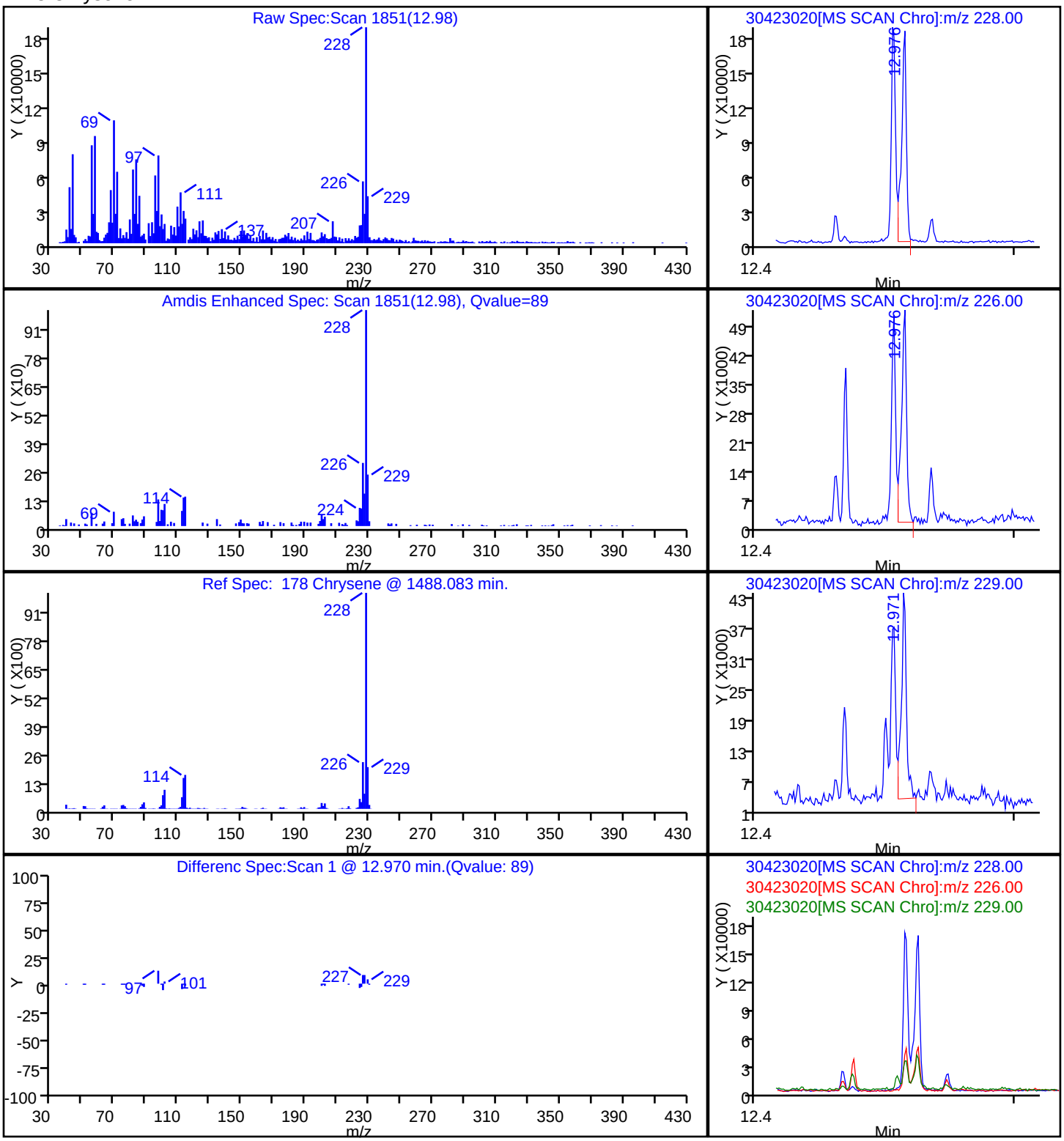
178 Chrysene



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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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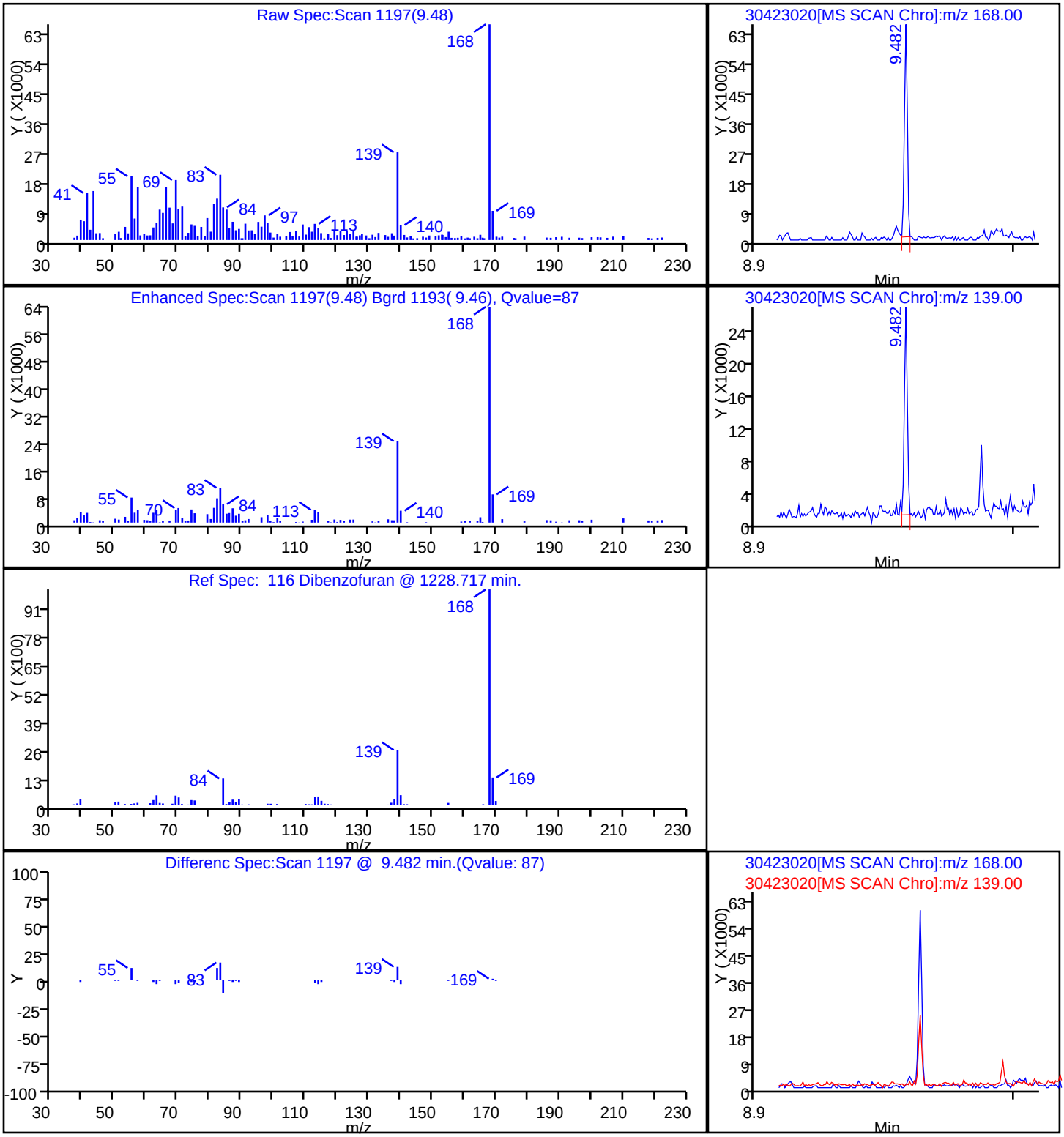
116 Dibenzofuran



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Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
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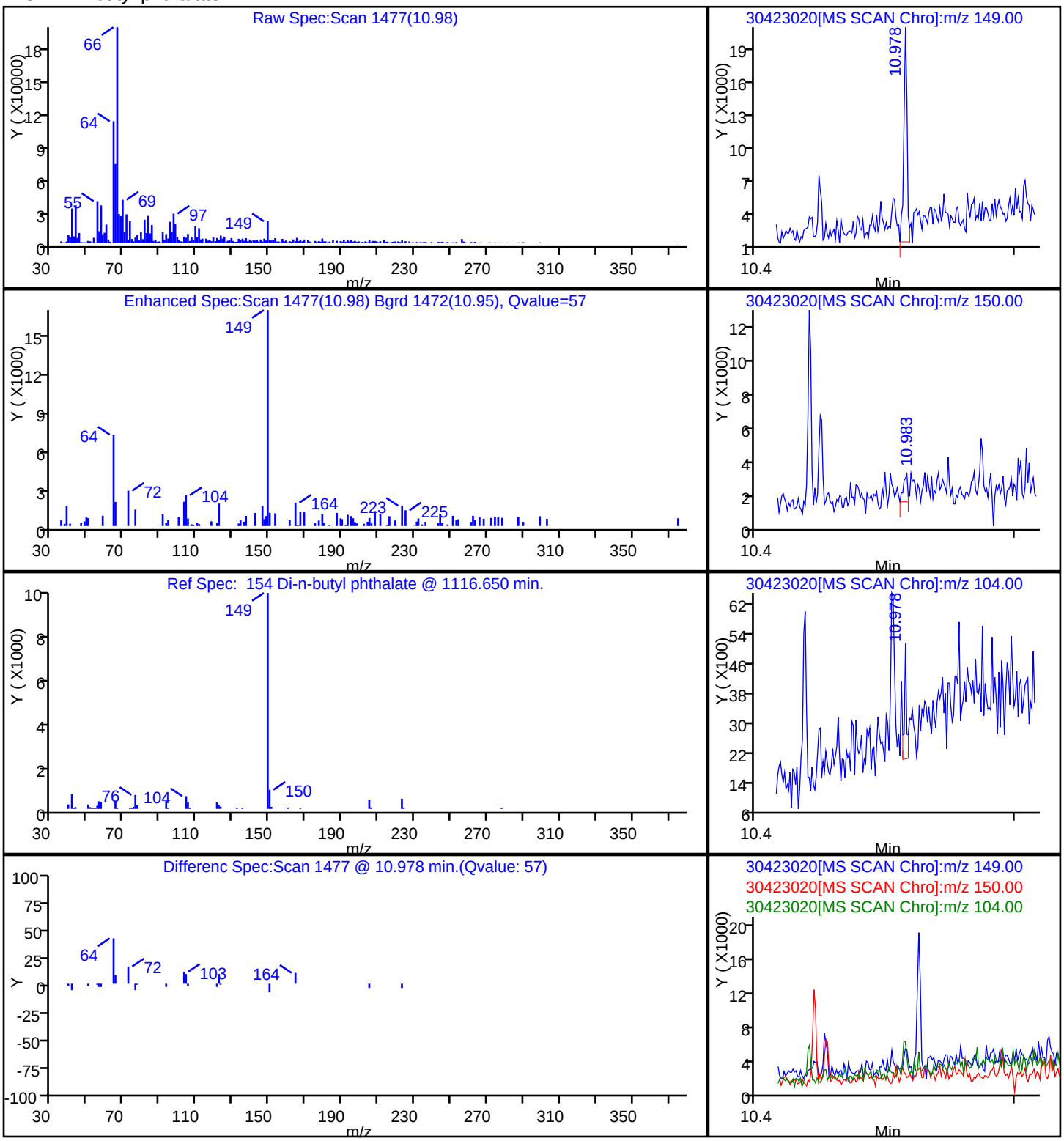
154 Di-n-butyl phthalate



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Operator ID:	001574	Injection Vol:	1.0 ul
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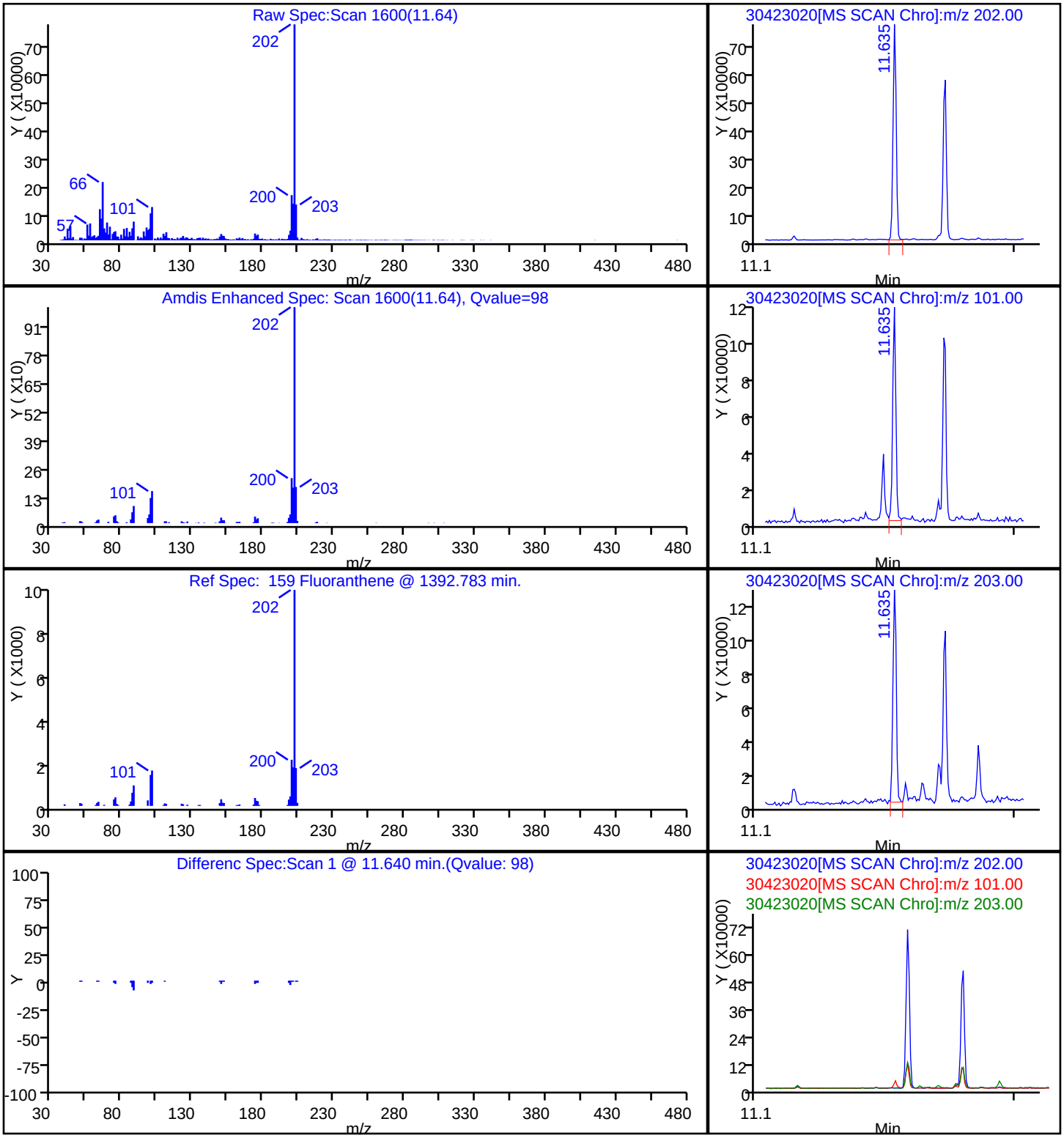
159 Fluoranthene



Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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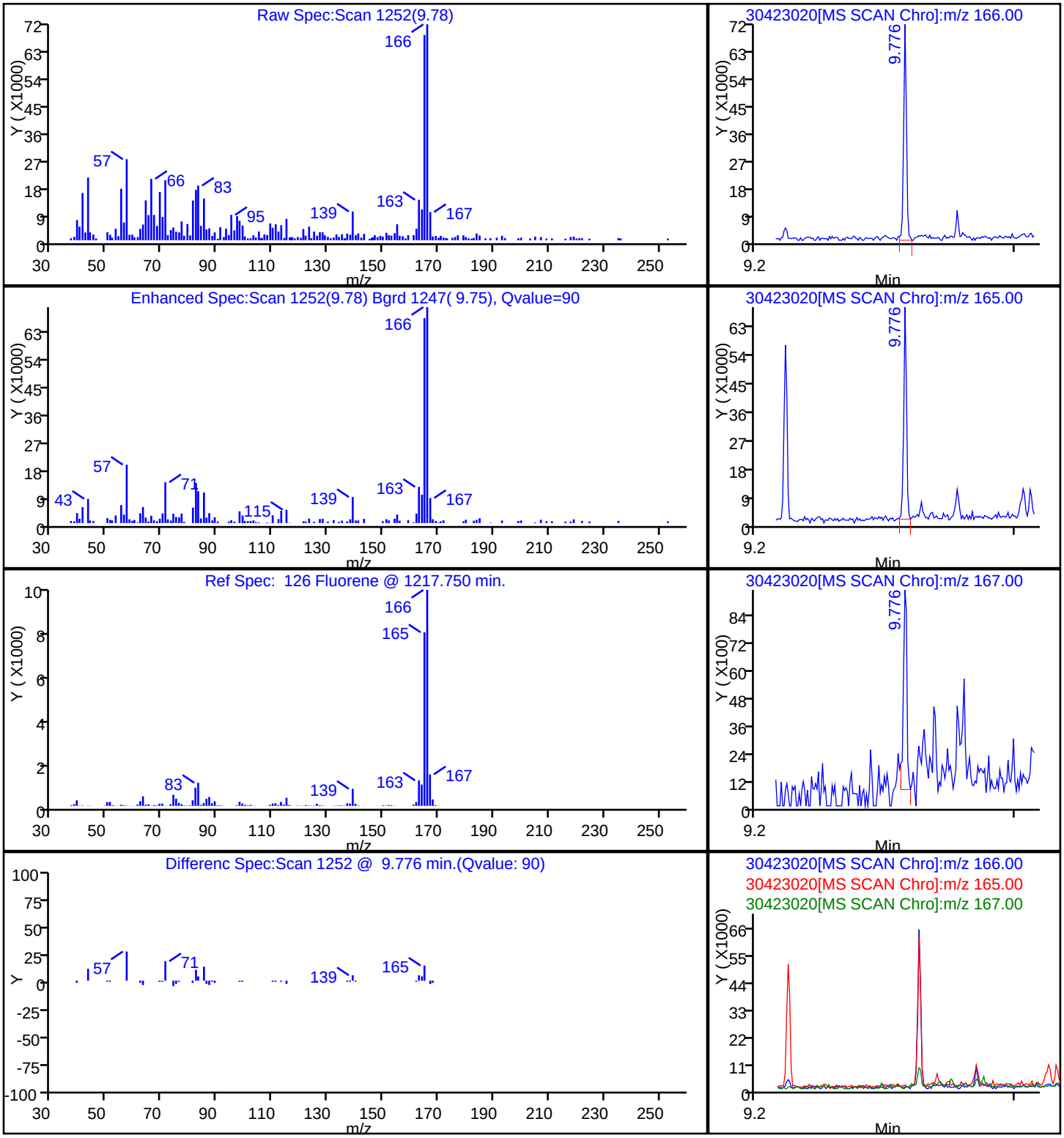
126 Fluorene



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Lims Batch ID:	83126	Lims Sample ID:	20
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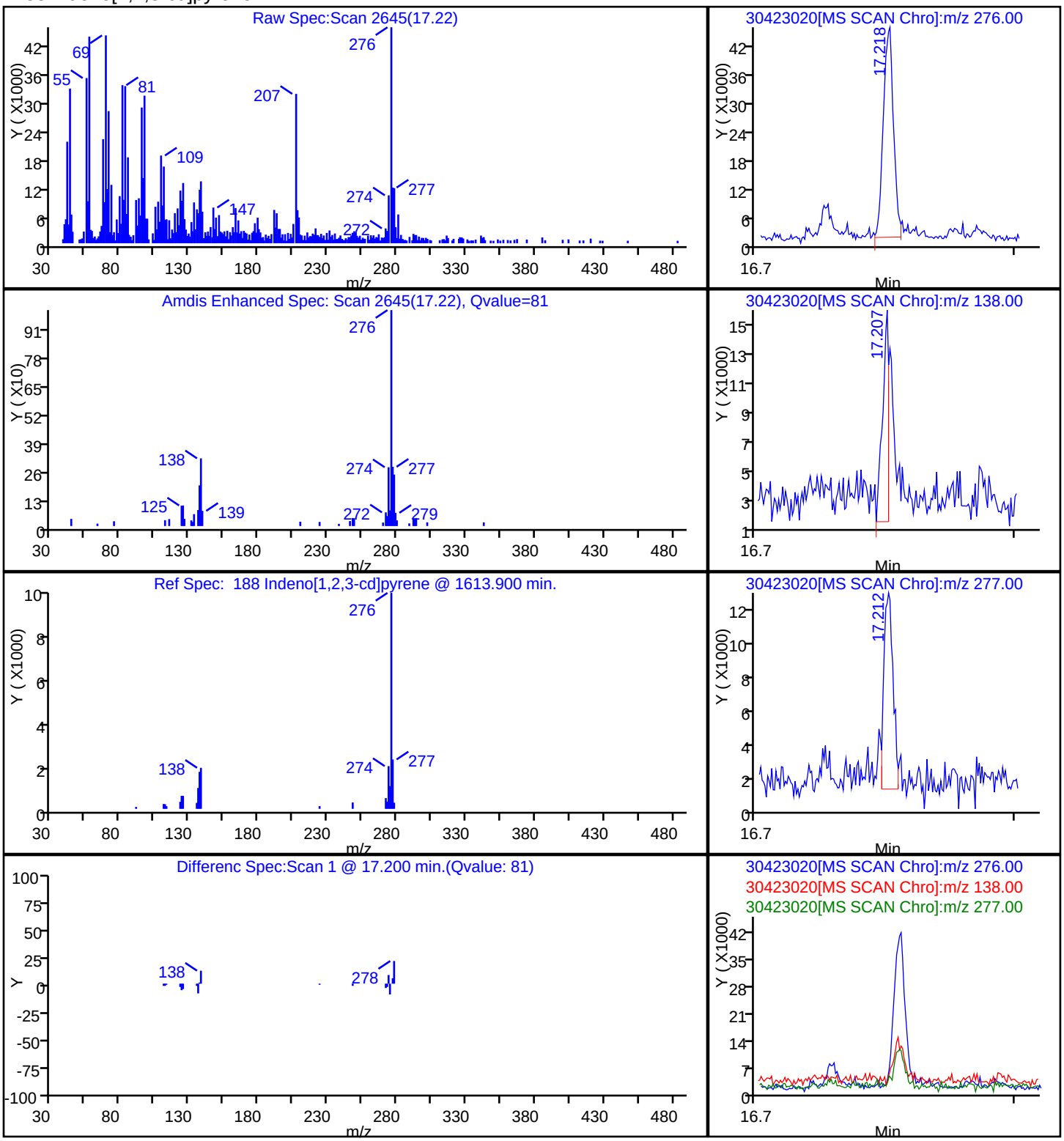
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



Report Date: 24-Apr-2013 08:46:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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Lims Batch ID:	83126	Lims Sample ID:	20
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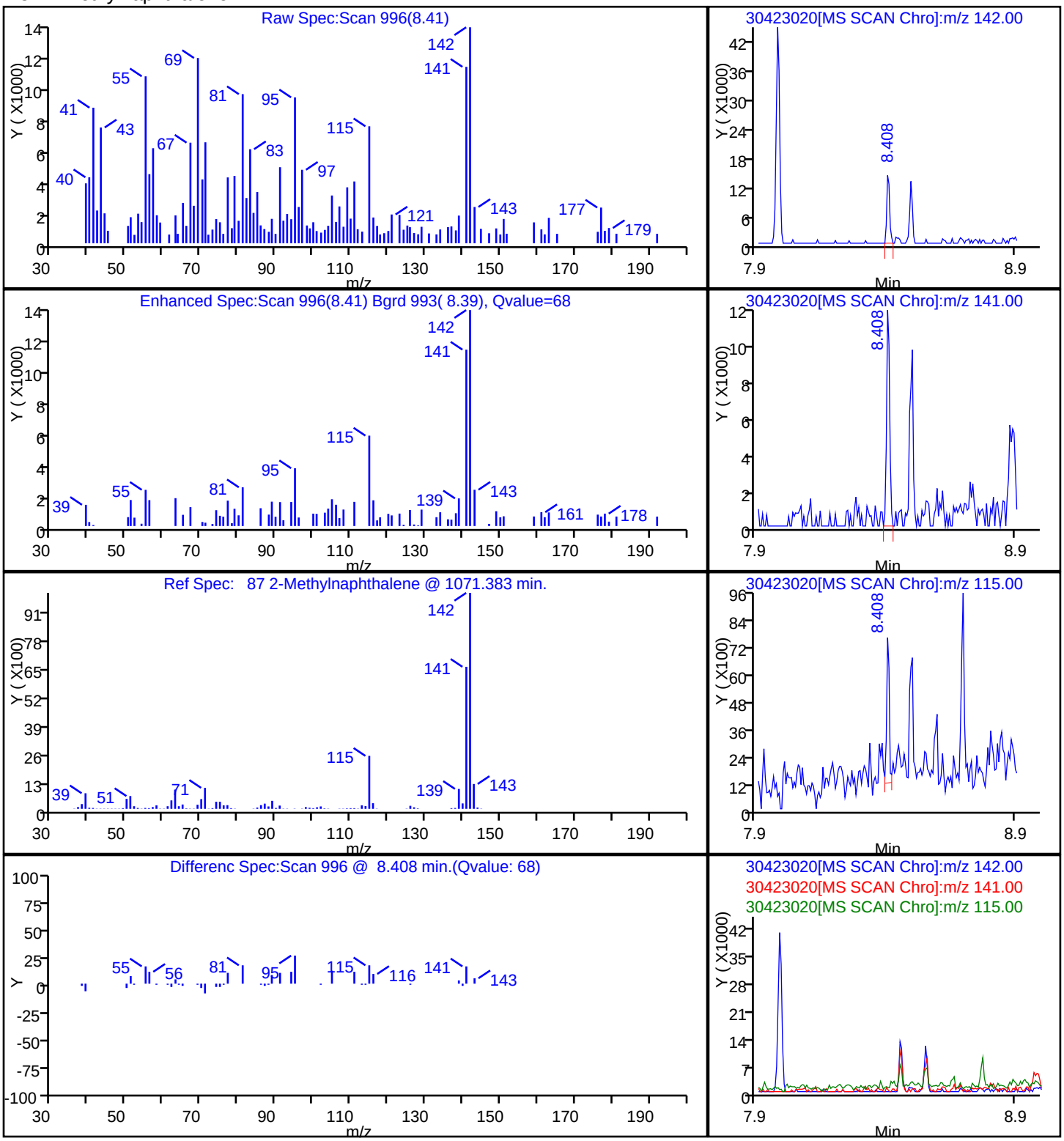
87 2-Methylnaphthalene



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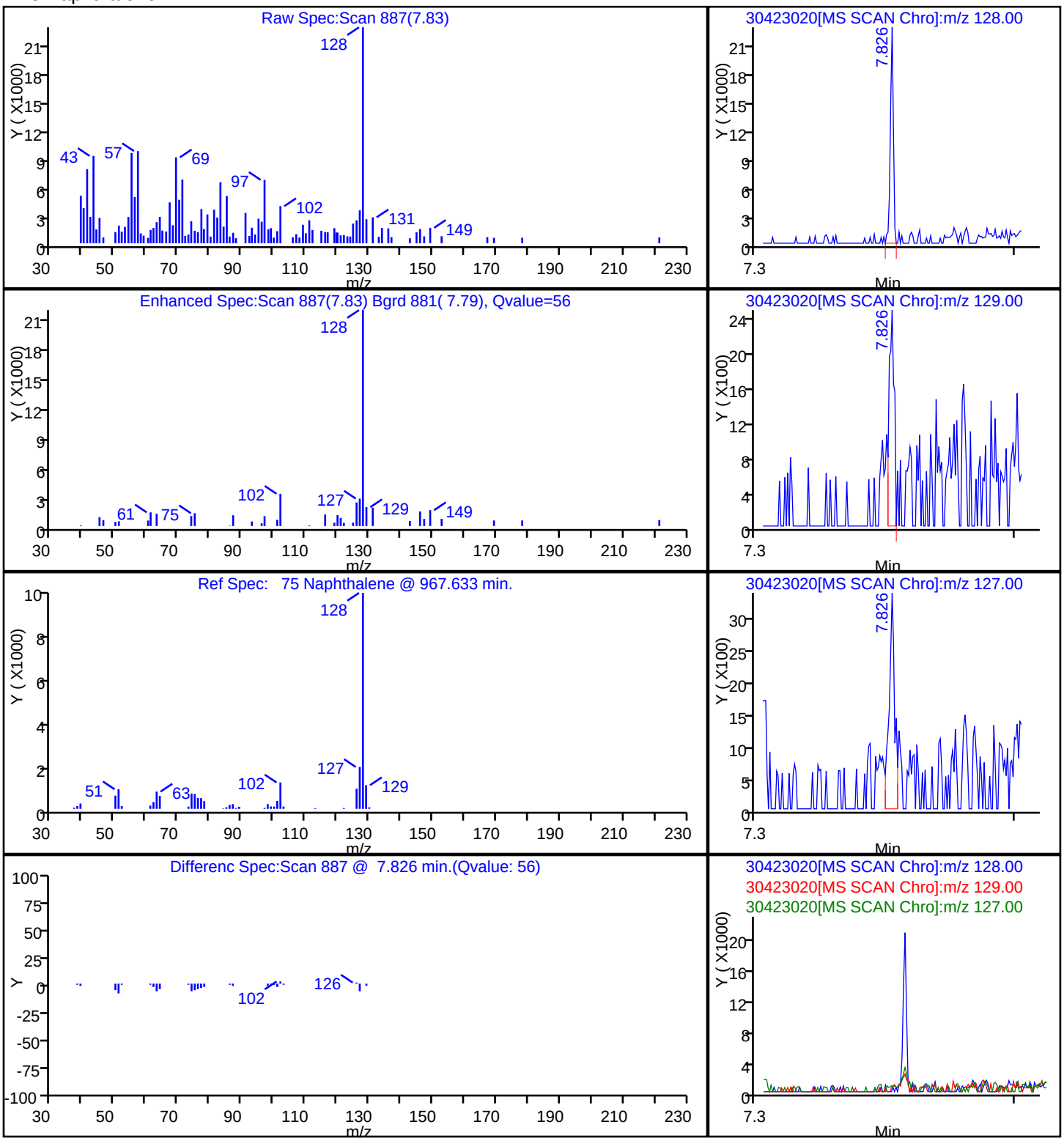
75 Naphthalene



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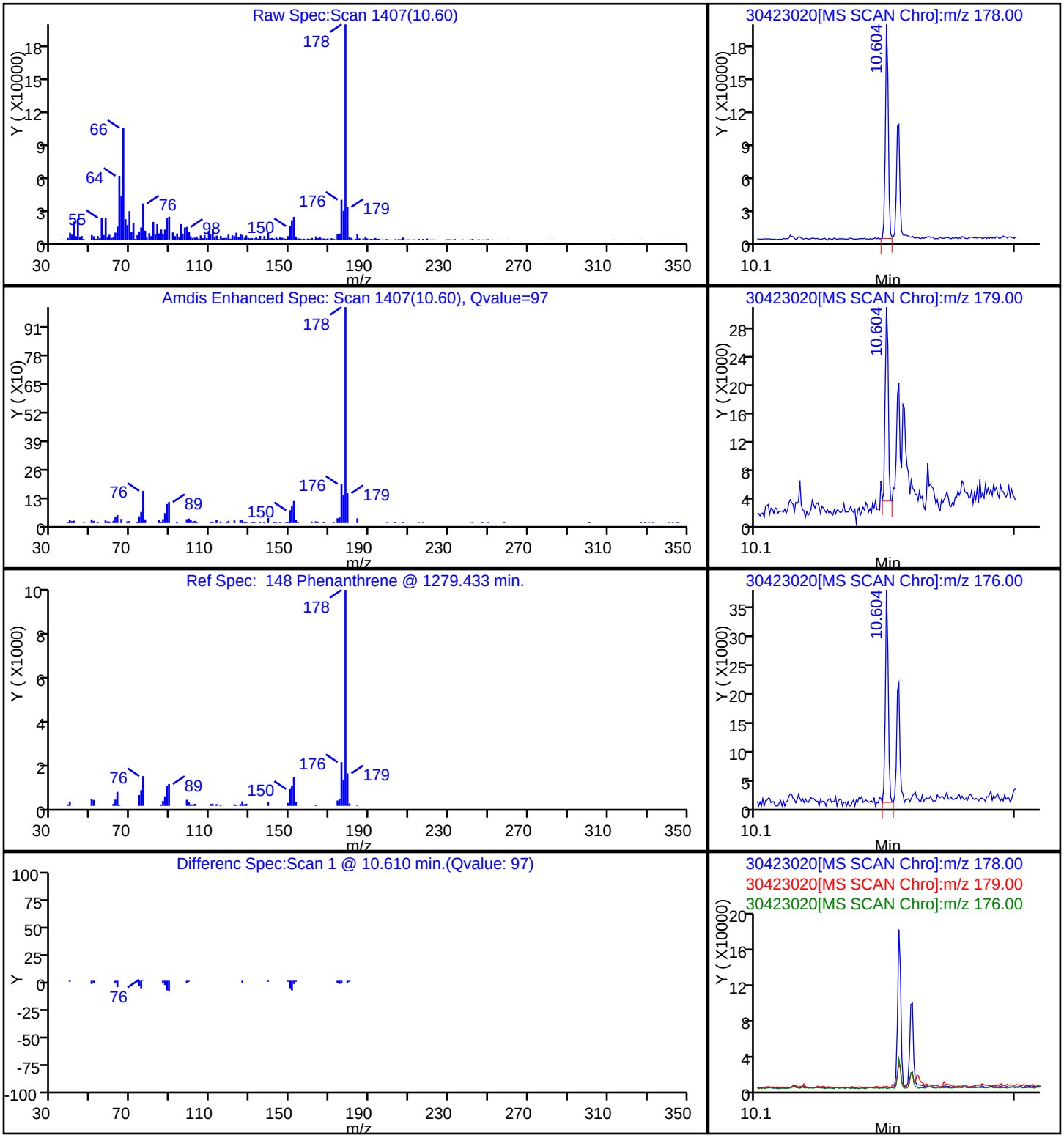
148 Phenanthrene



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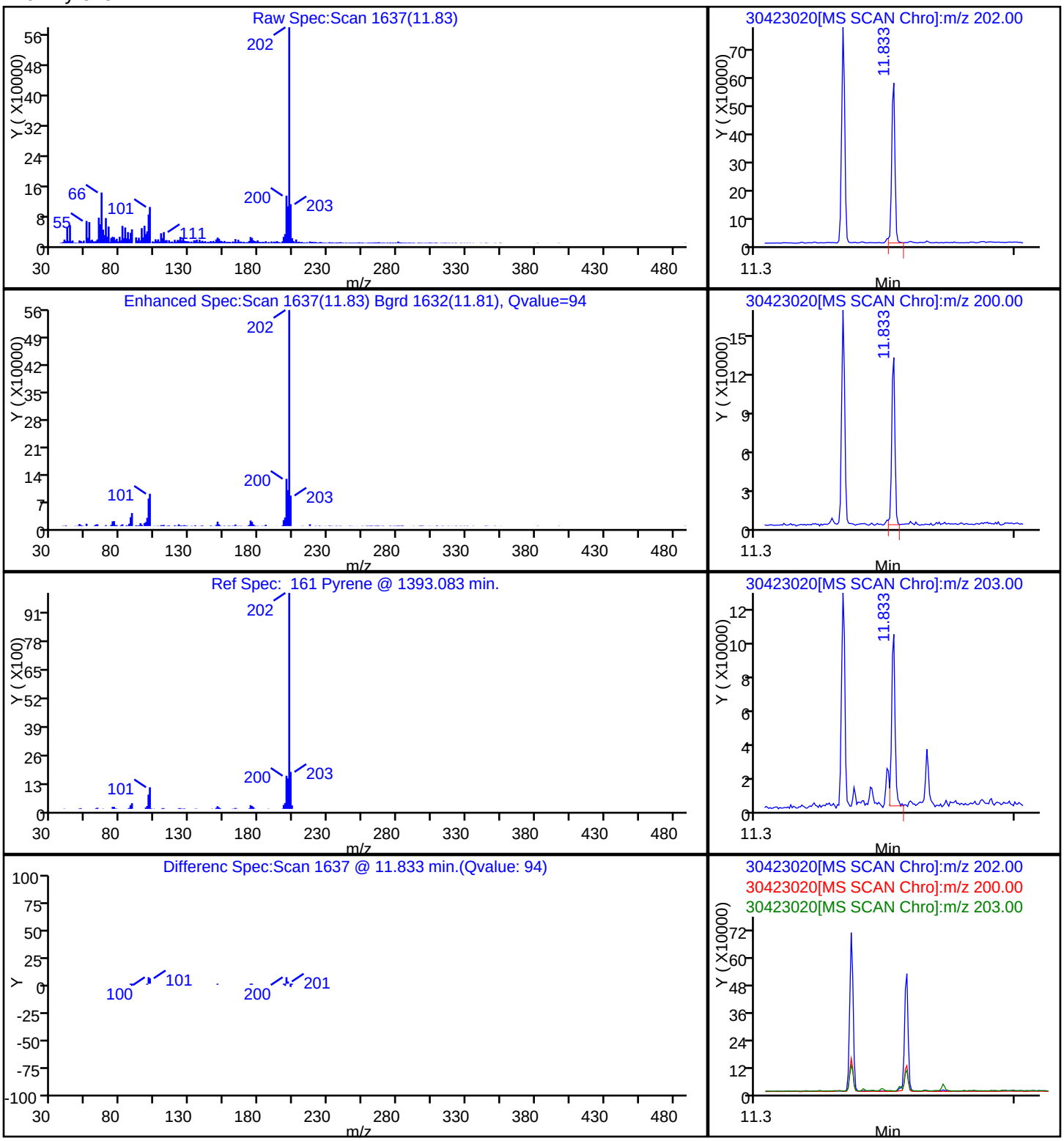
Lims Batch ID:	83126	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

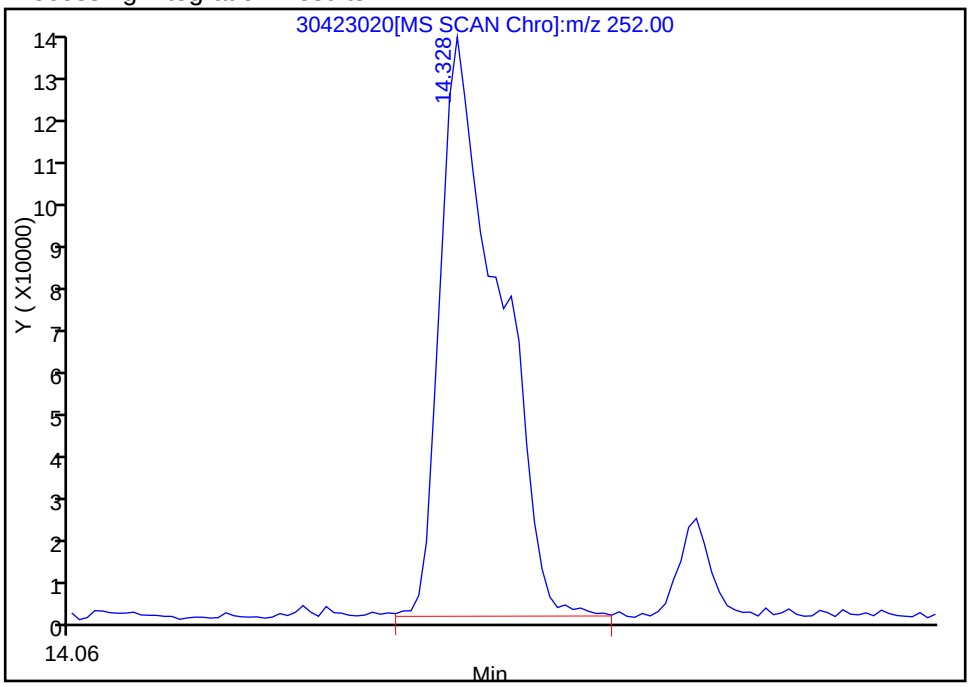
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D		
Injection Date:	23-Apr-2013 17:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	20
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: 14.33

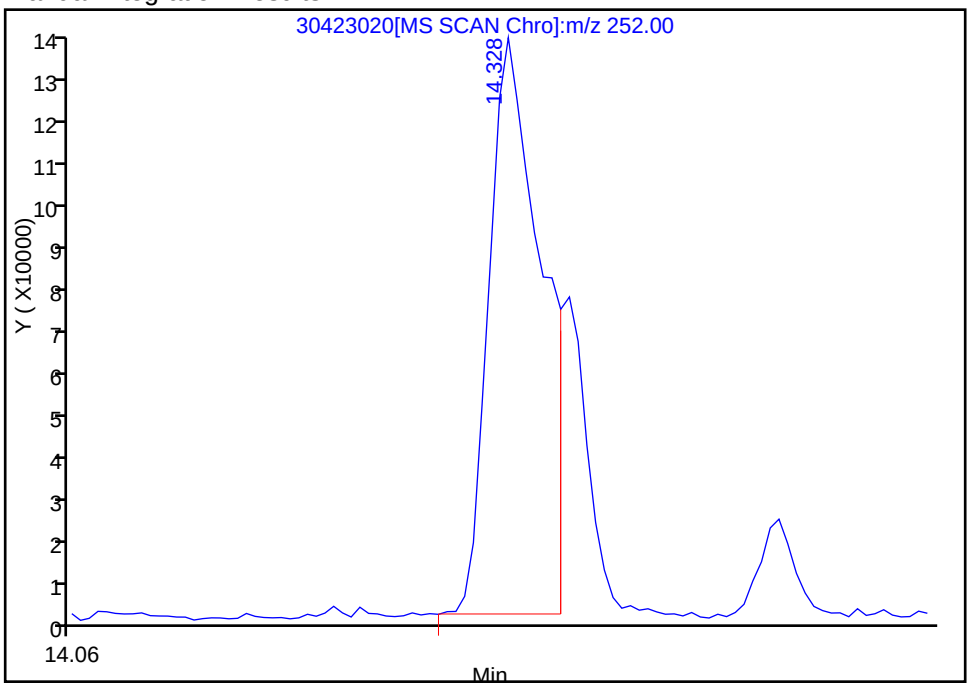
Processing Integration Results

RT: 14.33
Response: 372726
Amount: 1.910506



Manual Integration Results

RT: 14.33
Response: 298261
Amount: 1.528816



Reviewer: ulmanm, 24-Apr-2013 08:24:56
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

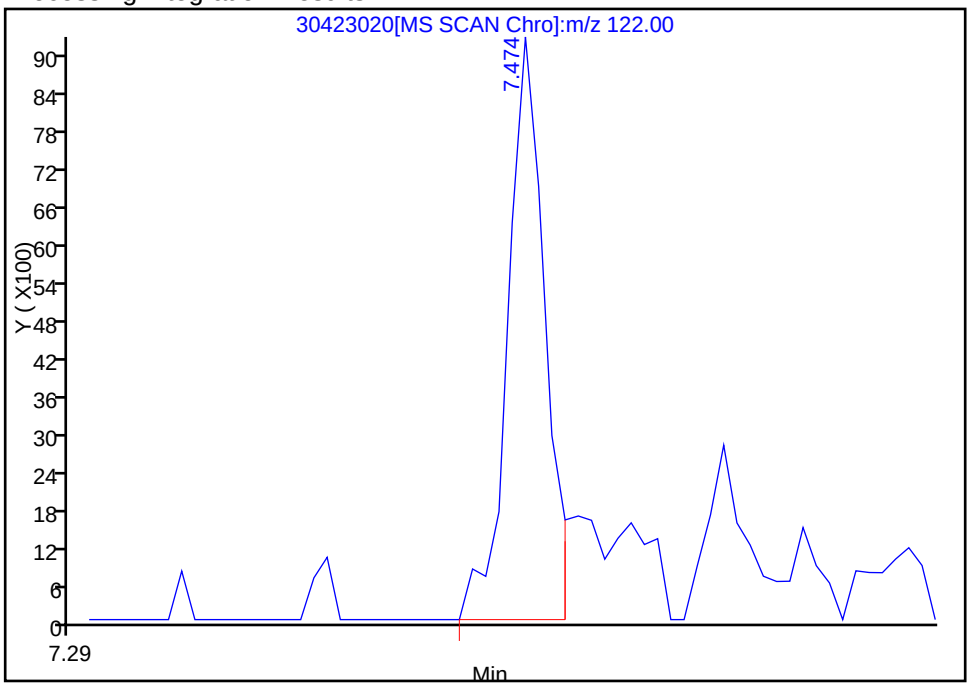
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D		
Injection Date:	23-Apr-2013 17:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	20
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: 7.51

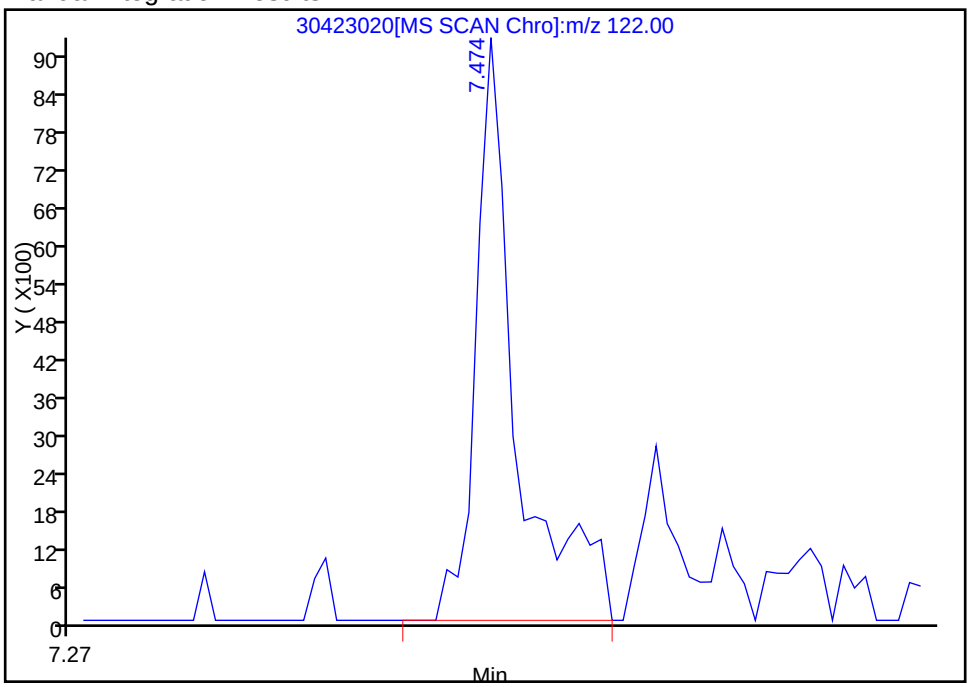
Processing Integration Results

RT: 7.47
Response: 9699
Amount: 1.722723



Manual Integration Results

RT: 7.47
Response: 12753
Amount: 1.814794



Reviewer: ulmanm, 24-Apr-2013 08:24:56
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

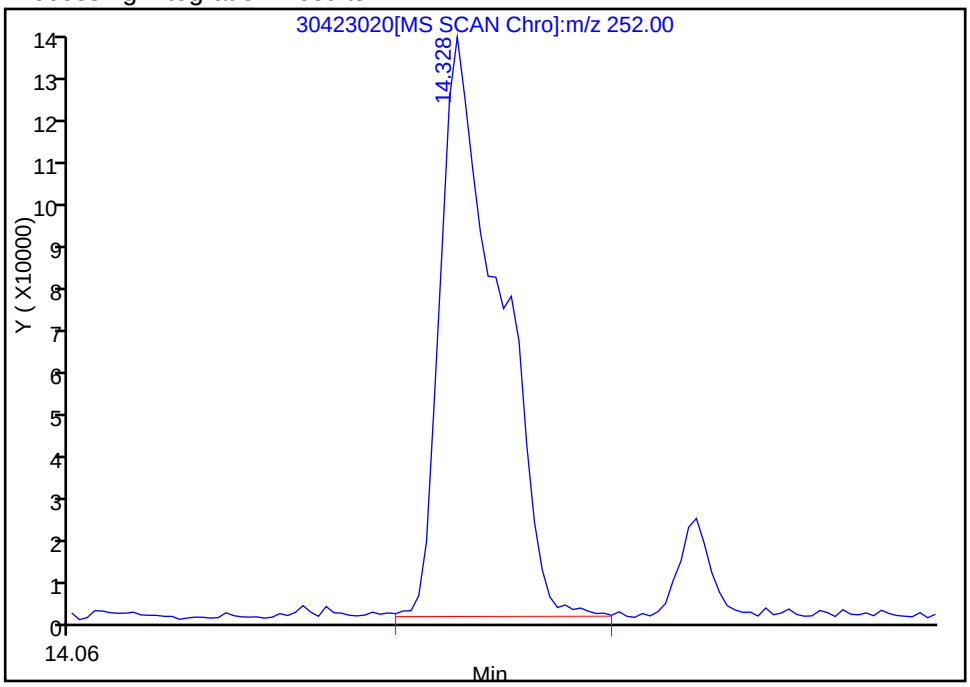
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423020.D		
Injection Date:	23-Apr-2013 17:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	20
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: 14.37

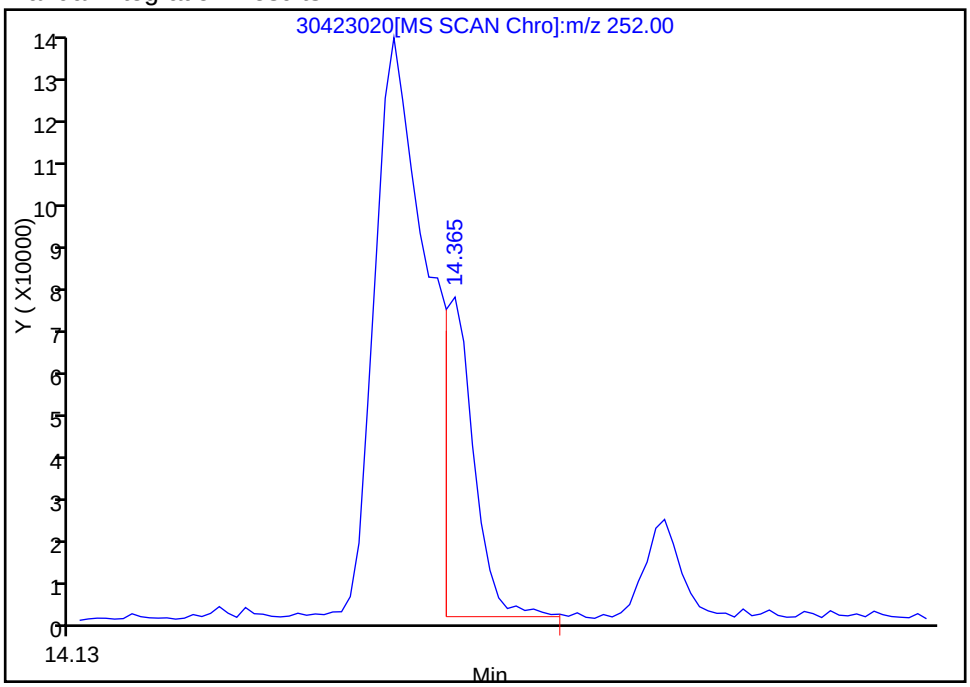
Processing Integration Results

RT: 14.33
Response: 373232
Amount: 1.686897



Manual Integration Results

RT: 14.36
Response: 93234
Amount: 0.421390



Reviewer: ulmanm, 24-Apr-2013 08:24:56
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0027-0001-SO | Lab Sample ID: 240-22804-10

Matrix: Solid | Lab File ID: 30423016.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:05

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.11(g) | Date Analyzed: 04/23/2013 15:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.9	U	7.8	3.9	3.9
208-96-8	Acenaphthylene	3.9	U	7.8	3.9	3.9
120-12-7	Anthracene	3.9	U	7.8	3.9	3.9
56-55-3	Benzo[a]anthracene	3.9	U	7.8	3.9	3.9
50-32-8	Benzo[a]pyrene	3.9	U	7.8	3.9	3.9
205-99-2	Benzo[b]fluoranthene	3.9	U	7.8	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	3.9	U	7.8	3.9	3.9
65-85-0	Benzoic acid	390	U	780	390	390
207-08-9	Benzo[k]fluoranthene	3.9	U	7.8	3.9	3.9
100-51-6	Benzyl alcohol	32	U	390	32	25
111-91-1	Bis(2-chloroethoxy)methane	32	U	120	32	26
111-44-4	Bis(2-chloroethyl)ether	3.9	U	120	3.9	2.4
108-60-1	bis (2-chloroisopropyl) ether	32	U	120	32	11
117-81-7	Bis(2-ethylhexyl) phthalate	26	J	82	32	22
101-55-3	4-Bromophenyl phenyl ether	32	U	59	32	15
85-68-7	Butyl benzyl phthalate	32	U	82	32	12
86-74-8	Carbazole	32	U	59	32	32
106-47-8	4-Chloroaniline	32	U	180	32	20
59-50-7	4-Chloro-3-methylphenol	32	U	180	32	25
91-58-7	2-Chloronaphthalene	3.9	U	59	3.9	3.9
95-57-8	2-Chlorophenol	32	U	59	32	32
7005-72-3	4-Chlorophenyl phenyl ether	32	U	59	32	15
218-01-9	Chrysene	3.9	U	7.8	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U	7.8	3.9	3.9
132-64-9	Dibenzofuran	3.9	U	59	3.9	3.9
95-50-1	1,2-Dichlorobenzene	32	U	59	32	11
541-73-1	1,3-Dichlorobenzene	32	U	59	32	13
106-46-7	1,4-Dichlorobenzene	32	U	59	32	24
91-94-1	3,3'-Dichlorobenzidine	94	U	120	94	21
120-83-2	2,4-Dichlorophenol	32	U	180	32	24
84-66-2	Diethyl phthalate	32	U	82	32	19
105-67-9	2,4-Dimethylphenol	94	U	180	94	24
131-11-3	Dimethyl phthalate	32	U	82	32	20
84-74-2	Di-n-butyl phthalate	33	J	82	32	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0027-0001-SO | Lab Sample ID: 240-22804-10

Matrix: Solid | Lab File ID: 30423016.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:05

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.11(g) | Date Analyzed: 04/23/2013 15:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	94	U	180	94	94
51-28-5	2,4-Dinitrophenol	94	U	390	94	94
121-14-2	2,4-Dinitrotoluene	32	U	240	32	32
606-20-2	2,6-Dinitrotoluene	32	U	240	32	25
117-84-0	Di-n-octyl phthalate	32	U	82	32	32
206-44-0	Fluoranthene	3.9	U	7.8	3.9	3.9
86-73-7	Fluorene	3.9	U	7.8	3.9	3.9
118-74-1	Hexachlorobenzene	3.9	U	7.8	3.9	2.5
87-68-3	Hexachlorobutadiene	32	U	59	32	32
77-47-4	Hexachlorocyclopentadiene	32	U	390	32	32
67-72-1	Hexachloroethane	32	U	59	32	11
193-39-5	Indeno[1,2,3-cd]pyrene	3.9	U	7.8	3.9	3.9
78-59-1	Isophorone	32	U	59	32	15
91-57-6	2-Methylnaphthalene	3.9	U	7.8	3.9	3.9
95-48-7	2-Methylphenol	94	U	240	94	94
15831-10-4	3 & 4 Methylphenol	94	U	470	94	24
91-20-3	Naphthalene	3.9	U	7.8	3.9	3.9
88-74-4	2-Nitroaniline	32	U	240	32	11
99-09-2	3-Nitroaniline	94	U	240	94	19
100-01-6	4-Nitroaniline	32	U	240	32	31
98-95-3	Nitrobenzene	3.9	U	120	3.9	2.6
88-75-5	2-Nitrophenol	32	U	59	32	32
100-02-7	4-Nitrophenol	94	U	390	94	94
621-64-7	N-Nitrosodi-n-propylamine	32	U	59	32	32
86-30-6	N-Nitrosodiphenylamine	32	U	59	32	25
87-86-5	Pentachlorophenol	94	U	180	94	94
85-01-8	Phenanthrene	3.9	U	7.8	3.9	3.9
108-95-2	Phenol	32	U	59	32	32
129-00-0	Pyrene	3.9	U	7.8	3.9	3.9
120-82-1	1,2,4-Trichlorobenzene	32	U	59	32	32
95-95-4	2,4,5-Trichlorophenol	32	U	180	32	29
88-06-2	2,4,6-Trichlorophenol	94	U	180	94	94

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0027-0001-SO | Lab Sample ID: 240-22804-10

Matrix: Solid | Lab File ID: 30423016.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 12:05

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.11(g) | Date Analyzed: 04/23/2013 15:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | 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)	67		35-100
4165-62-2	Phenol-d5 (Surr)	77		40-100
1718-51-0	Terphenyl-d14 (Surr)	65		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	40		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423016.D
Lims ID: 240-22804-B-10-A Client ID: 074SB-0027-0001-SO
Inject. Date: 23-Apr-2013 15:53:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019166-016
Misc. Info.: 240-22804-B-10-A =240-22804-B-10-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 83126 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 08:45:59 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:16:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.698	6.694	0.004	95	161526	4.00	
* 2 Naphthalene-d8	136	7.804	7.805	-0.001	99	669847	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	76	404484	4.00	
* 4 Phenanthrene-d10	188	10.582	10.588	-0.006	97	692088	4.00	
* 5 Chrysene-d12	240	12.943	12.949	-0.006	77	807174	4.00	
* 6 Perylene-d12	264	14.963	14.969	-0.006	96	702505	4.00	
$ 7 2-Fluorophenol	112	5.507	5.486	0.021	94	730302	11.1	
$ 8 Phenol-d5	99	6.330	6.320	0.010	91	1014422	11.5	
$ 9 Nitrobenzene-d5	82	7.169	7.169	0.0	86	666642	6.75	
$ 10 2-Fluorobiphenyl (Surr)	172	8.702	8.702	0.0	99	838072	6.96	
$ 11 2,4,6-Tribromophenol	330	9.984	9.984	0.0	91	78137	5.98	
$ 12 Terphenyl-d14	244	11.896	11.897	-0.001	98	935183	6.47	
43 Phenol	94		6.336					9
69 Bis(2-chloroethyl)ether	93		6.427					9
46 2-Chlorophenol	128		6.512					
47 1,3-Dichlorobenzene	146		6.651					
48 1,4-Dichlorobenzene	146		6.710					
49 Benzyl alcohol	108		6.784					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					9
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					9
64 Isophorone	82		7.377					9
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122		7.506					9
70 Bis(2-chloroethoxy)methane	93		7.532					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128		7.826					9
76 4-Chloroaniline	127		7.837					9
79 Hexachlorobutadiene	225		7.922					
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142		8.414					
89 Hexachlorocyclopentadiene	237		8.553					
92 2,4,6-Trichlorophenol	196		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
100 2-Chloronaphthalene	162		8.836					9
102 2-Nitroaniline	65		8.889					
105 Dimethyl phthalate	163		9.012					
107 2,6-Dinitrotoluene	165		9.076					9
109 Acenaphthylene	152		9.194					
110 3-Nitroaniline	138		9.231					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153		9.343					
114 2,4-Dinitrotoluene	165		9.429					9
116 Dibenzofuran	168		9.482					
121 Diethyl phthalate	149		9.600					9
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166		9.776					
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					9
139 4-Bromophenyl phenyl ether	248		10.166					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
148 Phenanthrene	178		10.604					9
149 Anthracene	178		10.652					9
151 Carbazole	167		10.759					9
154 Di-n-butyl phthalate	149	10.977	10.978	-0.001	70	20614	0.4170	
159 Fluoranthene	202		11.624					9
161 Pyrene	202		11.833					9
168 Butyl benzyl phthalate	149		12.271					9
173 Bis(2-ethylhexyl) phthalate	149	12.783	12.784	-0.001	88	36386	0.3346	
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228		12.933					9
178 Chrysene	228		12.976					9
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252		14.328					9
183 Benzo[k]fluoranthene	252		14.370					9
184 Benzo[a]pyrene	252		14.878					9
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276		17.223					
190 Benzo[g,h,i]perylene	276		17.917					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

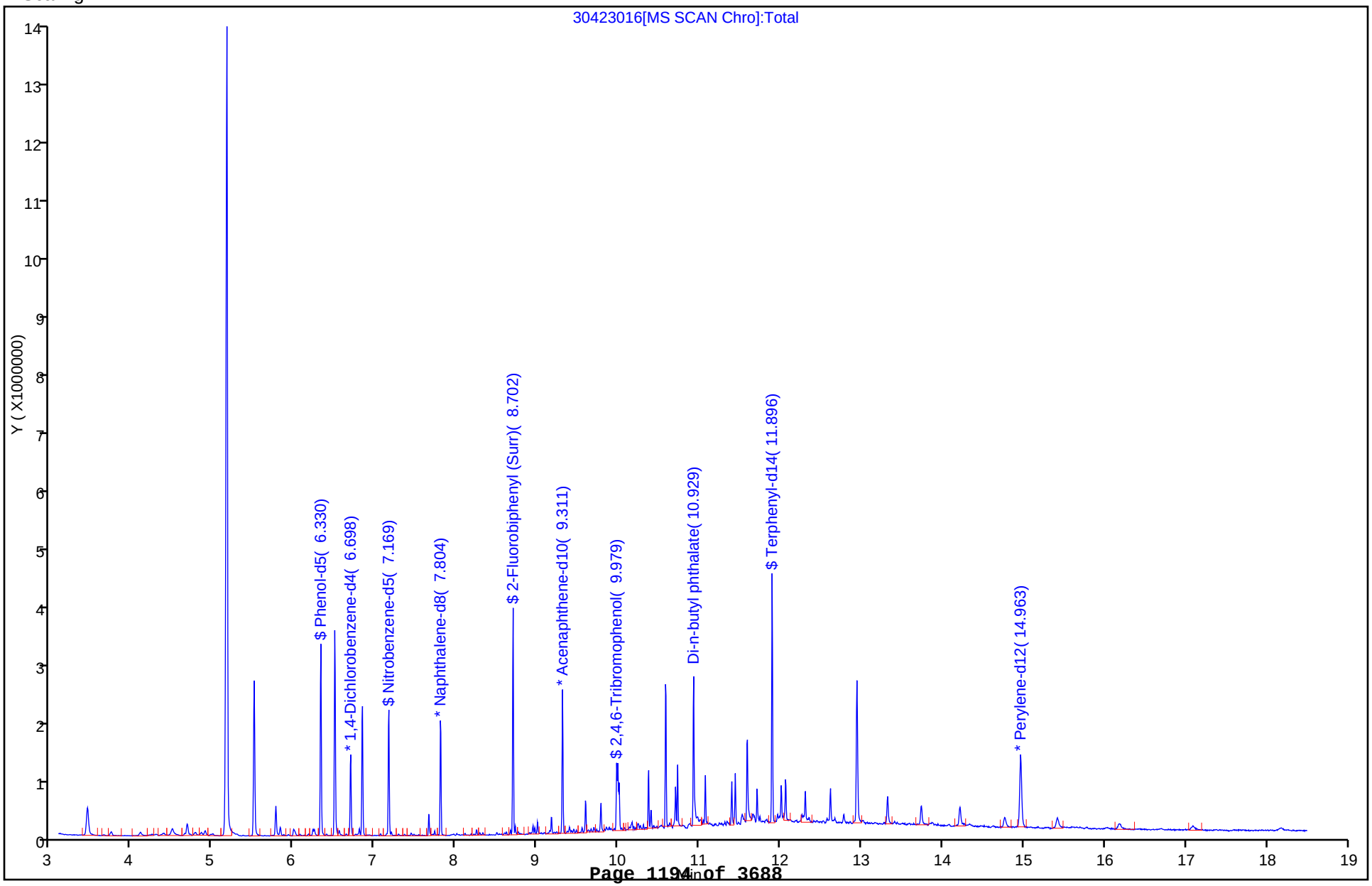
Report Date: 24-Apr-2013 08:46:02 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423016.D

Injection Date:	23-Apr-2013 15:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0027-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

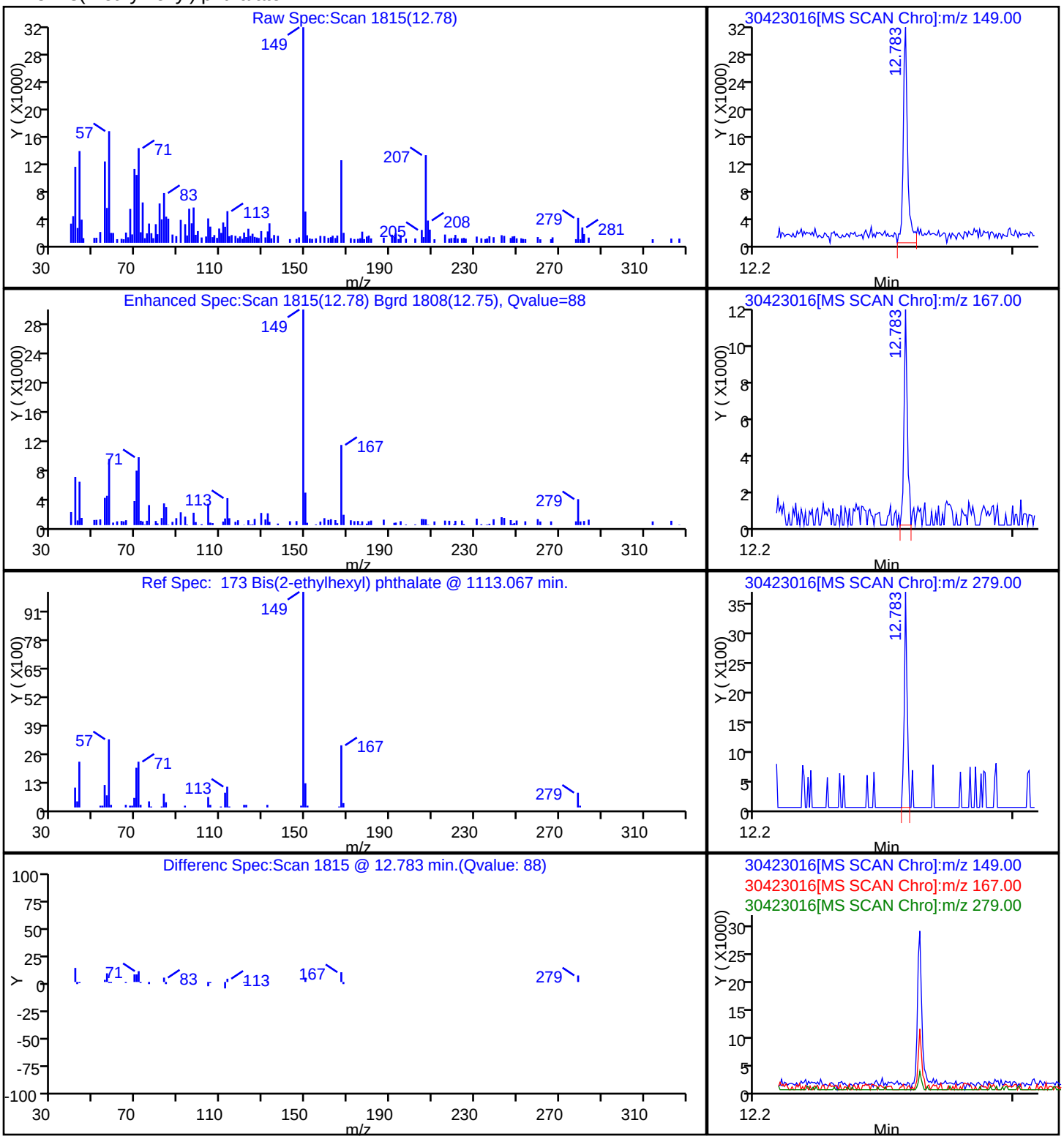


Report Date: 24-Apr-2013 08:46:02 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423016.D		
Injection Date:	23-Apr-2013 15:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0027-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



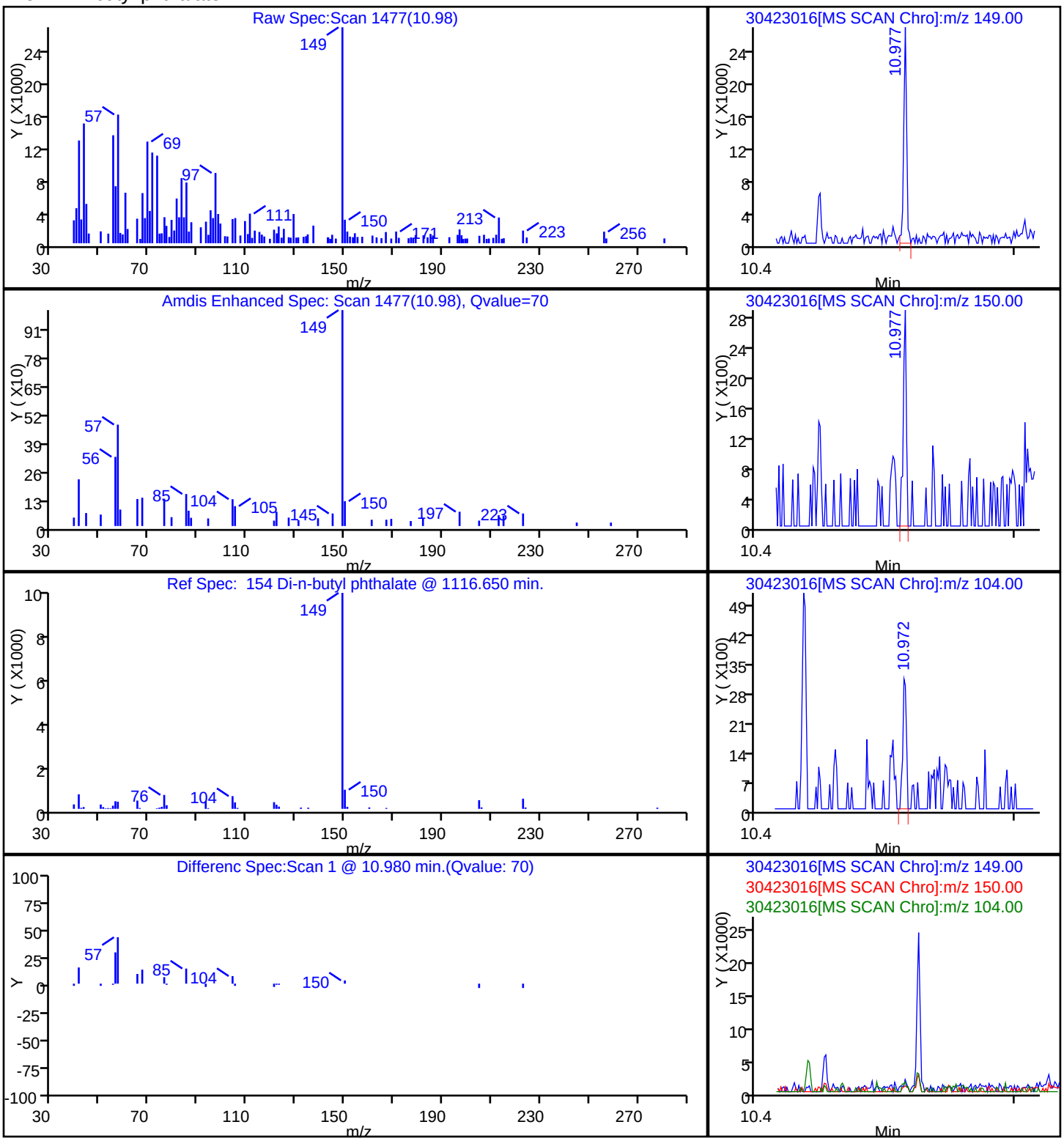
Report Date: 24-Apr-2013 08:46:02 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423016.D

Injection Date:	23-Apr-2013 15:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	074SB-0027-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	16
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.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: 30417012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 15:00

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 945(mL) | Date Analyzed: 04/17/2013 14:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.11	U	0.21	0.11	0.11
208-96-8	Acenaphthylene	0.11	U	0.21	0.11	0.11
120-12-7	Anthracene	0.11	U	0.21	0.11	0.11
56-55-3	Benzo[a]anthracene	0.11	U	0.21	0.11	0.11
50-32-8	Benzo[a]pyrene	0.11	U	0.21	0.11	0.11
205-99-2	Benzo[b]fluoranthene	0.11	U	0.21	0.11	0.11
191-24-2	Benzo[g,h,i]perylene	0.11	U	0.21	0.11	0.11
65-85-0	Benzoic acid	11	U	26	11	11
207-08-9	Benzo[k]fluoranthene	0.11	U	0.21	0.11	0.11
100-51-6	Benzyl alcohol	0.85	U	5.3	0.85	0.40
111-91-1	Bis(2-chloroethoxy)methane	0.85	U	1.1	0.85	0.34
111-44-4	Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	0.11
108-60-1	bis (2-chloroisopropyl) ether	0.85	U	1.1	0.85	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	0.85	U	2.1	0.85	0.85
101-55-3	4-Bromophenyl phenyl ether	0.85	U	2.1	0.85	0.85
85-68-7	Butyl benzyl phthalate	0.85	U	2.1	0.85	0.85
86-74-8	Carbazole	0.85	U	1.1	0.85	0.30
106-47-8	4-Chloroaniline	0.85	U	2.1	0.85	0.85
59-50-7	4-Chloro-3-methylphenol	0.85	U	2.1	0.85	0.85
91-58-7	2-Chloronaphthalene	0.11	U	1.1	0.11	0.11
95-57-8	2-Chlorophenol	0.85	U	1.1	0.85	0.31
7005-72-3	4-Chlorophenyl phenyl ether	0.85	U	2.1	0.85	0.32
218-01-9	Chrysene	0.11	U	0.21	0.11	0.11
53-70-3	Dibenz(a,h)anthracene	0.11	U	0.21	0.11	0.11
132-64-9	Dibenzofuran	0.11	U	1.1	0.11	0.11
95-50-1	1,2-Dichlorobenzene	0.85	U	1.1	0.85	0.31
541-73-1	1,3-Dichlorobenzene	0.85	U	1.1	0.85	0.85
106-46-7	1,4-Dichlorobenzene	0.85	U	1.1	0.85	0.36
91-94-1	3,3'-Dichlorobenzidine	0.85	U	5.3	0.85	0.39
120-83-2	2,4-Dichlorophenol	0.85	U	2.1	0.85	0.85
84-66-2	Diethyl phthalate	0.85	U	2.1	0.85	0.63
105-67-9	2,4-Dimethylphenol	0.85	U	2.1	0.85	0.85
131-11-3	Dimethyl phthalate	0.85	U	2.1	0.85	0.31
84-74-2	Di-n-butyl phthalate	0.85	U	2.1	0.85	0.71

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: 30417012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 15:00

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 945(mL) | Date Analyzed: 04/17/2013 14:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.5	U	5.3	2.5	2.5
51-28-5	2,4-Dinitrophenol	2.5	U	5.3	2.5	2.5
121-14-2	2,4-Dinitrotoluene	0.85	U	5.3	0.85	0.29
606-20-2	2,6-Dinitrotoluene	0.85	U	5.3	0.85	0.85
117-84-0	Di-n-octyl phthalate	0.85	U	2.1	0.85	0.85
206-44-0	Fluoranthene	0.11	U	0.21	0.11	0.11
86-73-7	Fluorene	0.11	U	0.21	0.11	0.11
118-74-1	Hexachlorobenzene	0.11	U	0.21	0.11	0.11
87-68-3	Hexachlorobutadiene	0.85	U	1.1	0.85	0.29
77-47-4	Hexachlorocyclopentadiene	0.85	U	11	0.85	0.85
67-72-1	Hexachloroethane	0.85	U	1.1	0.85	0.85
193-39-5	Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	0.11
78-59-1	Isophorone	0.85	U	1.1	0.85	0.29
91-57-6	2-Methylnaphthalene	0.11	U	0.21	0.11	0.11
95-48-7	2-Methylphenol	0.85	U	1.1	0.85	0.85
15831-10-4	3 & 4 Methylphenol	0.85	U	2.1	0.85	0.85
91-20-3	Naphthalene	0.11	U	0.21	0.11	0.11
88-74-4	2-Nitroaniline	0.85	U	2.1	0.85	0.85
99-09-2	3-Nitroaniline	0.85	U	2.1	0.85	0.30
100-01-6	4-Nitroaniline	0.85	U	2.1	0.85	0.85
98-95-3	Nitrobenzene	0.11	U	1.1	0.11	0.042
88-75-5	2-Nitrophenol	0.85	U	2.1	0.85	0.30
100-02-7	4-Nitrophenol	2.5	U	5.3	2.5	2.5
621-64-7	N-Nitrosodi-n-propylamine	0.85	U	1.1	0.85	0.85
86-30-6	N-Nitrosodiphenylamine	0.85	U	1.1	0.85	0.33
87-86-5	Pentachlorophenol	2.5	U	5.3	2.5	2.5
85-01-8	Phenanthrene	0.11	U	0.21	0.11	0.11
108-95-2	Phenol	0.85	U	1.1	0.85	0.63
129-00-0	Pyrene	0.11	U	0.21	0.11	0.11
120-82-1	1,2,4-Trichlorobenzene	0.85	U	1.1	0.85	0.30
95-95-4	2,4,5-Trichlorophenol	0.85	U	5.3	0.85	0.32
88-06-2	2,4,6-Trichlorophenol	0.85	U	5.3	0.85	0.85

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: 30417012.D

Analysis Method: 8270C/DoD | Date Collected: 04/03/2013 15:00

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 945(mL) | Date Analyzed: 04/17/2013 14:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		50-110
367-12-4	2-Fluorophenol (Surr)	60		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	61		40-110
4165-62-2	Phenol-d5 (Surr)	63		10-115
1718-51-0	Terphenyl-d14 (Surr)	69		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	75		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417012.D
Lims ID: 240-22804-I-11-A
Client ID: 079RN-0317-0001-RN
Inject. Date: 17-Apr-2013 14:21:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018951-012
Misc. Info.: 240-22804-I-11-A
Operator: 001710
Instrument ID: A4HP10
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 82293
Lims Sample ID: 12
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:47:22
Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj
Date: 17-Apr-2013 14:53:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	97	130369	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	99	478480	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	95	274353	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	529990	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	80	524141	4.00	
* 6 Perylene-d12	264	14.491	14.497	-0.006	98	410442	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	94	337970	8.96	
$ 8 Phenol-d5	99	5.548	5.548	0.0	90	477225	9.49	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	89	273265	6.11	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	99	597939	6.76	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	91	113314	11.3	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	98	712990	6.91	
43 Phenol	94		5.560					
45 Bis(2-chloroethyl)ether	93		5.660					9
47 2-Chlorophenol	128		5.713					
48 1,3-Dichlorobenzene	146		5.860					9
49 1,4-Dichlorobenzene	146		5.924					9
50 Benzyl alcohol	108		6.018					
51 1,2-Dichlorobenzene	146		6.059					9
52 2-Methylphenol	108		6.106					9
54 2,2'-oxybis[1-chloropropane]	45		6.142					
56 3 & 4 Methylphenol	108		6.241					9
57 N-Nitrosodi-n-propylamine	70		6.253					9
61 Hexachloroethane	117		6.365					
62 Nitrobenzene	77		6.412					9
64 Isophorone	82		6.617					9
66 2-Nitrophenol	139		6.694					
65 2,4-Dimethylphenol	107		6.706					
70 Benzoic acid	122		6.764					9
69 Bis(2-chloroethoxy)methane	93		6.794					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 2,4-Dichlorophenol	162		6.894					
73 1,2,4-Trichlorobenzene	180		6.976					
74 Naphthalene	128		7.046					9
75 4-Chloroaniline	127		7.082					
78 Hexachlorobutadiene	225		7.146					
85 4-Chloro-3-methylphenol	107		7.475					
87 2-Methylnaphthalene	142		7.640					9
89 Hexachlorocyclopentadiene	237		7.769					
93 2,4,6-Trichlorophenol	196		7.869					
94 2,4,5-Trichlorophenol	196		7.904					
100 2-Chloronaphthalene	162		8.057					9
102 2-Nitroaniline	65		8.133					
105 Dimethyl phthalate	163		8.274					9
107 2,6-Dinitrotoluene	165		8.333					9
109 Acenaphthylene	152		8.415					9
110 3-Nitroaniline	138		8.480					
112 Acenaphthene	153		8.562					9
111 2,4-Dinitrophenol	184		8.568					
113 4-Nitrophenol	109		8.598					9
114 2,4-Dinitrotoluene	165		8.674					9
116 Dibenzofuran	168		8.709					9
121 Diethyl phthalate	149		8.868					
123 4-Chlorophenyl phenyl ether	204		8.985					
126 Fluorene	166		8.997					9
125 4-Nitroaniline	138		8.997					
128 4,6-Dinitro-2-methylphenol	198		9.021					
129 N-Nitrosodiphenylamine	169		9.085					9
139 4-Bromophenyl phenyl ether	248		9.402					9
141 Hexachlorobenzene	284		9.467					
144 Pentachlorophenol	266		9.626					
149 Phenanthrene	178		9.820					9
150 Anthracene	178		9.867					9
152 Carbazole	167		9.990					9
155 Di-n-butyl phthalate	149		10.254					
160 Fluoranthene	202		10.836					9
162 Pyrene	202		11.054					9
170 Butyl benzyl phthalate	149		11.659					
177 3,3'-Dichlorobenzidine	252		12.323					
175 Bis(2-ethylhexyl) phthalate	149	12.346	12.352	-0.006	92	13263	0.1828	
179 Benzo[a]anthracene	228		12.376					9
180 Chrysene	228		12.423					9
182 Di-n-octyl phthalate	149		13.280					9
184 Benzo[b]fluoranthene	252		13.909					9
185 Benzo[k]fluoranthene	252		13.950					9
186 Benzo[a]pyrene	252		14.414					
190 Indeno[1,2,3-cd]pyrene	276		16.189					
191 Dibenz(a,h)anthracene	278		16.218					
192 Benzo[g,h,i]perylene	276		16.647					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

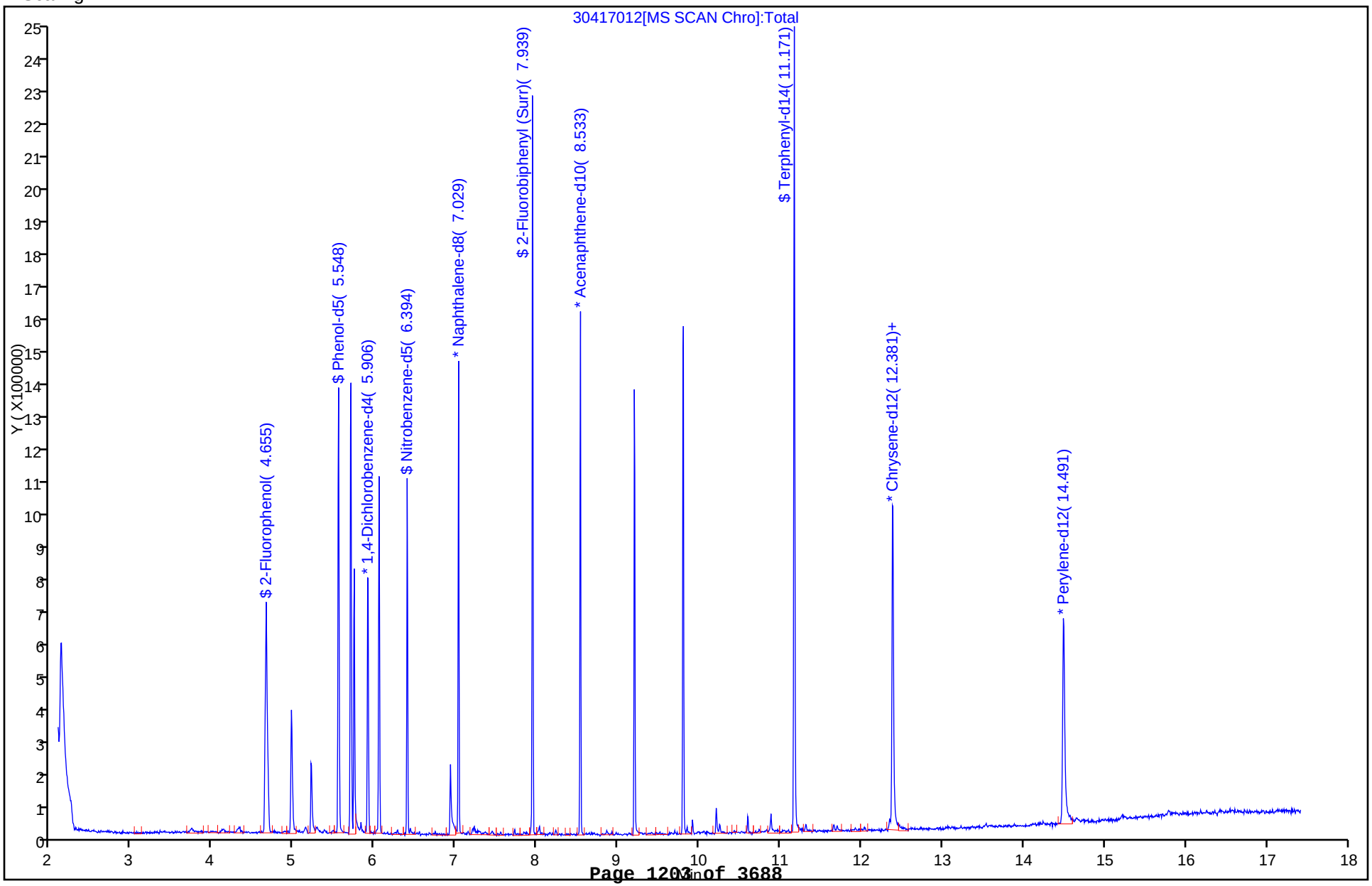
Report Date: 18-Apr-2013 13:47:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417012.D

Injection Date:	17-Apr-2013 14:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81609/6	30411006.D
Level 2	STD2 240-81609/5	30411005.D
Level 3	STD3 240-81609/4	30411004.D
Level 4	STD4 240-81609/3	30411003.D
Level 5	STD5 240-81609/2	30411002.D
Level 6	STD6 240-81609/10	30411010.D
Level 7	STD7 240-81609/9	30411009.D
Level 8	STD8 240-81609/8	30411008.D
Level 9	STD9 240-81609/7	30411007.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	0.5077	0.8345 0.5355	0.6096 0.5712	0.5723 0.5485	0.5484	Lin1	0.1048	0.5391			0.0500				0.9980		0.9950
N-Nitrosodimethylamine	0.6705	0.6142 0.7240	0.5757 0.7721	0.5872 0.7488	0.6419	Ave		0.6668			0.0500	11.0		15.0			
Pyridine	1.2317	1.1026 1.2779	1.1852 1.4178	1.1447 1.3639	1.1702	Ave		1.2367			0.0500	8.9		15.0			
Benzaldehyde	1.1249 1.0449	1.0583 1.0812	1.0682 1.1599	1.0922 1.0807	1.0839	Ave		1.0882			0.0500	3.2		15.0			
Phenol	1.4667	1.5399 1.5218	1.4167 1.6495	1.4394 1.6083	1.4943	Ave		1.5171			0.0500	5.3		15.0			
Aniline	1.8148	1.7784 1.9149	1.7438 2.0710	1.7565 2.0147	1.8540	Ave		1.8685			0.0500	6.5		15.0			
Bis(2-chloroethyl)ether	1.1033	1.2234 1.1759	1.1542 1.2689	1.1207 1.2266	1.1205	Ave		1.1742			0.0500	5.1		15.0			
2-Chlorophenol	1.1629	1.2275 1.2455	1.1526 1.3481	1.1518 1.2918	1.2072	Ave		1.2234			0.0500	5.8		15.0			
1,3-Dichlorobenzene	1.2781	1.2588 1.3219	1.2627 1.4607	1.2751 1.3977	1.3248	Ave		1.3225			0.0500	5.5		15.0			
1,4-Dichlorobenzene	1.3065	1.3310 1.3551	1.3000 1.4638	1.2381 1.4277	1.3723	Ave		1.3493			0.0500	5.4		15.0			
Benzyl alcohol	0.7618	0.7103 0.7799	0.7415 0.8771	0.7511 0.8324	0.7602	Ave		0.7768			0.0500	6.9		15.0			
1,2-Dichlorobenzene	1.2420	1.2455 1.2772	1.3006 1.3837	1.2478 1.3461	1.2559	Ave		1.2873			0.0500	4.1		15.0			
2-Methylphenol	1.0801	1.0155 1.1189	1.0441 1.2414	1.0430 1.1821	1.1117	Ave		1.1046			0.0500	6.9		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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	1.7762	1.7526 1.7827	1.7706 1.9261	1.7716 1.8305	1.7485	Ave		1.7948			0.0500	3.3		15.0			
Indene	2.1892	2.2101 2.3103	2.1177 2.5233	2.2032 2.4546	2.2191	Ave		2.2784			0.0500	6.2		15.0			
3 & 4 Methylphenol	1.1463	0.9811 1.2044	1.0504 1.3031	1.1118 1.2655	1.1459	Ave		1.1511			0.0500	9.3		15.0			
N-Nitrosodi-n-propylamine	0.8163	0.7284 0.8309	0.8275 0.9342	0.7561 0.8767	0.8224	Ave		0.8241			0.0500	7.8		15.0			
Acetophenone	1.6837	1.6774 1.7441	1.6239 1.9230	1.5986 1.8236	1.6542	Ave		1.7161			0.0500	6.4		15.0			
Hexachloroethane	0.5024	0.4873 0.5185	0.5391 0.5799	0.4851 0.5583	0.5013	Ave		0.5215			0.0500	6.6		15.0			
Nitrobenzene	0.3393	0.2935 0.3397	0.3186 0.3686	0.3503 0.3739	0.3367	Ave		0.3401			0.0500	7.6		15.0			
Isophorone	0.6024	0.5382 0.6055	0.6003 0.6631	0.5893 0.6719	0.6114	Ave		0.6103			0.0500	6.9		15.0			
2-Nitrophenol	0.1688	0.1483 0.1670	0.1364 0.1821	0.1540 0.1824	0.1598	Ave		0.1624			0.0500	9.9		15.0			
2,4-Dimethylphenol	0.3088	0.3026 0.3127	0.2903 0.3293	0.3064 0.3322	0.3090	Ave		0.3114			0.0500	4.4		15.0			
Benzoic acid	0.1733	0.2118 0.1947	0.1207 0.2074	0.1332 0.2151	0.1529	Qua	-0.074	0.1579	0.0012		0.0500				0.9990		0.9950
Bis(2-chloroethoxy)methane	0.3578	0.3487 0.3609	0.3198 0.3926	0.3456 0.3911	0.3593	Ave		0.3595			0.0500	6.6		15.0			
2,4-Dichlorophenol	0.2592	0.2195 0.2599	0.2327 0.2892	0.2476 0.2809	0.2592	Ave		0.2560			0.0500	9.0		15.0			
1,2,4-Trichlorobenzene	0.2995	0.2868 0.2969	0.2893 0.3162	0.2946 0.3235	0.2918	Ave		0.2998			0.0500	4.4		15.0			
Naphthalene	0.9657 0.9168	0.8889 0.9018	0.8702 0.9805	0.9202 0.9845	0.9227	Ave		0.9279			0.0500	4.4		15.0			
4-Chloroaniline	0.3866	0.3451 0.3850	0.3615 0.4233	0.3894 0.4252	0.3775	Ave		0.3867			0.0500	7.1		15.0			
Hexachlorobutadiene	0.1829	0.1673 0.1847	0.1820 0.1945	0.1819 0.1972	0.1770	Ave		0.1834			0.0500	5.1		15.0			
Caprolactam	0.0866	0.0817 0.0836	0.0907 0.0919	0.0870 0.0878	0.0924	Ave		0.0877			0.0500	4.4		15.0			
4-Chloro-3-methylphenol	0.2777	0.2476 0.2755	0.2376 0.3075	0.2633 0.3071	0.2721	Ave		0.2736			0.0500	9.1		15.0			
2-Methylnaphthalene	0.6263 0.6202	0.5993 0.6159	0.5928 0.6767	0.6071 0.6784	0.6013	Ave		0.6242			0.0500	5.1		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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	0.6328 0.5706	0.5272 0.5708	0.5726 0.6255	0.5674 0.6304	0.5711	Ave		0.5854			0.0500	6.2		15.0			
Hexachlorocyclopentadiene	0.3244	0.2458 0.3297	0.2857 0.3650	0.3036 0.3694	0.3168	Ave		0.3175			0.0500	13.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.5296	0.4883 0.5279	0.5034 0.5791	0.5408 0.5648	0.5136	Ave		0.5309			0.0500	5.7		15.0			
2,4,6-Trichlorophenol	0.3362	0.2737 0.3312	0.3026 0.3733	0.3317 0.3699	0.3209	Ave		0.3299			0.0500	9.9		15.0			
2,4,5-Trichlorophenol	0.3490	0.2619 0.3582	0.3071 0.3906	0.3430 0.3868	0.3408	Ave		0.3422			0.0500	12.0		15.0			
1,1'-Biphenyl	1.4183 1.2888	1.2052 1.2646	1.1996 1.3914	1.2515 1.3602	1.2601	Ave		1.2933			0.0500	6.1		15.0			
2-Chloronaphthalene	1.0870 0.9665	0.8911 0.9648	0.9411 1.0574	0.9751 1.0424	0.9318	Ave		0.9841			0.0500	6.6		15.0			
2-Nitroaniline	0.3074	0.2641 0.3142	0.2773 0.3526	0.2742 0.3386	0.2927	Ave		0.3026			0.0500	10.0		15.0			
Dimethyl phthalate	1.1172	1.0846 1.1094	1.0775 1.2348	1.0545 1.2026	1.0662	Ave		1.1183			0.0500	5.9		15.0			
1,3-Dinitrobenzene	0.1862	0.1329 0.1901	0.1536 0.2183	0.1528 0.2170	0.1706	Qua	-0.030	0.1680	0.0021		0.0500				0.9980		0.9950
2,6-Dinitrotoluene	0.2553	0.1978 0.2525	0.2167 0.2807	0.2325 0.2829	0.2360	Ave		0.2443			0.0500	12.0		15.0			
Acenaphthylene	1.5800 1.5776	1.3588 1.5783	1.4670 1.7626	1.5518 1.7191	1.5090	Ave		1.5671			0.0500	7.8		15.0			
3-Nitroaniline	0.2749	0.2109 0.2839	0.2066 0.3187	0.2461 0.3064	0.2613	Lin1	-0.080	0.3031			0.0500				0.9960		0.9950
Acenaphthene	1.2630 1.0539	1.0224 1.0466	1.0199 1.1546	1.0598 1.1462	1.0353	Ave		1.0891			0.0500	7.5		15.0			
2,4-Dinitrophenol	0.1795	+++++ 0.1894	0.0973 0.2196	0.1260 0.2193	0.1543	Qua	-0.199	0.1674	0.0012		0.0500				0.9980		0.9950
4-Nitrophenol	0.1610	0.0978 0.1574	0.1282 0.1791	0.1442 0.1740	0.1493	Lin1	-0.093	0.1718			0.0500				0.9970		0.9950
2,4-Dinitrotoluene	0.3426	0.2407 0.3489	0.2497 0.3844	0.3036 0.3783	0.3175	Lin1	-0.104	0.3720			0.0500				0.9970		0.9950
Dibenzofuran	1.5111 1.4426	1.3728 1.4530	1.3994 1.5940	1.4588 1.5818	1.3965	Ave		1.4678			0.0500	5.4		15.0			
2,3,4,6-Tetrachlorophenol	0.3110	0.2471 0.3089	0.2793 0.3440	0.2794 0.3393	0.2821	Ave		0.2989			0.0500	11.0		15.0			
Diethyl phthalate	1.1246	1.1681 1.1197	1.1337 1.2355	1.1285 1.2237	1.1048	Ave		1.1548			0.0500	4.3		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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	0.6262	0.5811 0.6191	0.6284 0.6858	0.6119 0.6730	0.5997	Ave		0.6282			0.0500	5.6		15.0			
4-Nitroaniline	0.2911	0.2107 0.2803	0.2421 0.3216	0.2520 0.3191	0.2726	Ave		0.2737			0.0500	14.0		15.0			
Fluorene	1.2068 1.1834	1.0566 1.1954	1.1679 1.3225	1.1615 1.2901	1.1557	Ave		1.1933			0.0500	6.5		15.0			
4,6-Dinitro-2-methylphenol	0.1289	0.0558 0.1298	0.0789 0.1464	0.0935 0.1440	0.1187	Lin1	-0.121	0.1418			0.0500				0.9960		0.9950
N-Nitrosodiphenylamine	0.4779	0.4226 0.4816	0.4399 0.5227	0.4584 0.5126	0.4667	Ave		0.4728			0.0500	7.2		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.6336	0.5864 0.6369	0.6119 0.6928	0.6208 0.6699	0.6342	Ave		0.6357			0.0500	5.2		15.0			
Azobenzene	0.6300	0.5861 0.6367	0.6148 0.6928	0.6208 0.6699	0.6342	Ave		0.6357			0.0500	5.2		15.0			
4-Bromophenyl phenyl ether	0.1772	0.1512 0.1817	0.1713 0.1943	0.1799 0.1920	0.1797	Ave		0.1784			0.0500	7.5		15.0			
Hexachlorobenzene	0.1691 0.1781	0.1726 0.1763	0.1809 0.1922	0.1793 0.1925	0.1863	Ave		0.1808			0.0500	4.5		15.0			
Atrazine	0.1849	0.1560 0.1790	0.1710 0.1902	0.1834 0.1823	0.1882	Ave		0.1794			0.0500	6.2		15.0			
Pentachlorophenol	0.1241	0.0810 0.1209	0.1010 0.1378	0.1095 0.1363	0.1237	Lin1	-0.067	0.1333			0.0500				0.9970		0.9950
Phenanthrene	1.0188 0.9071	0.8521 0.9132	0.8991 0.9840	0.9034 0.9567	0.9132	Ave		0.9275			0.0500	5.4		15.0			
Anthracene	0.8866 0.9311	0.8129 0.9350	0.8807 1.0202	0.9153 0.9938	0.9240	Ave		0.9222			0.0500	6.6		15.0			
Carbazole	0.8333	0.7825 0.8346	0.8332 0.9127	0.8519 0.9019	0.8485	Ave		0.8498			0.0500	4.9		15.0			
Di-n-butyl phthalate	1.0417	0.9286 1.0511	1.0070 1.1526	0.9779 1.1240	1.0335	Ave		1.0396			0.0500	7.0		15.0			
Fluoranthene	1.2068 1.0921	0.9771 1.1054	0.9808 1.2065	1.0529 1.1632	1.0622	Ave		1.0941			0.0500	7.9		15.0			
Benzidine	0.4161	0.4013 0.4157	0.4486 0.4161	0.4405 0.3769	0.4112	Ave		0.4158			0.0500	5.3		15.0			
Pyrene	1.1083 1.0141	0.9348 1.0253	0.9799 1.1136	1.0313 1.0851	1.0047	Ave		1.0330			0.0500	5.8		15.0			
Butyl benzyl phthalate	0.4117	0.3030 0.4168	0.3398 0.4566	0.3721 0.4485	0.3999	Ave		0.3936			0.0500	13.0		15.0			
3,3'-Dichlorobenzidine	0.3376	0.2357 0.3430	0.2856 0.3836	0.3147 0.3787	0.3322	Ave		0.3264			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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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-ethylhexyl) phthalate	0.5850	0.4275 0.5823	0.4824 0.6460	0.5244 0.6268	0.5552	Ave		0.5537			0.0500	13.0		15.0			
Benzo[a]anthracene	1.1431 0.9655	0.9030 0.9806	0.9516 1.0563	0.9662 1.0338	0.9569	Ave		0.9952			0.0500	7.2		15.0			
Chrysene	1.0360 0.9055	0.7835 0.9036	0.8447 0.9781	0.8976 0.9717	0.9006	Ave		0.9135			0.0500	8.2		15.0			
Di-n-octyl phthalate	1.1402	0.6157 1.1916	0.7191 1.3337	0.9151 1.3173	1.0931	Lin1	-0.503	1.2895			0.0500				0.9960		0.9950
Benzo[b]fluoranthene	0.9596 1.1087	0.8533 1.1495	0.9760 1.2207	1.0128 1.2714	1.1098	Ave		1.0735			0.0500	12.0		15.0			
Benzo[k]fluoranthene	0.9973 1.2058	1.0290 1.2586	1.0981 1.3653	1.1232 1.2605	1.1718	Ave		1.1677			0.0500	10.0		15.0			
Benzo[a]pyrene	0.7710 1.0493	0.8163 1.1001	0.9005 1.2052	0.9519 1.1607	1.0154	Ave		0.9967			0.0500	15.0		15.0			
Indeno[1,2,3-cd]pyrene	1.0612 1.1113	0.9120 1.1724	0.9325 1.2859	1.0117 1.2372	1.1157	Ave		1.0933			0.0500	12.0		15.0			
Dibenz(a,h)anthracene	0.8994 0.9219	0.7442 0.9816	0.7837 1.0774	0.8281 1.0500	0.9168	Ave		0.9115			0.0500	12.0		15.0			
Benzo[g,h,i]perylene	1.0643 0.9223	0.7994 0.9679	0.8200 1.0501	0.8306 1.0224	0.9211	Ave		0.9331			0.0500	11.0		15.0			
2-Fluorophenol (Surr)	1.1122	1.1195 1.1595	1.1312 1.2756	1.0965 1.2281	1.1353	Ave		1.1572			0.0500	5.4		15.0			
Phenol-d5 (Surr)	1.4695	1.6278 1.5416	1.5768 1.6570	1.3868 1.6105	1.4692	Ave		1.5424			0.0500	6.1		15.0			
Nitrobenzene-d5 (Surr)	0.4885 0.3570	0.3269 0.3625	0.3360 0.3934	0.3463 0.3939	0.3617	Ave		0.3740			0.0500	13.0		15.0			
2-Fluorobiphenyl (Surr)	1.6664 1.2044	1.1980 1.2195	1.2253 1.3427	1.2459 1.3189	1.1859	Ave		1.2897			0.0500	12.0		15.0			
2,4,6-Tribromophenol (Surr)	0.1455	0.1370 0.1470	0.1406 0.1633	0.1415 0.1593	0.1364	Ave		0.1463			0.0500	6.8		15.0			
Terphenyl-d14 (Surr)	1.0628 0.7324	0.8004 0.7342	0.7073 0.8019	0.7462 0.7796	0.7182	Ave		0.7870			0.0500	14.0		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81609/6	30411006.D
Level 2	STD2 240-81609/5	30411005.D
Level 3	STD3 240-81609/4	30411004.D
Level 4	STD4 240-81609/3	30411003.D
Level 5	STD5 240-81609/2	30411002.D
Level 6	STD6 240-81609/10	30411010.D
Level 7	STD7 240-81609/9	30411009.D
Level 8	STD8 240-81609/8	30411008.D
Level 9	STD9 240-81609/7	30411007.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	Lin1	236614	16216 318938	22470 456631	47473 613896	113217	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	312475	11935 431177	21220 617209	48714 838090	132532	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	574011	21426 761099	43683 1133431	94956 1526421	241604	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	9652 973909	41129 1287806	78743 1854574	181212 2419130	447558	0.200 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	683517	29924 906309	52217 1318676	119402 1800015	308524	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	845753	34557 1140436	64273 1655621	145706 2254888	382787	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	514179	23772 700352	42542 1014397	92963 1372859	231353	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	541952	23853 741747	42482 1077716	95545 1445797	249252	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	595610	24460 787251	46541 1167765	105773 1564313	273536	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	608860	25863 807048	47915 1170215	102704 1597863	283326	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	355010	13802 464490	27328 701146	62306 931573	156954	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	578791	24202 760626	47938 1106213	103511 1506525	259307	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	503367	19733 666396	38481 992388	86519 1322999	229526	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	827782	34056 1061693	65259 1539760	146959 2048685	361011	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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	2040512	85891 2751804	156104 4034385	365529 5494399	916354	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	534212	19065 717322	38715 1041736	92225 1416340	236586	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	380422	14155 494855	30501 746863	62719 981255	169804	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	784632	32595 1038746	59854 1537279	132615 2040968	341535	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	234155	9469 308811	19869 463611	40239 624884	103497	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	602745	22083 798340	45496 1174656	109090 1602028	266273	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1069946	40501 1422719	85728 2113040	183544 2878480	483451	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	299767	11162 392319	19477 580438	47968 781408	126382	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	548402	22771 734837	41451 1049259	95441 1423353	244364	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	615619	31871 915153	34463 1321942	82973 1843013	241835	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	635518	26240 847988	45666 1251022	107632 1675745	284126	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	460330	16521 610741	33229 921670	77111 1203520	204934	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	532016	21585 697687	41318 1007617	91758 1386001	230746	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	15367 1628498	66890 2119044	124268 3124385	286602 4217741	729643	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	686669	25968 904763	51618 1349033	121294 1821542	298492	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	324885	12593 434009	25988 619873	56648 844773	139989	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	307578	12290 393097	25916 585692	54163 752059	146197	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	493306	18631 647307	33930 979841	82015 1315867	215149	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	9966 1101656	45100 1447157	84651 2156428	189083 2906370	475473	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	10070 1013523	39669 1341167	81772 1993146	176733 2701042	451635	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	352302	11210 473002	24092 703575	56659 973410	154932	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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	575040	22274 757357	42448 1116276	100934 1488320	251173	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	365061	12486 475201	25520 719538	61912 974731	156928	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	378966	11947 513976	25900 752941	64027 1019196	166638	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	13819 1399472	54974 1814335	101163 2682254	233588 3584486	616231	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	10591 1049493	40645 1384207	79364 2038401	181990 2746950	455687	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	333811	12047 450748	23386 679648	51178 892305	143157	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1213193	49472 1591726	90860 2380318	196808 3169045	521385	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Qua	202189	6063 272790	12949 420859	28524 571915	83408	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	277211	9021 362216	18273 541120	43396 745495	115405	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	15394 1713120	61980 2264456	123712 3397756	289640 4530188	737944	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Lin1	298459	9622 407279	17426 614393	45929 807490	127765	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	12306 1144426	46636 1501648	86005 2225735	197799 3020416	506282	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	389816	+++++ 543421	16415 846839	47020 1155637	150881	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
4-Nitrophenol	ANT	Lin1	349554	8926 451620	21620 690447	53838 916895	146003	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Lin1	371972	10980 500634	21056 741070	56656 996826	155258	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	14723 1566499	62615 2084699	118010 3072843	272285 4168388	682932	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	337721	11272 443171	23549 663232	52142 894135	137950	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1221169	53280 1606486	95600 2381820	210620 3224659	540269	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	679997	26505 888302	52994 1322001	114212 1773518	293256	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	316074	9611 402223	20418 619876	47031 840862	133302	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	11758 1285001	48194 1715125	98484 2549442	216784 3399694	565180	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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	521792	9577 687048	24885 1067240	64543 1444264	208660	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	1935122	72547 2548336	138810 3811548	316413 5139794	820810	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	1282930	50341 1684936	96537 2525643	214273 3358653	557654	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1275629	50309 1684573	96999 2525643	214273 3358700	557619	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	358827	12979 480803	27021 708183	62072 962693	158021	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	3107 360567	14818 466336	28543 700791	61873 965125	163849	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	748683	26777 947131	53965 1386960	126618 1827685	331047	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pentachlorophenol	PHN	Lin1	502665	13906 639454	31861 1004742	75597 1367227	217571	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	18717 1836638	73146 2415849	141845 3587420	311780 4796788	802921	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	16288 1885354	69781 2473597	138944 3719428	315893 4982659	812471	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1687265	67174 2208075	131456 3327408	294031 4521809	746052	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2109283	79716 2780848	158879 4202076	337508 5635613	908739	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	22172 2211161	83881 2924418	154743 4398503	363378 5831952	933990	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1838302	71149 2393102	146604 3323668	322117 4153761	789265	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	20499 2239972	82865 2951426	160116 4447349	377058 5979420	964230	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	909395	26854 1199894	55525 1823367	136037 2471624	383811	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	1491428	41792 1974516	93330 3063990	230130 4172967	637656	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	1292173	37896 1676382	78819 2580079	191723 3454084	532849	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	21142 2132546	80043 2822861	155494 4218541	353258 5696707	918310	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	19161 1999965	69446 2601044	138022 3906119	328187 5354526	864351	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Lin1	1981231	42479 2634916	93267 4175696	269976 5738584	828145	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.: 240-22804-1 Analy Batch No.: 81609

SDG No.:

Instrument ID: A4HP10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 18:04 Calibration End Date: 04/11/2013 21:19 Calibration ID: 14465

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	14443 1926505	58877 2541953	126589 3822093	298800 5538757	840758	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	15010 2095142	70996 2783215	142426 4274606	331366 5491211	887719	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	11605 1823222	56321 2432666	116802 3773468	280829 5056335	769294	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	15972 1931031	62924 2592538	120947 4025972	298487 5389622	845237	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	13537 1601821	51347 2170597	101656 3373446	244309 4574297	694560	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	16019 1602658	55155 2140344	106360 3287841	245044 4453982	697853	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	 518302	21754 690564	41692 1019750	90958 1374472	234391	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	 684817	31631 918111	58117 1324647	115038 1802479	303341	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	7773 634034	24603 851694	47979 1253671	107870 1687586	285992	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16236 1307821	54644 1749682	103329 2588455	232548 3475644	579916	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	 158023	6248 210950	11857 314870	26408 419685	66719	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	19657 1617749	70948 2113488	115574 3202684	272821 4296101	689248	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411002.D		
Lims ID:	std5 lst1	Client ID:	
Inject. Date:	11-Apr-2013 18:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018790-002		
Misc. Info.:	STD5 LST1 =STD5 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	81609	Lims Sample ID:	2
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:30	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:29:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	165173	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	632615	4.00	
* 3 Acenaphthene-d10	164	8.562	8.562	0.0	91	391217	4.00	
* 4 Phenanthrene-d10	188	9.832	9.832	0.0	98	703426	4.00	
* 5 Chrysene-d12	240	12.434	12.434	0.0	82	767759	4.00	
* 6 Perylene-d12	264	14.561	14.561	0.0	98	606079	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	93	234391	4.91	
$ 8 Phenol-d5	99	5.583	5.583	0.0	96	303341	4.76	
$ 9 Nitrobenzene-d5	82	6.430	6.430	0.0	89	285992	4.83	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	98	579916	4.60	
$ 11 2,4,6-Tribromophenol	330	9.232	9.232	0.0	88	66719	4.66	
$ 12 Terphenyl-d14	244	11.206	11.206	0.0	99	689248	4.56	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	2.605	2.605	0.0	87	113217	4.89	M
26 N-Nitrosodimethylamine	74	3.080	3.080	0.0	84	132532	4.81	
27 Pyridine	79	3.127	3.127	0.0	93	241604	4.73	M
41 Benzaldehyde	77	5.554	5.554	0.0	90	447558	9.96	
43 Phenol	94	5.595	5.595	0.0	93	308524	4.92	
44 Aniline	93	5.648	5.648	0.0	95	382787	4.96	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	94	231353	4.77	
47 2-Chlorophenol	128	5.754	5.754	0.0	97	249252	4.93	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	273536	5.01	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	92	283326	5.09	
50 Benzyl alcohol	108	6.054	6.054	0.0	87	156954	4.89	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	94	259307	4.88	
52 2-Methylphenol	108	6.142	6.142	0.0	97	229526	5.03	
53 Indene	115	6.177	6.177	0.0	75	916354	9.74	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.177	0.0	55	361011	4.87	
56 3 & 4 Methylphenol	108	6.271	6.271	0.0	95	236586	4.98	
57 N-Nitrosodi-n-propylamine	70	6.289	6.289	0.0	89	169804	4.99	
58 Acetophenone	105	6.294	6.294	0.0	88	341535	4.82	
61 Hexachloroethane	117	6.400	6.400	0.0	93	103497	4.81	
62 Nitrobenzene	77	6.447	6.447	0.0	89	266273	4.95	
64 Isophorone	82	6.653	6.653	0.0	97	483451	5.01	
66 2-Nitrophenol	139	6.723	6.723	0.0	94	126382	4.92	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	95	244364	4.96	
70 Benzoic acid	122	6.770	6.770	0.0	84	241835	9.47	M
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	97	284126	5.00	
72 2,4-Dichlorophenol	162	6.923	6.923	0.0	95	204934	5.06	
73 1,2,4-Trichlorobenzene	180	7.005	7.005	0.0	93	230746	4.87	
74 Naphthalene	128	7.082	7.082	0.0	97	729643	4.97	
75 4-Chloroaniline	127	7.111	7.111	0.0	83	298492	4.88	
78 Hexachlorobutadiene	225	7.176	7.176	0.0	95	139989	4.83	
83 Caprolactam	113	7.393	7.393	0.0	72	146197	10.5	
85 4-Chloro-3-methylphenol	107	7.505	7.505	0.0	91	215149	4.97	
87 2-Methylnaphthalene	142	7.669	7.669	0.0	80	475473	4.82	
88 1-Methylnaphthalene	142	7.757	7.757	0.0	81	451635	4.88	
89 Hexachlorocyclopentadiene	237	7.799	7.799	0.0	91	154932	4.99	
92 1,2,4,5-Tetrachlorobenzene	216	7.810	7.810	0.0	93	251173	4.84	
93 2,4,6-Trichlorophenol	196	7.898	7.898	0.0	91	156928	4.86	
94 2,4,5-Trichlorophenol	196	7.928	7.928	0.0	95	166638	4.98	
98 1,1'-Biphenyl	154	8.063	8.063	0.0	96	616231	4.87	
100 2-Chloronaphthalene	162	8.086	8.086	0.0	97	455687	4.73	
102 2-Nitroaniline	65	8.163	8.163	0.0	83	143157	4.84	
105 Dimethyl phthalate	163	8.304	8.304	0.0	98	521385	4.77	
106 1,3-Dinitrobenzene	168	8.333	8.333	0.0	81	83408	4.95	
107 2,6-Dinitrotoluene	165	8.357	8.357	0.0	79	115405	4.83	
109 Acenaphthylene	152	8.445	8.445	0.0	95	737944	4.81	
110 3-Nitroaniline	138	8.510	8.510	0.0	92	127765	4.57	
112 Acenaphthene	153	8.592	8.592	0.0	89	506282	4.75	
111 2,4-Dinitrophenol	184	8.592	8.592	0.0	64	150881	9.73	
113 4-Nitrophenol	109	8.615	8.615	0.0	94	146003	9.23	
114 2,4-Dinitrotoluene	165	8.703	8.703	0.0	90	155258	4.55	
116 Dibenzofuran	168	8.739	8.739	0.0	86	682932	4.76	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	68	137950	4.72	
121 Diethyl phthalate	149	8.897	8.897	0.0	97	540269	4.78	
123 4-Chlorophenyl phenyl ether	204	9.015	9.015	0.0	91	293256	4.77	
126 Fluorene	166	9.032	9.032	0.0	83	565180	4.84	
125 4-Nitroaniline	138	9.027	9.027	0.0	78	133302	4.98	
128 4,6-Dinitro-2-methylphenol	198	9.050	9.050	0.0	85	208660	9.22	
129 N-Nitrosodiphenylamine	169	9.115	9.115	0.0	98	820810	9.87	
132 Azobenzene	77	9.150	9.150	0.0	99	557619	4.99	
131 1,2-Diphenylhydrazine	77	9.150	9.150	0.0	97	557654	4.99	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	62	158021	5.04	
141 Hexachlorobenzene	284	9.497	9.497	0.0	92	163849	5.15	
142 Atrazine	200	9.549	9.549	0.0	94	331047	10.5	
144 Pentachlorophenol	266	9.655	9.655	0.0	88	217571	9.78	
149 Phenanthrene	178	9.855	9.855	0.0	97	802921	4.92	
150 Anthracene	178	9.896	9.896	0.0	98	812471	5.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.020	10.020	0.0	83	746052	4.99	
155 Di-n-butyl phthalate	149	10.284	10.284	0.0	100	908739	4.97	
160 Fluoranthene	202	10.871	10.871	0.0	98	933990	4.85	
161 Benzidine	184	10.971	10.971	0.0	98	789265	9.89	
162 Pyrene	202	11.089	11.089	0.0	97	964230	4.86	
170 Butyl benzyl phthalate	149	11.700	11.700	0.0	98	383811	5.08	
177 3,3'-Dichlorobenzidine	252	12.370	12.370	0.0	66	637656	10.2	
175 Bis(2-ethylhexyl) phthalate	149	12.399	12.399	0.0	96	532849	5.01	
179 Benzo[a]anthracene	228	12.423	12.423	0.0	86	918310	4.81	
180 Chrysene	228	12.470	12.470	0.0	93	864351	4.93	
182 Di-n-octyl phthalate	149	13.333	13.333	0.0	100	828145	4.63	
184 Benzo[b]fluoranthene	252	13.962	13.962	0.0	85	840758	5.17	
185 Benzo[k]fluoranthene	252	14.003	14.003	0.0	89	887719	5.02	
186 Benzo[a]pyrene	252	14.473	14.473	0.0	76	769294	5.09	
190 Indeno[1,2,3-cd]pyrene	276	16.259	16.259	0.0	83	845237	5.10	
191 Dibenz(a,h)anthracene	278	16.295	16.295	0.0	78	694560	5.03	
192 Benzo[g,h,i]perylene	276	16.729	16.729	0.0	81	697853	4.94	
S 193 Methyl Phenols,Total	100				0		10.0	

QC Flag Legend

Review Flags
M - Manually Integrated

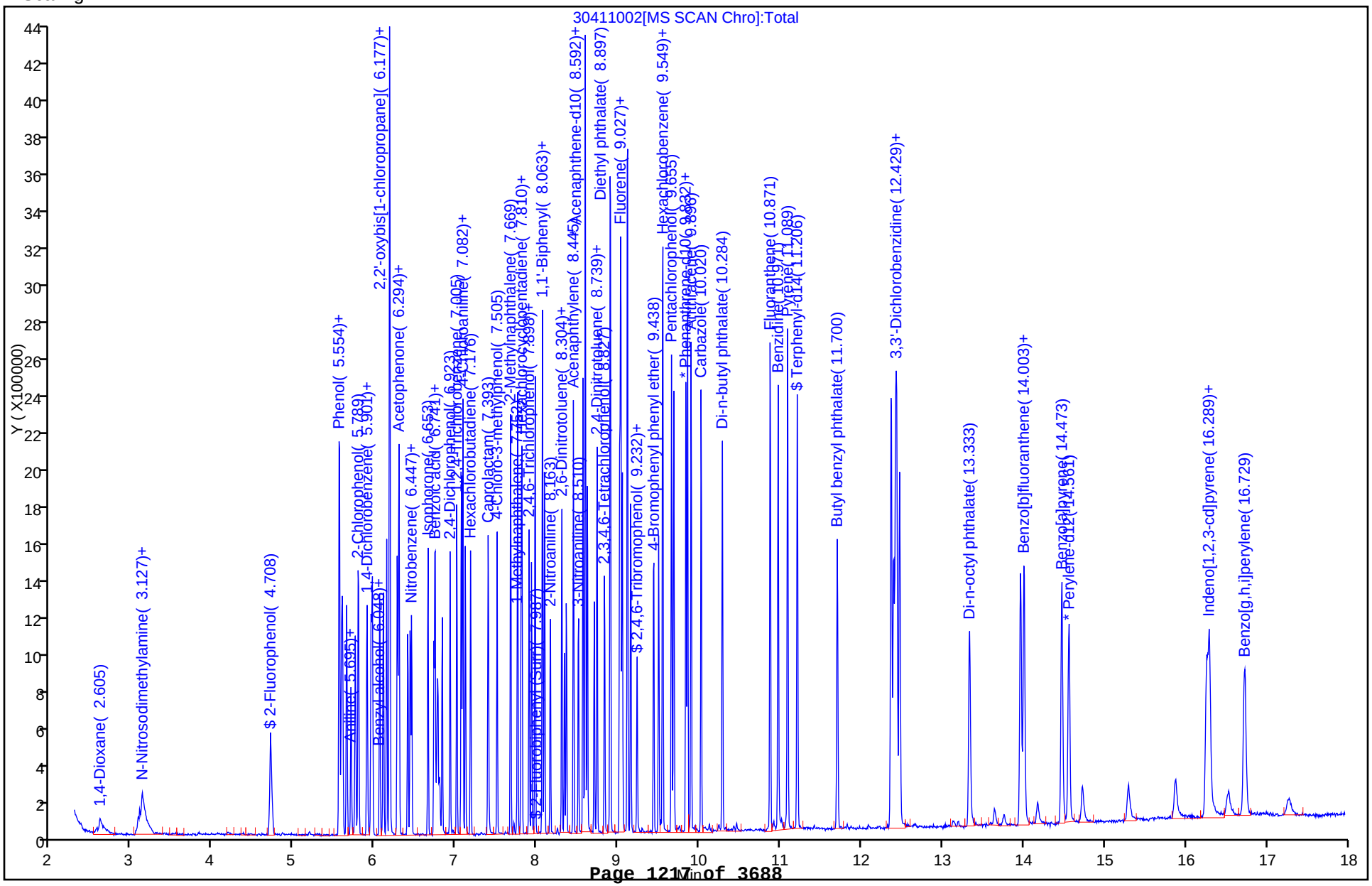
Report Date: 12-Apr-2013 09:42:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411002.D

Injection Date:	11-Apr-2013 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

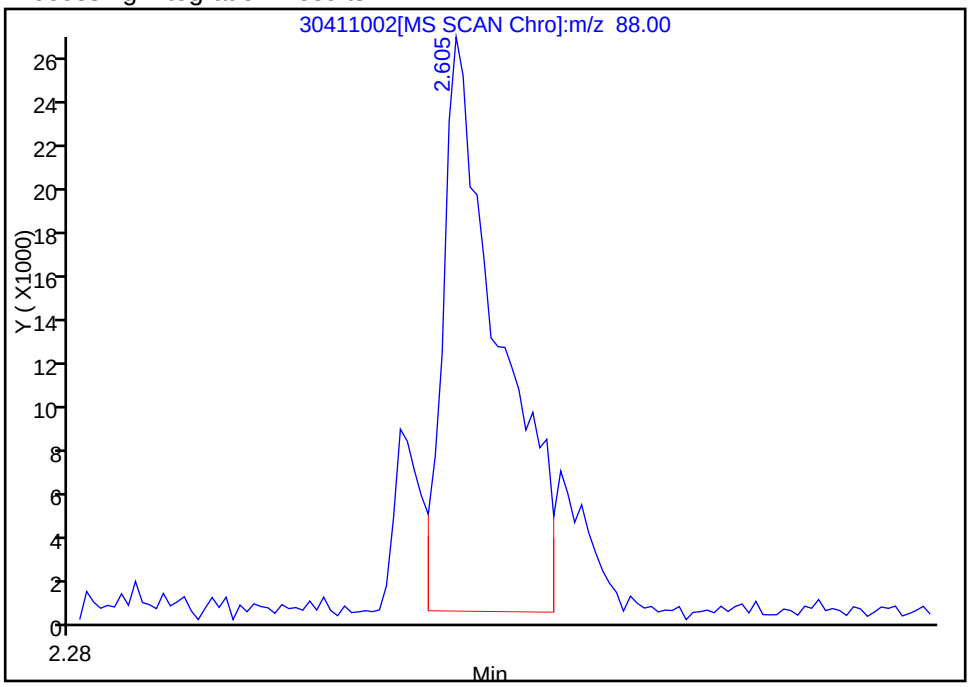
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411002.D		
Injection Date:	11-Apr-2013 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	2
Operator ID:	001710	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: 2.60

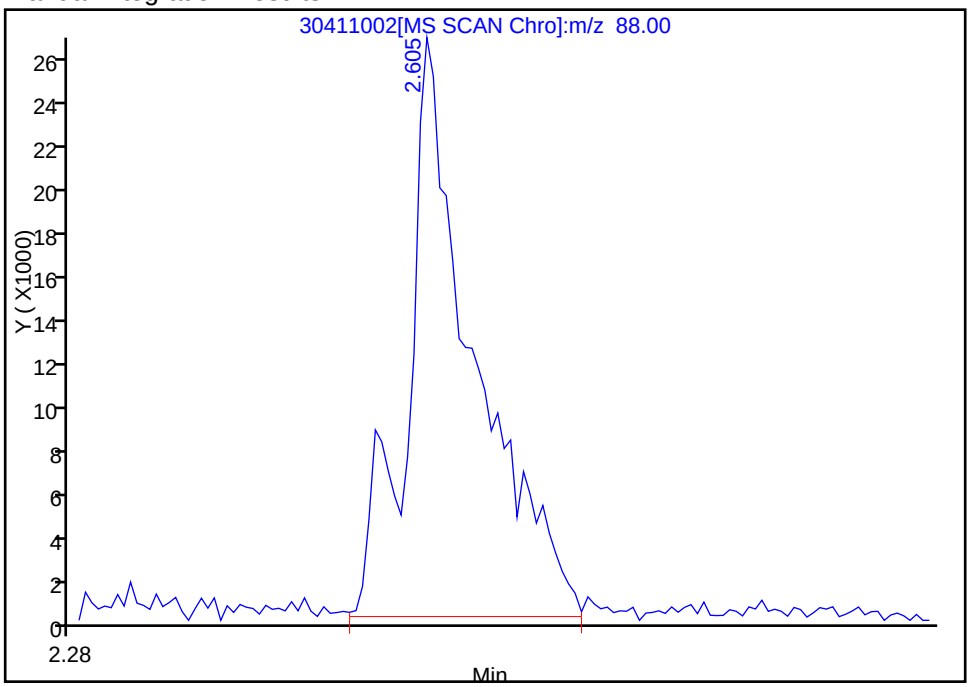
Processing Integration Results

RT: 2.60
Response: 87616
Amount: 4.753622



Manual Integration Results

RT: 2.60
Response: 113217
Amount: 4.891175



Reviewer: gruberj, 12-Apr-2013 08:39:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

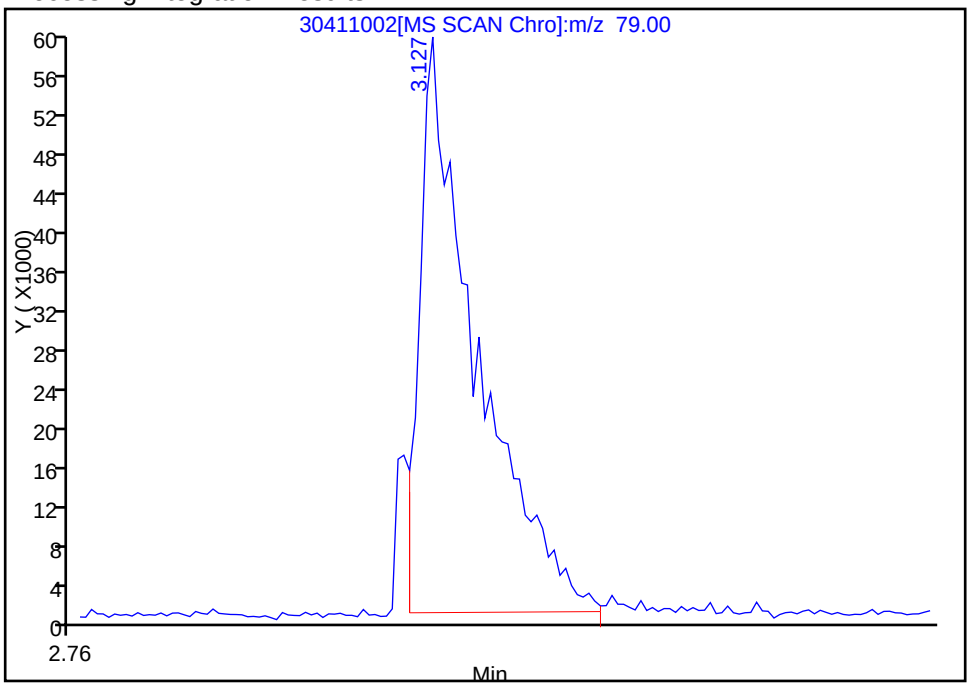
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411002.D		
Injection Date:	11-Apr-2013 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	2
Operator ID:	001710	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: 3.13

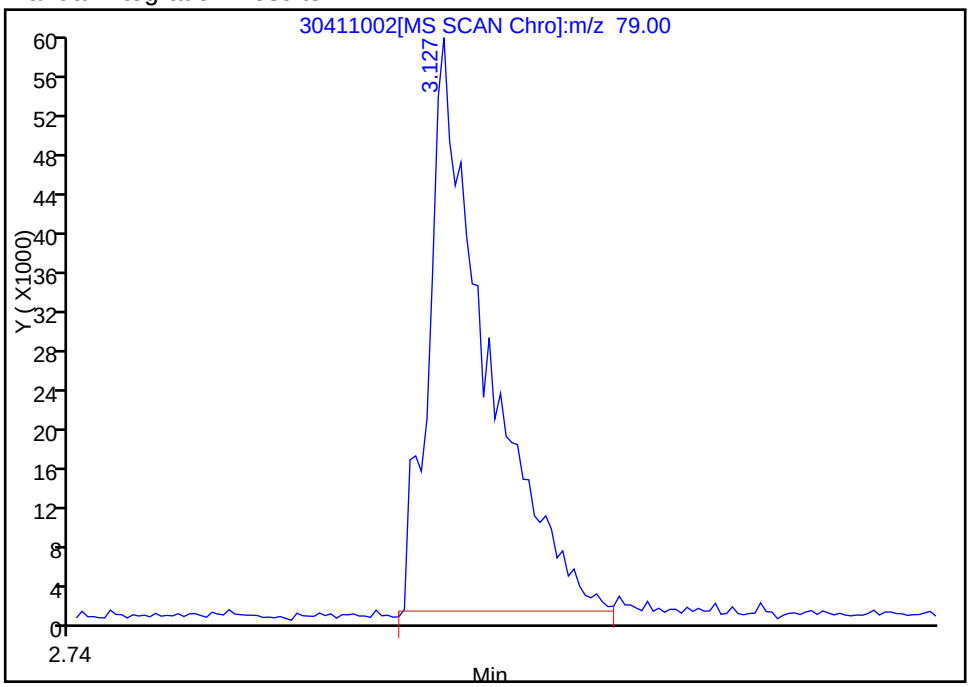
Processing Integration Results

RT: 3.13
Response: 232791
Amount: 4.693698



Manual Integration Results

RT: 3.13
Response: 241604
Amount: 4.730908



Reviewer: gruberj, 12-Apr-2013 08:39:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

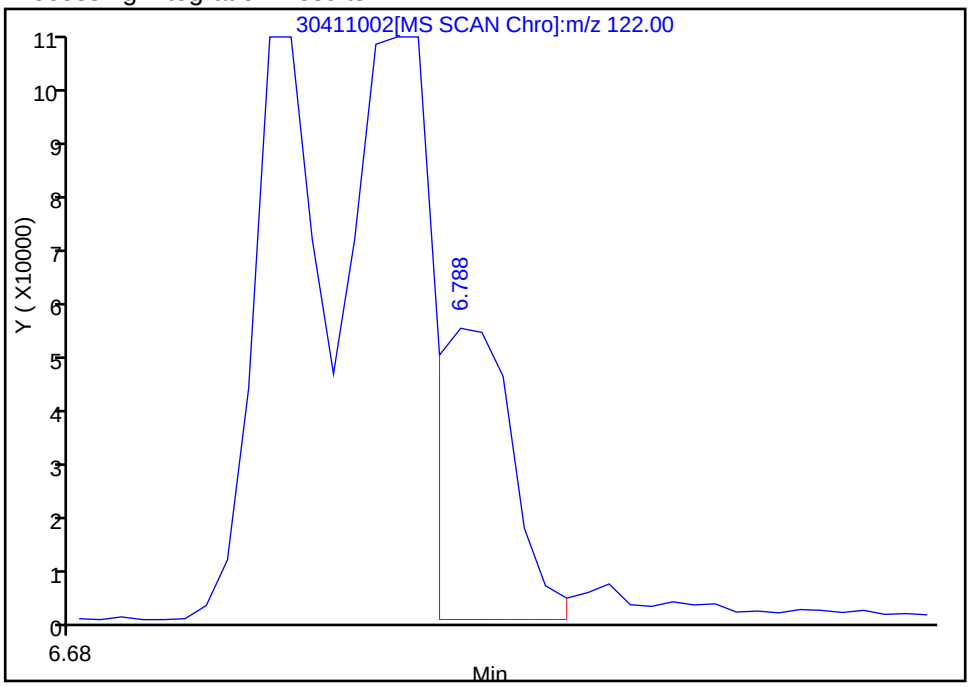
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411002.D		
Injection Date:	11-Apr-2013 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

70 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.77

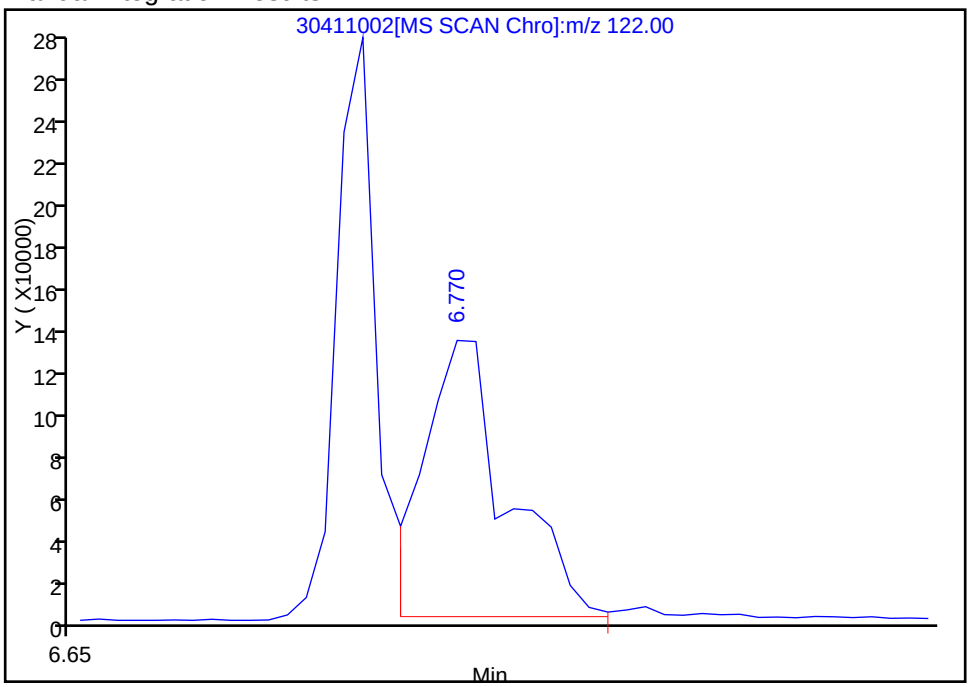
Processing Integration Results

RT: 6.79
Response: 78855
Amount: 4.560751



Manual Integration Results

RT: 6.77
Response: 241835
Amount: 9.465727



Reviewer: gruberj, 12-Apr-2013 08:39:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411003.D		
Lims ID:	std4 lst1	Client ID:	
Inject. Date:	11-Apr-2013 18:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0018790-003		
Misc. Info.:	STD4 LST1 =CCV AP9		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	81609	Lims Sample ID:	3
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:32	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:40:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	165909	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	622921	4.00	
* 3 Acenaphthene-d10	164	8.562	8.562	0.0	91	373289	4.00	
* 4 Phenanthrene-d10	188	9.832	9.832	0.0	98	690264	4.00	
* 5 Chrysene-d12	240	12.434	12.434	0.0	80	731217	4.00	
* 6 Perylene-d12	264	14.561	14.561	0.0	83	590050	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	92	90958	1.90	
$ 8 Phenol-d5	99	5.584	5.583	0.001	95	115038	1.80	
$ 9 Nitrobenzene-d5	82	6.430	6.430	0.0	93	107870	1.85	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	232548	1.93	
$ 11 2,4,6-Tribromophenol	330	9.232	9.232	0.0	87	26408	1.93	
$ 12 Terphenyl-d14	244	11.206	11.206	0.0	98	272821	1.90	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	2.599	2.605	-0.006	57	47473	1.93	M
26 N-Nitrosodimethylamine	74	3.081	3.080	0.001	0	48714	1.76	M
27 Pyridine	79	3.139	3.127	0.012	85	94956	1.85	
41 Benzaldehyde	77	5.554	5.554	0.0	88	181212	4.01	
43 Phenol	94	5.595	5.595	0.0	92	119402	1.90	
44 Aniline	93	5.648	5.648	0.0	94	145706	1.88	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	92	92963	1.91	
47 2-Chlorophenol	128	5.754	5.754	0.0	96	95545	1.88	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	105773	1.93	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	91	102704	1.84	
50 Benzyl alcohol	108	6.059	6.054	0.005	89	62306	1.93	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	94	103511	1.94	
52 2-Methylphenol	108	6.142	6.142	0.0	97	86519	1.89	
53 Indene	115	6.177	6.177	0.0	74	365529	3.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.177	0.0	55	146959	1.97	
56 3 & 4 Methylphenol	108	6.271	6.271	0.0	91	92225	1.93	
57 N-Nitrosodi-n-propylamine	70	6.289	6.289	0.0	88	62719	1.83	
58 Acetophenone	105	6.294	6.294	0.0	89	132615	1.86	
61 Hexachloroethane	117	6.400	6.400	0.0	97	40239	1.86	
62 Nitrobenzene	77	6.447	6.447	0.0	85	109090	2.06	
64 Isophorone	82	6.653	6.653	0.0	97	183544	1.93	
66 2-Nitrophenol	139	6.723	6.723	0.0	95	47968	1.90	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	93	95441	1.97	
70 Benzoic acid	122	6.765	6.770	-0.005	85	82973	3.74	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	95	107632	1.92	
72 2,4-Dichlorophenol	162	6.923	6.923	0.0	97	77111	1.93	
73 1,2,4-Trichlorobenzene	180	7.005	7.005	0.0	91	91758	1.97	
74 Naphthalene	128	7.082	7.082	0.0	92	286602	1.98	
75 4-Chloroaniline	127	7.111	7.111	0.0	90	121294	2.01	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	88	56648	1.98	
83 Caprolactam	113	7.387	7.393	-0.006	71	54163	3.97	
85 4-Chloro-3-methylphenol	107	7.505	7.505	0.0	91	82015	1.93	
87 2-Methylnaphthalene	142	7.669	7.669	0.0	90	189083	1.95	
88 1-Methylnaphthalene	142	7.758	7.757	0.001	80	176733	1.94	
89 Hexachlorocyclopentadiene	237	7.799	7.799	0.0	96	56659	1.91	
92 1,2,4,5-Tetrachlorobenzene	216	7.810	7.810	0.0	94	100934	2.04	
93 2,4,6-Trichlorophenol	196	7.899	7.898	0.001	93	61912	2.01	
94 2,4,5-Trichlorophenol	196	7.928	7.928	0.0	96	64027	2.01	
98 1,1'-Biphenyl	154	8.063	8.063	0.0	96	233588	1.94	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	95	181990	1.98	
102 2-Nitroaniline	65	8.163	8.163	0.0	78	51178	1.81	
105 Dimethyl phthalate	163	8.304	8.304	0.0	98	196808	1.89	
106 1,3-Dinitrobenzene	168	8.339	8.333	0.006	84	28524	1.95	
107 2,6-Dinitrotoluene	165	8.363	8.357	0.006	87	43396	1.90	
109 Acenaphthylene	152	8.445	8.445	0.0	93	289640	1.98	
110 3-Nitroaniline	138	8.510	8.510	0.0	90	45929	1.89	
112 Acenaphthene	153	8.592	8.592	0.0	92	197799	1.95	
111 2,4-Dinitrophenol	184	8.592	8.592	0.0	59	47020	4.08	
113 4-Nitrophenol	109	8.615	8.615	0.0	94	53838	3.90	
114 2,4-Dinitrotoluene	165	8.703	8.703	0.0	87	56656	1.91	
116 Dibenzofuran	168	8.739	8.739	0.0	88	272285	1.99	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	68	52142	1.87	
121 Diethyl phthalate	149	8.897	8.897	0.0	96	210620	1.95	
123 4-Chlorophenyl phenyl ether	204	9.015	9.015	0.0	91	114212	1.95	
126 Fluorene	166	9.033	9.032	0.0	91	216784	1.95	
125 4-Nitroaniline	138	9.027	9.027	0.0	82	47031	1.84	
128 4,6-Dinitro-2-methylphenol	198	9.050	9.050	0.0	82	64543	3.49	
129 N-Nitrosodiphenylamine	169	9.115	9.115	0.0	86	316413	3.88	
132 Azobenzene	77	9.150	9.150	0.0	99	214273	1.95	
131 1,2-Diphenylhydrazine	77	9.150	9.150	0.0	98	214273	1.95	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	62	62072	2.02	
141 Hexachlorobenzene	284	9.497	9.497	0.0	88	61873	1.98	
142 Atrazine	200	9.550	9.549	0.001	92	126618	4.09	
144 Pentachlorophenol	266	9.655	9.655	0.0	87	75597	3.79	
149 Phenanthrene	178	9.855	9.855	0.0	96	311780	1.95	
150 Anthracene	178	9.896	9.896	0.0	98	315893	1.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.020	10.020	0.0	83	294031	2.00	
155 Di-n-butyl phthalate	149	10.284	10.284	0.0	100	337508	1.88	
160 Fluoranthene	202	10.872	10.871	0.001	98	363378	1.92	
161 Benzidine	184	10.971	10.971	0.0	97	322117	4.24	
162 Pyrene	202	11.089	11.089	0.0	95	377058	2.00	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	97	136037	1.89	
177 3,3'-Dichlorobenzidine	252	12.370	12.370	0.0	66	230130	3.86	
175 Bis(2-ethylhexyl) phthalate	149	12.399	12.399	0.0	96	191723	1.89	
179 Benzo[a]anthracene	228	12.423	12.423	0.0	95	353258	1.94	
180 Chrysene	228	12.476	12.470	0.006	92	328187	1.97	
182 Di-n-octyl phthalate	149	13.339	13.333	0.006	98	269976	1.81	
184 Benzo[b]fluoranthene	252	13.968	13.962	0.006	91	298800	1.89	
185 Benzo[k]fluoranthene	252	14.009	14.003	0.006	86	331366	1.92	
186 Benzo[a]pyrene	252	14.473	14.473	0.0	77	280829	1.91	
190 Indeno[1,2,3-cd]pyrene	276	16.259	16.259	0.0	99	298487	1.85	
191 Dibenz(a,h)anthracene	278	16.295	16.295	0.0	80	244309	1.82	
192 Benzo[g,h,i]perylene	276	16.730	16.729	0.001	90	245044	1.78	
S 193 Methyl Phenols,Total	100				0		3.82	

QC Flag Legend

Review Flags
M - Manually Integrated

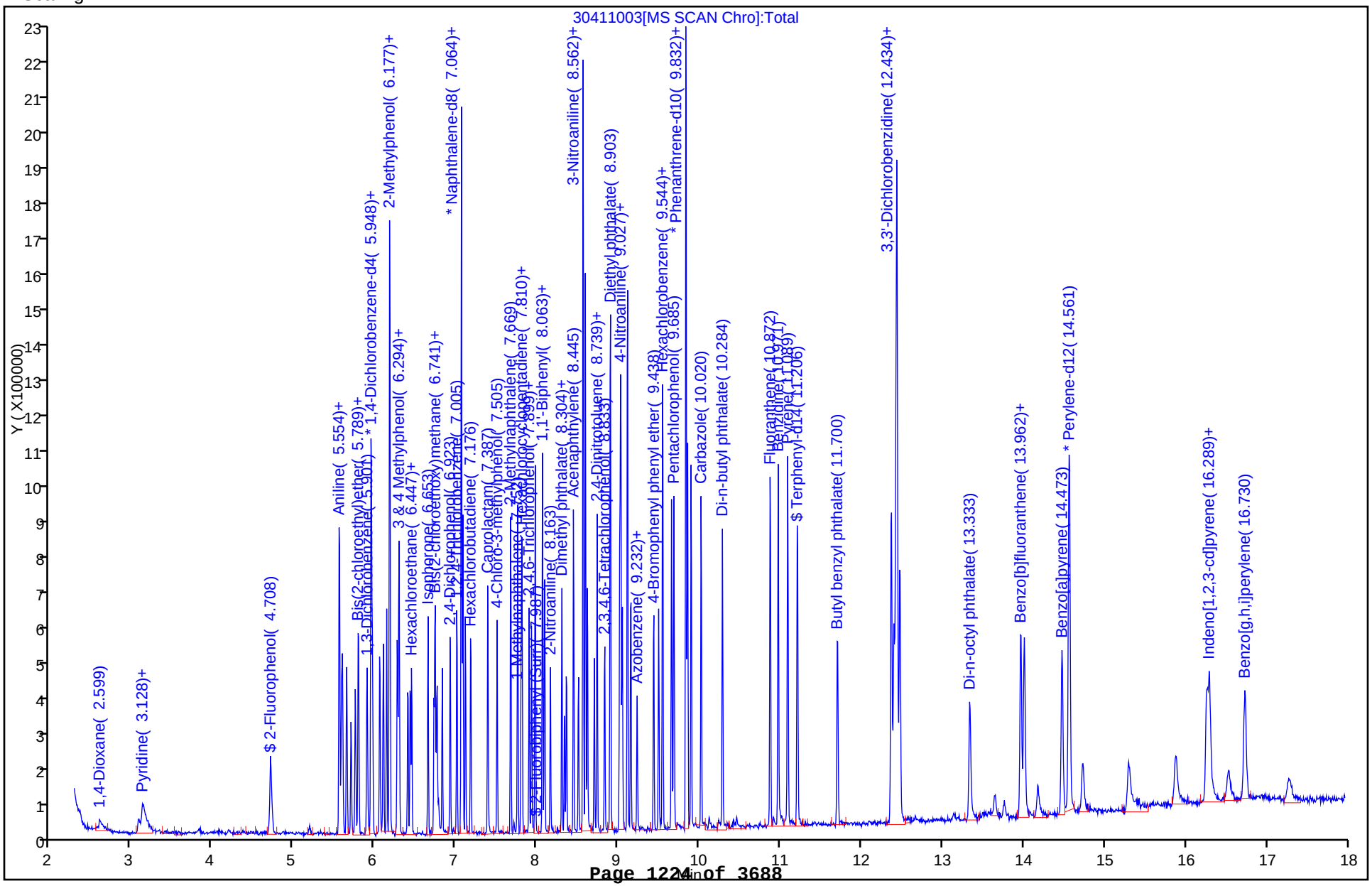
Report Date: 12-Apr-2013 09:42:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411003.D

Injection Date:	11-Apr-2013 18:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

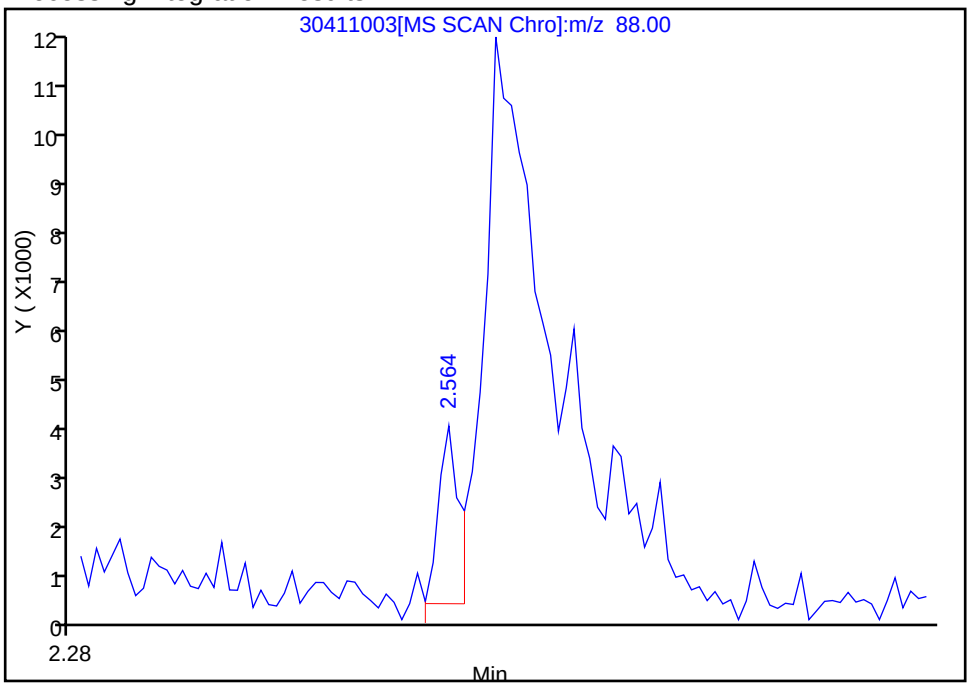
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411003.D		
Injection Date:	11-Apr-2013 18:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	3
Operator ID:	001710	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: 2.60

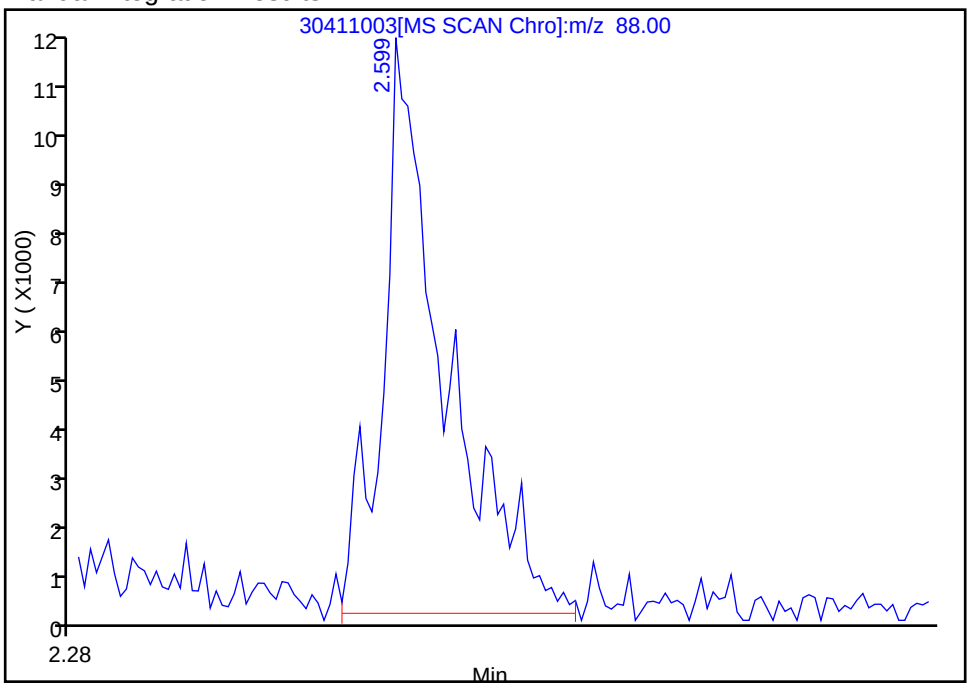
Processing Integration Results

RT: 2.56
Response: 3762
Amount: 0.410081



Manual Integration Results

RT: 2.60
Response: 47473
Amount: 1.928560



Reviewer: gruberj, 12-Apr-2013 08:40:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

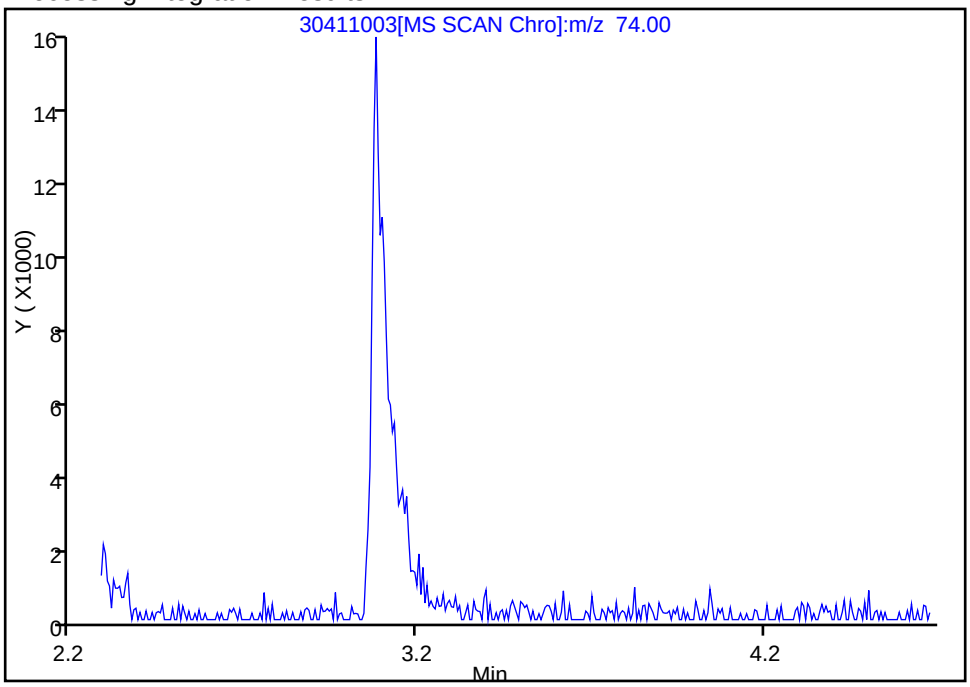
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411003.D		
Injection Date:	11-Apr-2013 18:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.08

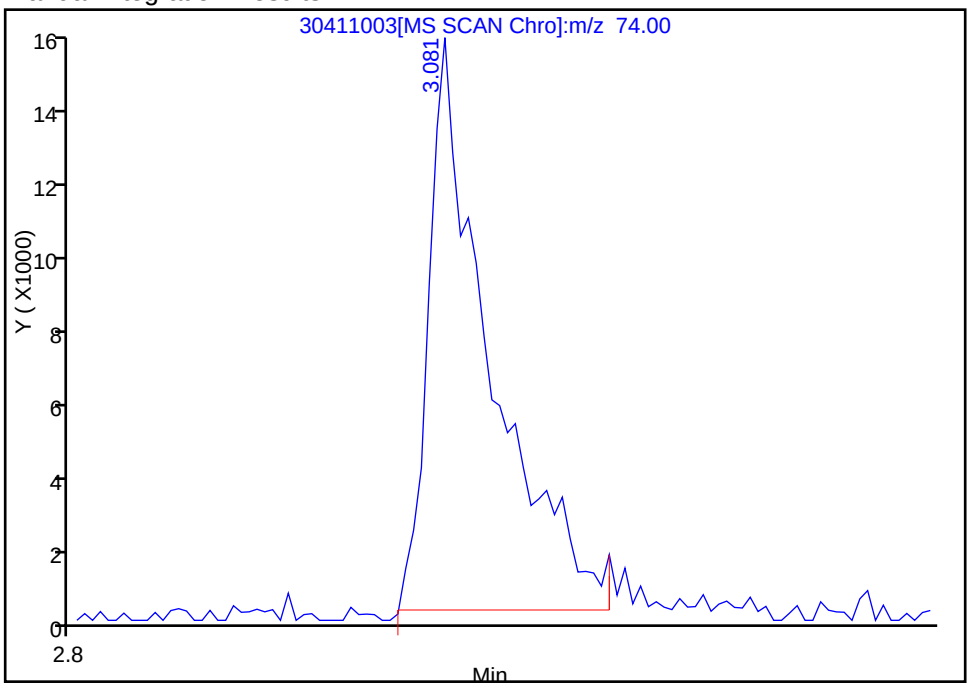
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Response: 48714
Amount: 1.761345



Reviewer: gruberj, 12-Apr-2013 08:40:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411004.D		
Lims ID:	std3 lst1	Client ID:	
Inject. Date:	11-Apr-2013 18:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018790-004		
Misc. Info.:	STD3 LST1 =MB 240-81332/8-A		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	81609	Lims Sample ID:	4
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:33	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:41:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	147429	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	99	571191	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	91	337311	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	98	631084	4.00	
* 5 Chrysene-d12	240	12.440	12.434	0.006	80	653616	4.00	
* 6 Perylene-d12	264	14.561	14.561	0.0	98	518830	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	89	41692	0.9775	
$ 8 Phenol-d5	99	5.584	5.583	0.001	83	58117	1.02	
$ 9 Nitrobenzene-d5	82	6.430	6.430	0.0	90	47979	0.8983	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	98	103329	0.9501	
$ 11 2,4,6-Tribromophenol	330	9.232	9.232	0.0	80	11857	0.9609	
$ 12 Terphenyl-d14	244	11.206	11.206	0.0	98	115574	0.8987	
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
25 1,4-Dioxane	88	2.605	2.605	0.0	66	22470	0.9364	M
26 N-Nitrosodimethylamine	74	3.092	3.080	0.012	90	21220	0.8634	M
27 Pyridine	79	3.145	3.127	0.018	94	43683	0.9583	
41 Benzaldehyde	77	5.554	5.554	0.0	89	78743	1.96	
43 Phenol	94	5.595	5.595	0.0	93	52217	0.9339	
44 Aniline	93	5.648	5.648	0.0	94	64273	0.9333	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	90	42542	0.9830	
47 2-Chlorophenol	128	5.754	5.754	0.0	93	42482	0.9421	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	95	46541	0.9548	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	89	47915	0.9635	
50 Benzyl alcohol	108	6.059	6.054	0.005	90	27328	0.9545	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	91	47938	1.01	
52 2-Methylphenol	108	6.142	6.142	0.0	98	38481	0.9452	
53 Indene	115	6.177	6.177	0.0	78	156104	1.86	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.177	0.0	56	65259	0.9865	
56 3 & 4 Methylphenol	108	6.271	6.271	0.0	94	38715	0.9126	
57 N-Nitrosodi-n-propylamine	70	6.289	6.289	0.0	91	30501	1.00	
58 Acetophenone	105	6.295	6.294	0.001	89	59854	0.9463	
61 Hexachloroethane	117	6.400	6.400	0.0	94	19869	1.03	
62 Nitrobenzene	77	6.447	6.447	0.0	87	45496	0.9368	
64 Isophorone	82	6.653	6.653	0.0	96	85728	0.9838	
66 2-Nitrophenol	139	6.723	6.723	0.0	92	19477	0.8401	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	92	41451	0.9321	
70 Benzoic acid	122	6.753	6.770	-0.017	83	34463	1.97	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	94	45666	0.8896	
72 2,4-Dichlorophenol	162	6.923	6.923	0.0	96	33229	0.9089	
73 1,2,4-Trichlorobenzene	180	7.005	7.005	0.0	86	41318	0.9650	
74 Naphthalene	128	7.082	7.082	0.0	97	124268	0.9378	
75 4-Chloroaniline	127	7.111	7.111	0.0	84	51618	0.9348	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	87	25988	0.99	
83 Caprolactam	113	7.387	7.393	-0.006	76	25916	2.07	
85 4-Chloro-3-methylphenol	107	7.505	7.505	0.0	86	33930	0.8686	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	86	84651	0.9497	
88 1-Methylnaphthalene	142	7.758	7.757	0.001	79	81772	0.9782	
89 Hexachlorocyclopentadiene	237	7.805	7.799	0.006	92	24092	0.8997	
92 1,2,4,5-Tetrachlorobenzene	216	7.810	7.810	0.0	96	42448	0.9481	
93 2,4,6-Trichlorophenol	196	7.899	7.898	0.001	94	25520	0.9172	
94 2,4,5-Trichlorophenol	196	7.928	7.928	0.0	86	25900	0.8976	
98 1,1'-Biphenyl	154	8.063	8.063	0.0	97	101163	0.9276	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	97	79364	0.9563	
102 2-Nitroaniline	65	8.163	8.163	0.0	71	23386	0.9163	
105 Dimethyl phthalate	163	8.304	8.304	0.0	98	90860	0.9634	
106 1,3-Dinitrobenzene	168	8.339	8.333	0.006	87	12949	1.08	
107 2,6-Dinitrotoluene	165	8.363	8.357	0.006	82	18273	0.8870	
109 Acenaphthylene	152	8.451	8.445	0.006	86	123712	0.9361	
110 3-Nitroaniline	138	8.510	8.510	0.0	90	17426	0.9451	
112 Acenaphthene	153	8.592	8.592	0.0	92	86005	0.9365	
111 2,4-Dinitrophenol	184	8.598	8.592	0.006	50	16415	2.31	
113 4-Nitrophenol	109	8.621	8.615	0.006	92	21620	2.03	
114 2,4-Dinitrotoluene	165	8.704	8.703	0.001	80	21056	0.9499	
116 Dibenzofuran	168	8.739	8.739	0.0	84	118010	0.9534	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	67	23549	0.9343	
121 Diethyl phthalate	149	8.897	8.897	0.0	95	95600	0.9817	
123 4-Chlorophenyl phenyl ether	204	9.015	9.015	0.0	92	52994	1.00	
125 4-Nitroaniline	138	9.027	9.027	0.0	82	20418	0.8847	
126 Fluorene	166	9.033	9.032	0.001	75	98484	0.9787	
128 4,6-Dinitro-2-methylphenol	198	9.050	9.050	0.0	82	24885	1.96	
129 N-Nitrosodiphenylamine	169	9.115	9.115	0.0	97	138810	1.86	
131 1,2-Diphenylhydrazine	77	9.156	9.150	0.006	95	96537	0.9626	
132 Azobenzene	77	9.156	9.150	0.006	99	96999	0.9672	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	61	27021	0.9600	
141 Hexachlorobenzene	284	9.497	9.497	0.0	87	28543	1.00	
142 Atrazine	200	9.550	9.549	0.001	93	53965	1.91	
144 Pentachlorophenol	266	9.655	9.655	0.0	85	31861	2.02	
149 Phenanthrene	178	9.855	9.855	0.0	96	141845	0.9693	
150 Anthracene	178	9.896	9.896	0.0	98	138944	0.9550	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.020	10.020	0.0	83	131456	0.9804	
155 Di-n-butyl phthalate	149	10.284	10.284	0.0	99	158879	0.9687	
160 Fluoranthene	202	10.872	10.871	0.001	99	154743	0.8964	
161 Benzidine	184	10.971	10.971	0.0	94	146604	2.16	
162 Pyrene	202	11.089	11.089	0.0	95	160116	0.9486	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	97	55525	0.8634	
177 3,3'-Dichlorobenzidine	252	12.370	12.370	0.0	71	93330	1.75	
175 Bis(2-ethylhexyl) phthalate	149	12.399	12.399	0.0	96	78819	0.8711	
179 Benzo[a]anthracene	228	12.423	12.423	0.0	97	155494	0.9562	
180 Chrysene	228	12.470	12.470	0.0	88	138022	0.9247	
182 Di-n-octyl phthalate	149	13.333	13.333	0.0	98	93267	0.9478	
184 Benzo[b]fluoranthene	252	13.968	13.962	0.006	82	126589	0.9091	
185 Benzo[k]fluoranthene	252	14.009	14.003	0.006	83	142426	0.9404	
186 Benzo[a]pyrene	252	14.473	14.473	0.0	75	116802	0.9035	
190 Indeno[1,2,3-cd]pyrene	276	16.259	16.259	0.0	85	120947	0.8529	
191 Dibenz(a,h)anthracene	278	16.295	16.295	0.0	76	101656	0.8599	
192 Benzo[g,h,i]perylene	276	16.730	16.729	0.001	76	106360	0.8788	
S 193 Methyl Phenols,Total	100				0		1.86	

QC Flag Legend

Review Flags
M - Manually Integrated

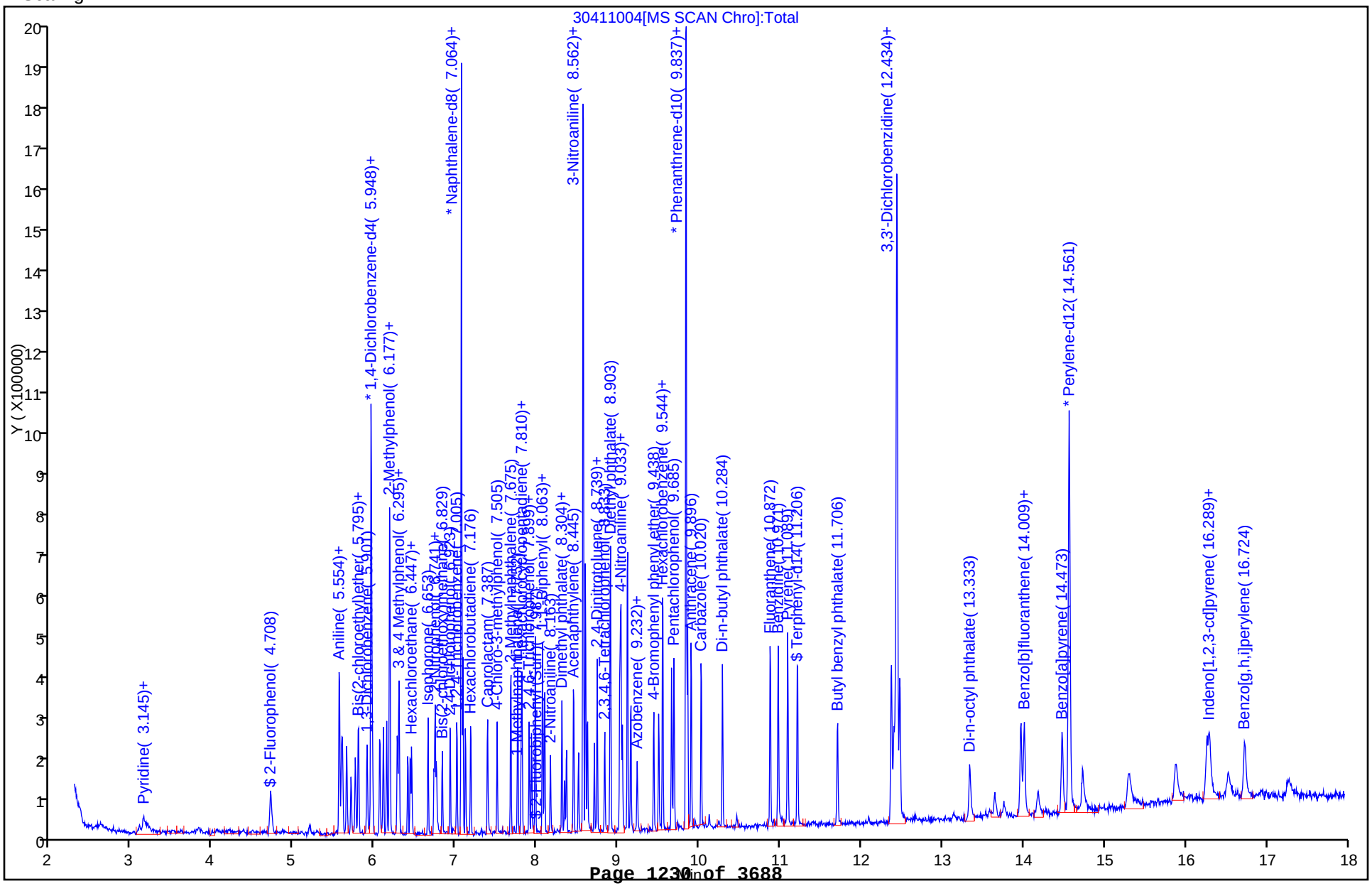
Report Date: 12-Apr-2013 09:42:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411004.D

Injection Date:	11-Apr-2013 18:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

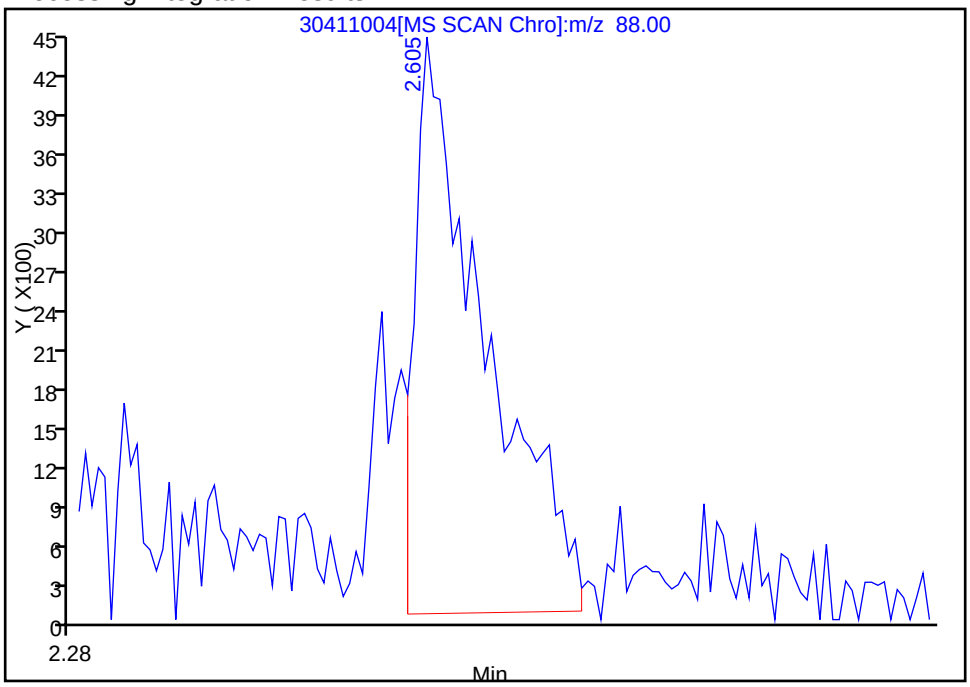
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411004.D		
Injection Date:	11-Apr-2013 18:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	4
Operator ID:	001710	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: 2.60

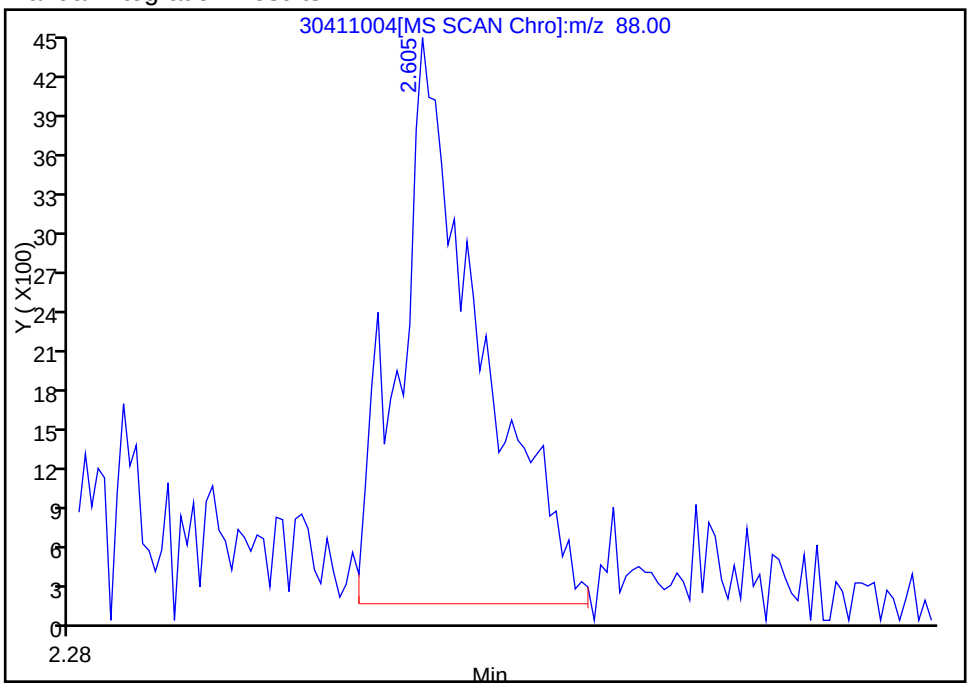
Processing Integration Results

RT: 2.60
Response: 19682
Amount: 1.024443



Manual Integration Results

RT: 2.60
Response: 22470
Amount: 0.936389



Reviewer: gruberj, 12-Apr-2013 08:41:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

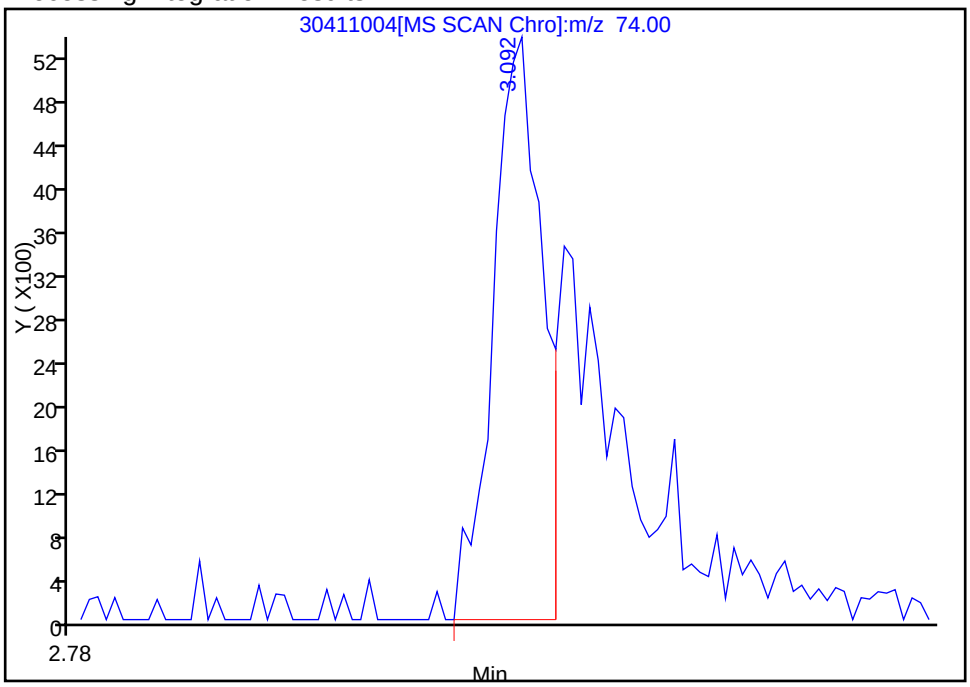
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411004.D		
Injection Date:	11-Apr-2013 18:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.08

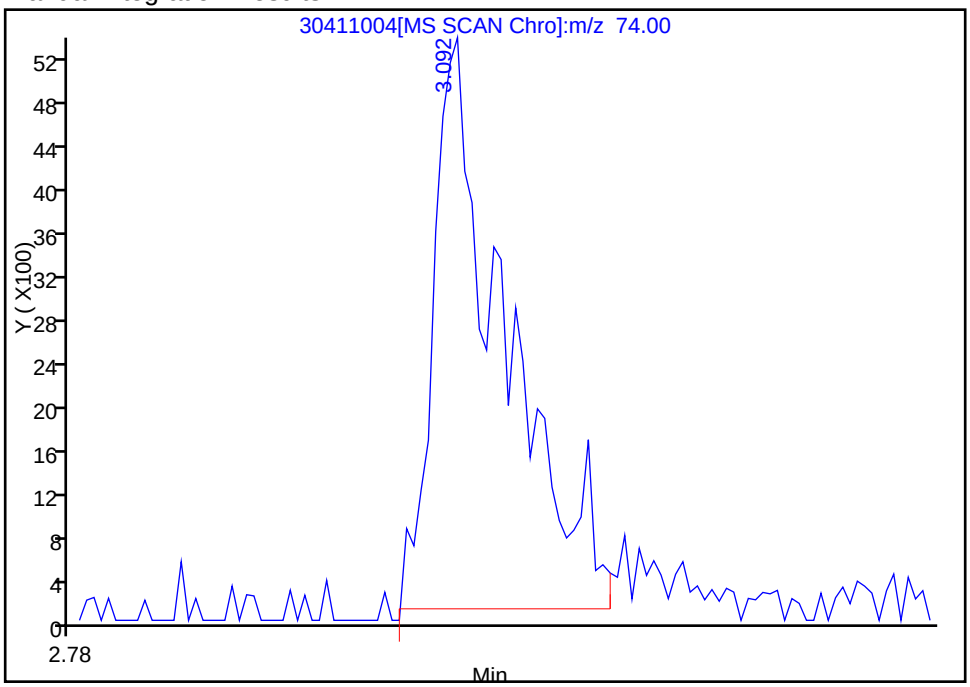
Processing Integration Results

RT: 3.09
Response: 12794
Amount: 0.833243



Manual Integration Results

RT: 3.09
Response: 21220
Amount: 0.863422



Reviewer: gruberj, 12-Apr-2013 08:41:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Lims ID:	std2 lst1	Client ID:	
Inject. Date:	11-Apr-2013 19:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018790-005		
Misc. Info.:	STD2 LST1 =LCS 240-81332/9-A		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	81609	Lims Sample ID:	5
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:35	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:43:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	155455	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	602005	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	93	364902	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	98	686745	4.00	
* 5 Chrysene-d12	240	12.440	12.434	0.006	81	709120	4.00	
* 6 Perylene-d12	264	14.561	14.561	0.0	94	551986	4.00	
$ 7 2-Fluorophenol	112	4.714	4.708	0.006	85	21754	0.4837	
$ 8 Phenol-d5	99	5.583	5.583	0.0	91	31631	0.5277	
$ 9 Nitrobenzene-d5	82	6.429	6.430	-0.001	87	24603	0.4371	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	98	54644	0.4645	
$ 11 2,4,6-Tribromophenol	330	9.232	9.232	0.0	69	6248	0.4680	
$ 12 Terphenyl-d14	244	11.212	11.206	0.006	97	70948	0.5085	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	2.610	2.605	0.005	59	16216	0.5795	M
26 N-Nitrosodimethylamine	74	3.098	3.080	0.018	72	11935	0.4606	M
27 Pyridine	79	3.151	3.127	0.024	83	21426	0.4458	M
41 Benzaldehyde	77	5.554	5.554	0.0	88	41129	0.9725	
43 Phenol	94	5.595	5.595	0.0	89	29924	0.5075	
44 Aniline	93	5.648	5.648	0.0	91	34557	0.4759	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	83	23772	0.5209	
47 2-Chlorophenol	128	5.754	5.754	0.0	92	23853	0.5017	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	92	24460	0.4759	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	75	25863	0.4932	
50 Benzyl alcohol	108	6.059	6.054	0.005	90	13802	0.4572	
51 1,2-Dichlorobenzene	146	6.100	6.101	-0.001	94	24202	0.4837	
52 2-Methylphenol	108	6.142	6.142	0.0	94	19733	0.4597	
53 Indene	115	6.177	6.177	0.0	81	85891	0.9700	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.177	0.0	48	34056	0.4882	
56 3 & 4 Methylphenol	108	6.271	6.271	0.0	93	19065	0.4262	
57 N-Nitrosodi-n-propylamine	70	6.288	6.289	-0.001	81	14155	0.4420	
58 Acetophenone	105	6.294	6.294	0.0	91	32595	0.4887	
61 Hexachloroethane	117	6.400	6.400	0.0	87	9469	0.4672	
62 Nitrobenzene	77	6.447	6.447	0.0	85	22083	0.4314	
64 Isophorone	82	6.653	6.653	0.0	93	40501	0.4410	
66 2-Nitrophenol	139	6.723	6.723	0.0	94	11162	0.4568	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	93	22771	0.4859	
70 Benzoic acid	122	6.741	6.770	-0.029	67	31871	1.79	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	96	26240	0.4850	
72 2,4-Dichlorophenol	162	6.929	6.923	0.006	90	16521	0.4288	
73 1,2,4-Trichlorobenzene	180	7.005	7.005	0.0	87	21585	0.4783	
74 Naphthalene	128	7.082	7.082	0.0	94	66890	0.4790	
75 4-Chloroaniline	127	7.117	7.111	0.006	93	25968	0.4462	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	87	12593	0.4561	
83 Caprolactam	113	7.387	7.393	-0.006	73	12290	0.9310	
85 4-Chloro-3-methylphenol	107	7.505	7.505	0.0	91	18631	0.4525	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	85	45100	0.4801	
88 1-Methylnaphthalene	142	7.757	7.757	0.0	89	39669	0.4503	
89 Hexachlorocyclopentadiene	237	7.798	7.799	-0.001	90	11210	0.3870	
92 1,2,4,5-Tetrachlorobenzene	216	7.810	7.810	0.0	95	22274	0.4599	
93 2,4,6-Trichlorophenol	196	7.898	7.898	0.0	85	12486	0.4148	
94 2,4,5-Trichlorophenol	196	7.928	7.928	0.0	87	11947	0.3827	
98 1,1'-Biphenyl	154	8.063	8.063	0.0	97	54974	0.4659	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	92	40645	0.4527	
102 2-Nitroaniline	65	8.163	8.163	0.0	73	12047	0.4363	
105 Dimethyl phthalate	163	8.304	8.304	0.0	98	49472	0.4849	
106 1,3-Dinitrobenzene	168	8.339	8.333	0.006	78	6063	0.5730	
107 2,6-Dinitrotoluene	165	8.363	8.357	0.006	65	9021	0.4048	
109 Acenaphthylene	152	8.451	8.445	0.006	94	61980	0.4335	
110 3-Nitroaniline	138	8.509	8.510	-0.001	85	9622	0.6113	
112 Acenaphthene	153	8.592	8.592	0.0	94	46636	0.4694	
111 2,4-Dinitrophenol	184		8.592					9
113 4-Nitrophenol	109	8.621	8.615	0.006	77	8926	1.11	
114 2,4-Dinitrotoluene	165	8.703	8.703	0.0	70	10980	0.6022	
116 Dibenzofuran	168	8.739	8.739	0.0	89	62615	0.4676	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	65	11272	0.4134	
121 Diethyl phthalate	149	8.897	8.897	0.0	95	53280	0.5057	
123 4-Chlorophenyl phenyl ether	204	9.021	9.015	0.006	87	26505	0.4625	
125 4-Nitroaniline	138	9.026	9.027	-0.001	77	9611	0.3849	
126 Fluorene	166	9.032	9.032	0.0	74	48194	0.4427	
128 4,6-Dinitro-2-methylphenol	198	9.050	9.050	0.0	71	9577	1.24	
129 N-Nitrosodiphenylamine	169	9.115	9.115	0.0	95	72547	0.8937	
131 1,2-Diphenylhydrazine	77	9.156	9.150	0.006	97	50341	0.4613	
132 Azobenzene	77	9.156	9.150	0.006	97	50309	0.4610	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	67	12979	0.4237	
141 Hexachlorobenzene	284	9.502	9.497	0.005	90	14818	0.4773	
142 Atrazine	200	9.549	9.549	0.0	90	26777	0.8695	
144 Pentachlorophenol	266	9.661	9.655	0.006	82	13906	1.11	
149 Phenanthrene	178	9.855	9.855	0.0	96	73146	0.4594	
150 Anthracene	178	9.896	9.896	0.0	82	69781	0.4407	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.025	10.020	0.005	82	67174	0.4604	
155 Di-n-butyl phthalate	149	10.284	10.284	0.0	100	79716	0.4466	
160 Fluoranthene	202	10.871	10.871	0.0	98	83881	0.4465	
161 Benzidine	184	10.971	10.971	0.0	96	71149	0.9652	
162 Pyrene	202	11.089	11.089	0.0	96	82865	0.4525	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	89	26854	0.3849	
177 3,3'-Dichlorobenzidine	252	12.370	12.370	0.0	59	41792	0.7223	
175 Bis(2-ethylhexyl) phthalate	149	12.399	12.399	0.0	87	37896	0.3861	
179 Benzo[a]anthracene	228	12.423	12.423	0.0	89	80043	0.4537	
180 Chrysene	228	12.470	12.470	0.0	79	69446	0.4288	
182 Di-n-octyl phthalate	149	13.333	13.333	0.0	91	42479	0.6289	
184 Benzo[b]fluoranthene	252	13.968	13.962	0.006	88	58877	0.3974	
185 Benzo[k]fluoranthene	252	14.009	14.003	0.006	94	70996	0.4406	
186 Benzo[a]pyrene	252	14.479	14.473	0.006	69	56321	0.4095	
190 Indeno[1,2,3-cd]pyrene	276	16.259	16.259	0.0	85	62924	0.4171	M
191 Dibenz(a,h)anthracene	278	16.295	16.295	0.0	61	51347	0.4082	M
192 Benzo[g,h,i]perylene	276	16.729	16.729	0.0	86	55155	0.4283	
S 193 Methyl Phenols,Total	100				0		0.8859	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

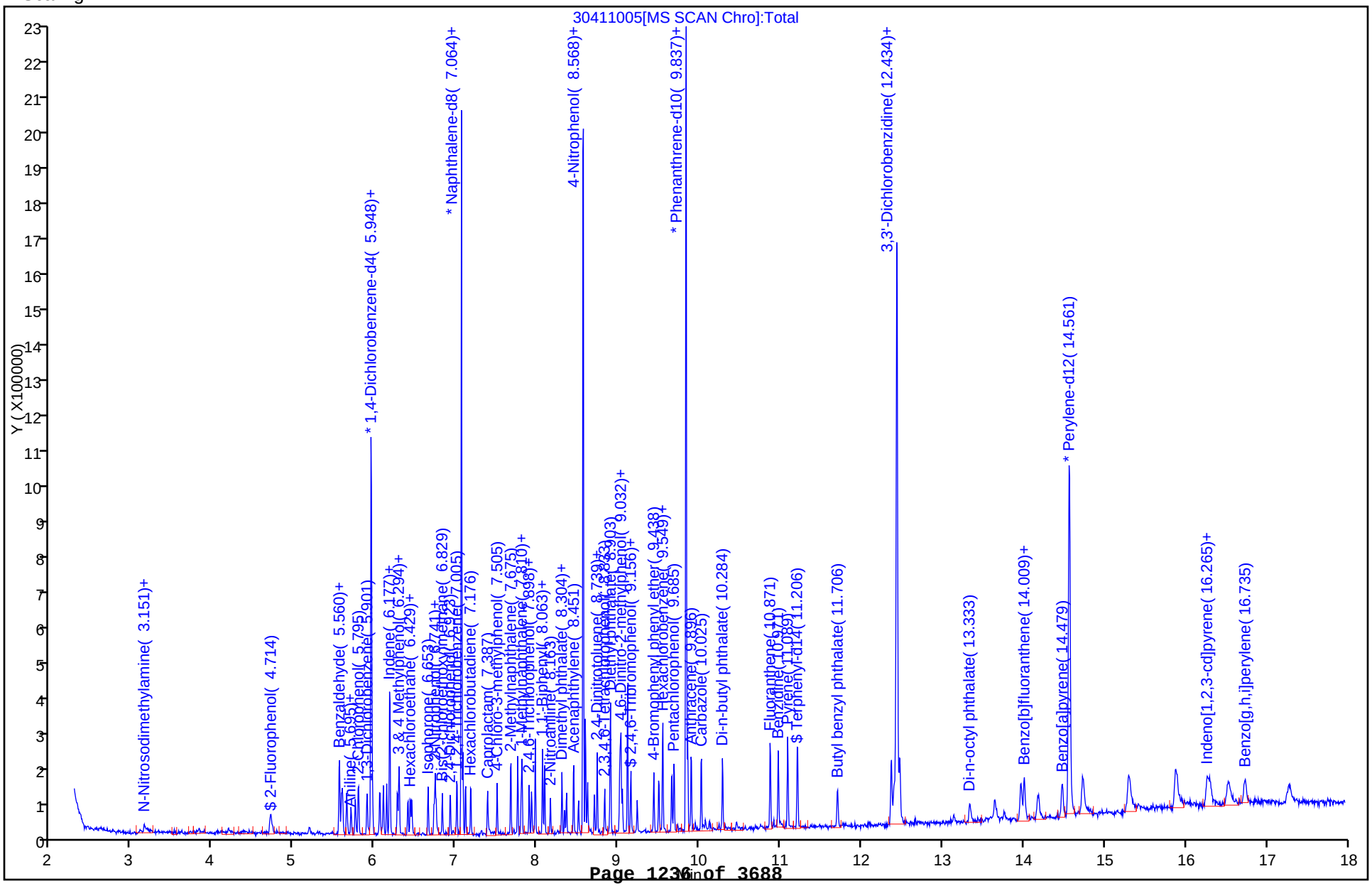
Report Date: 12-Apr-2013 09:42:35 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D

Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

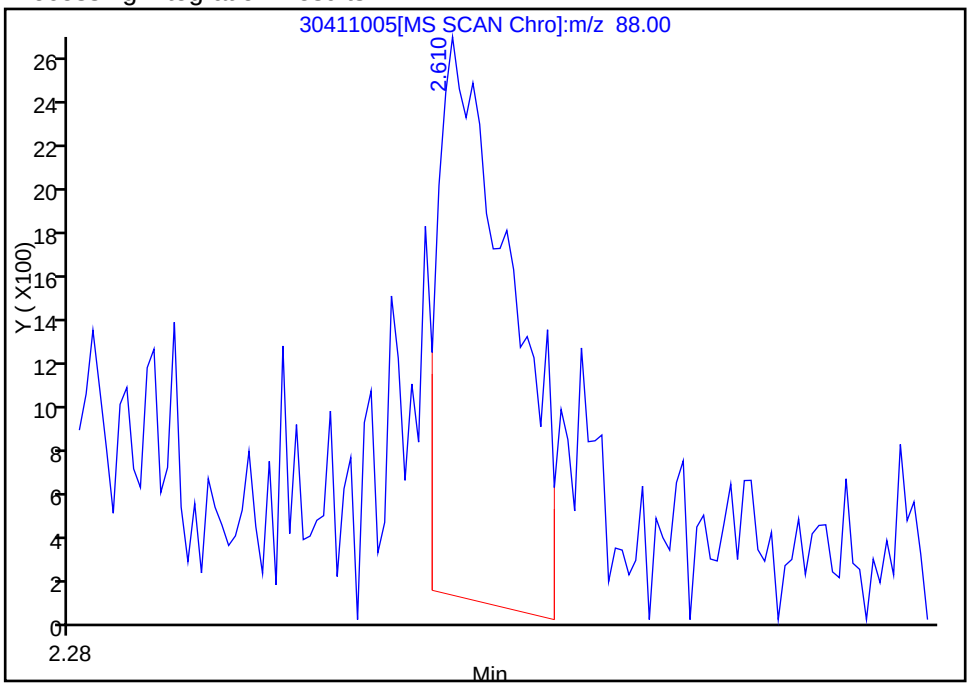
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	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: 2.60

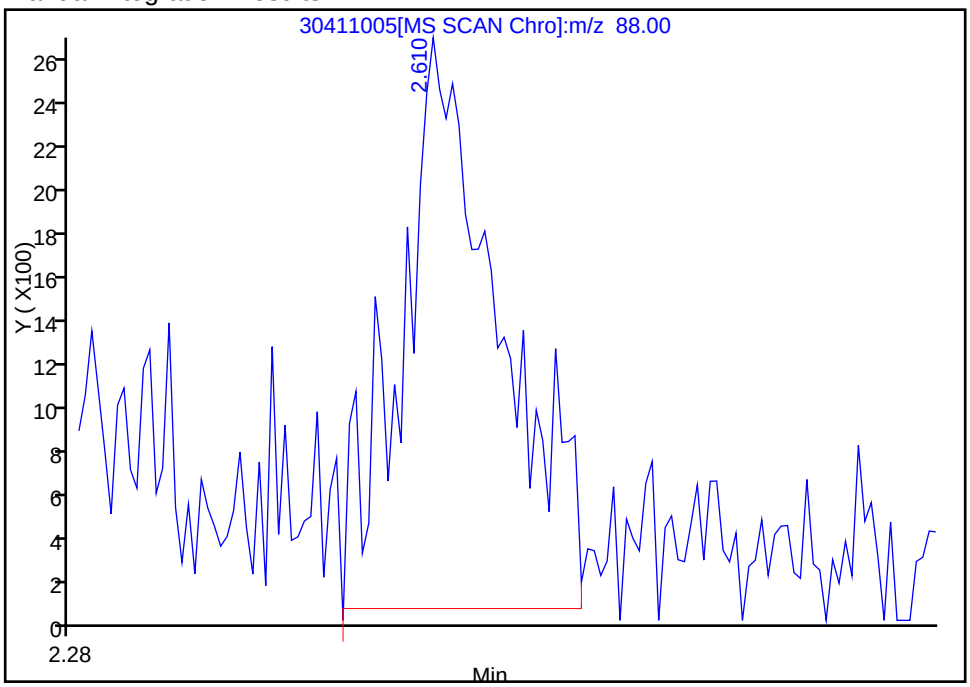
Processing Integration Results

RT: 2.61
Response: 10975
Amount: 0.532101



Manual Integration Results

RT: 2.61
Response: 16216
Amount: 0.579522



Reviewer: gruberj, 12-Apr-2013 08:43:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

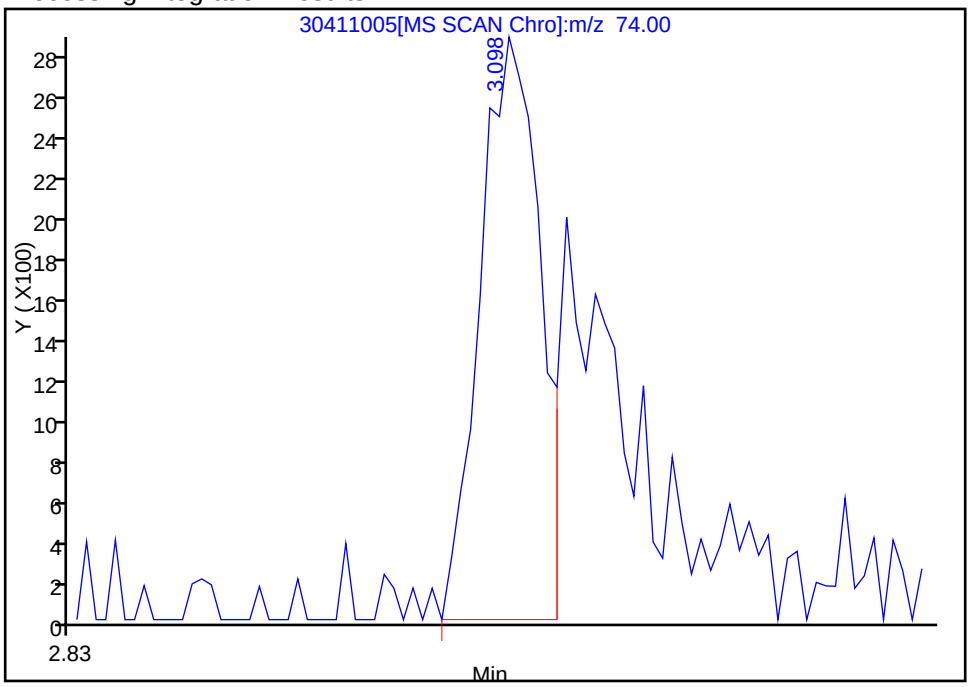
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.08

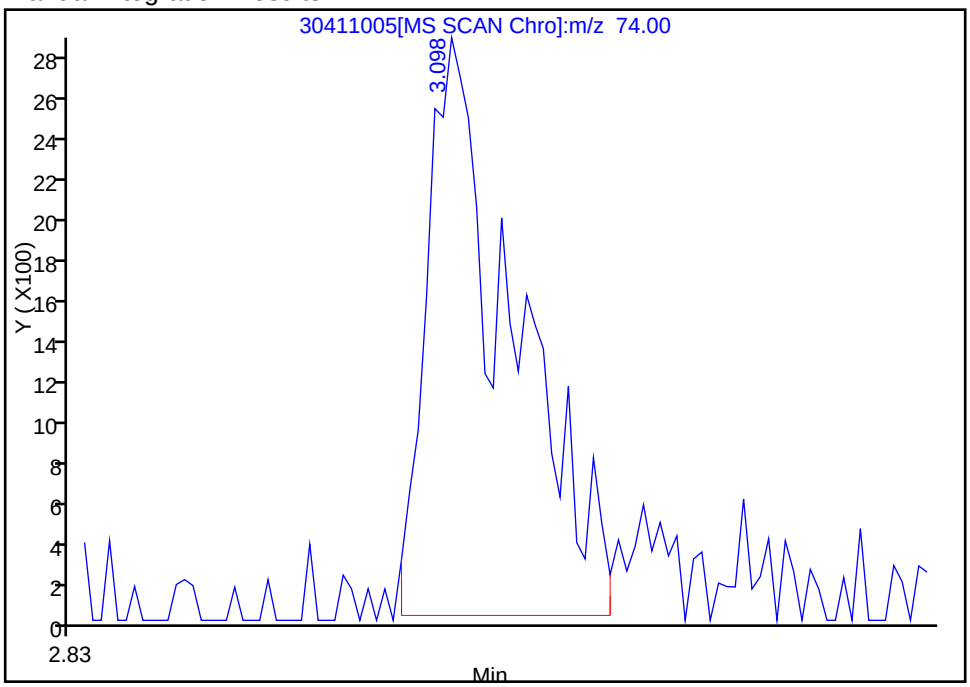
Processing Integration Results

RT: 3.10
Response: 7312
Amount: 0.529559



Manual Integration Results

RT: 3.10
Response: 11935
Amount: 0.460552



Reviewer: gruberj, 12-Apr-2013 08:43:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

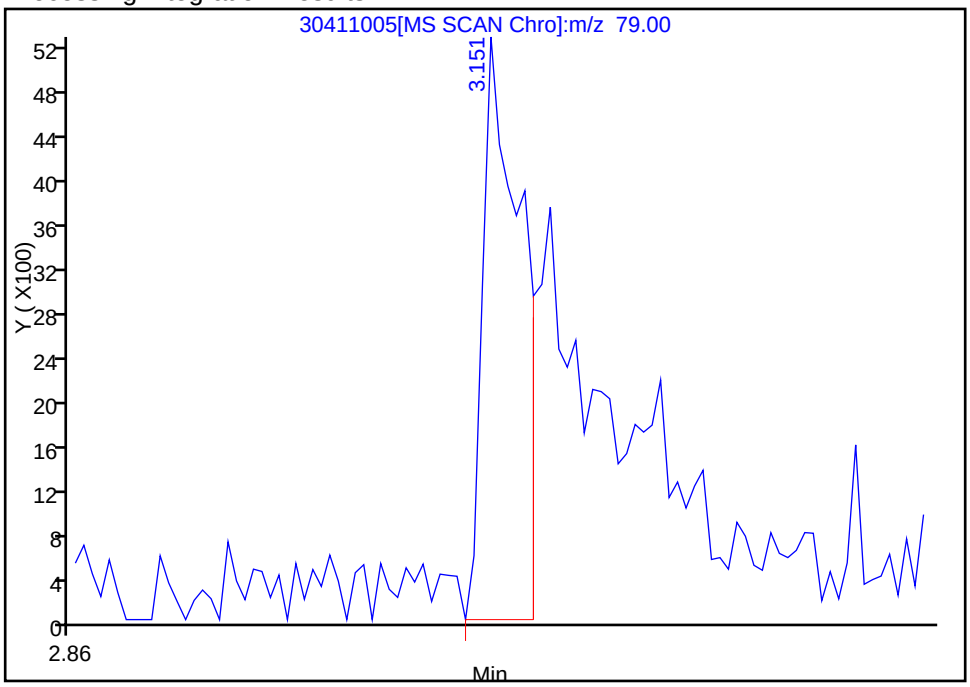
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	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: 3.13

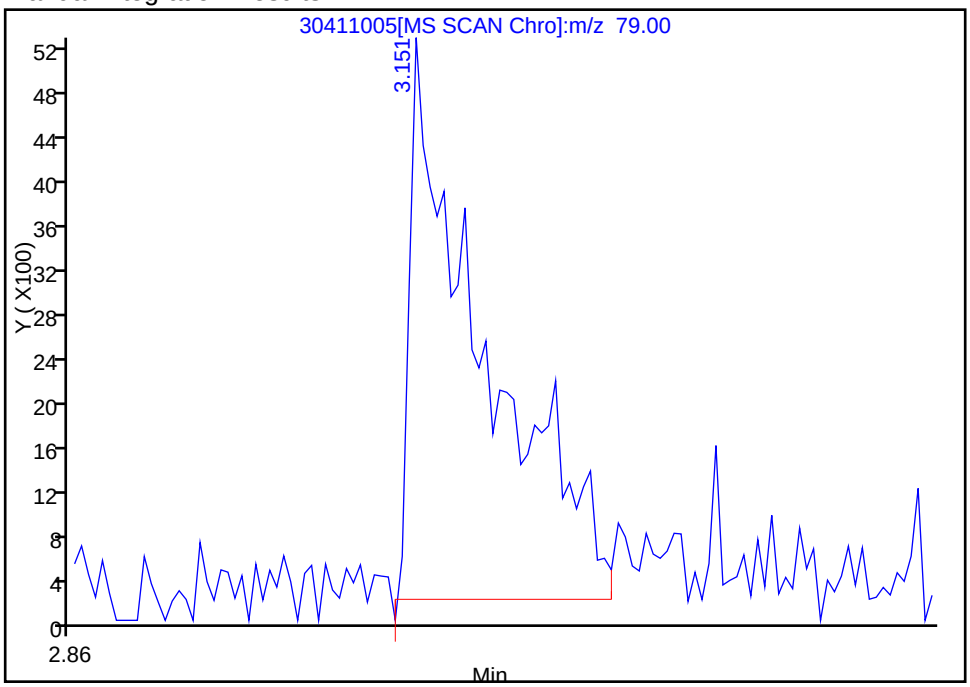
Processing Integration Results

RT: 3.15
Response: 9663
Amount: 0.427769



Manual Integration Results

RT: 3.15
Response: 21426
Amount: 0.445775



Reviewer: gruberj, 12-Apr-2013 08:43:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

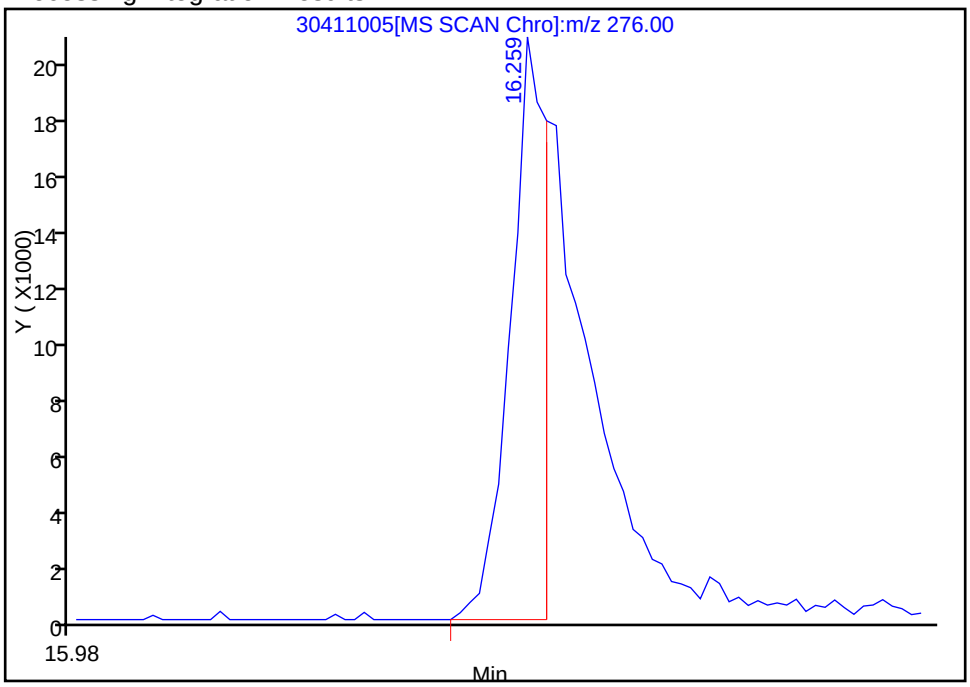
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.26

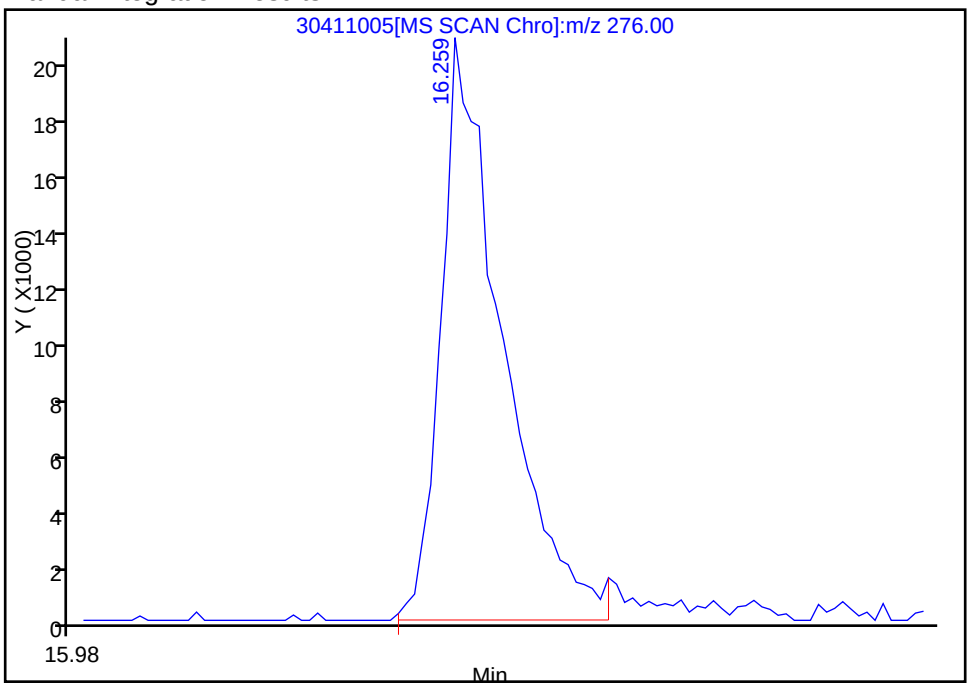
Processing Integration Results

RT: 16.26
Response: 31068
Amount: 0.319132



Manual Integration Results

RT: 16.26
Response: 62924
Amount: 0.417067



Reviewer: gruberj, 12-Apr-2013 08:43:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

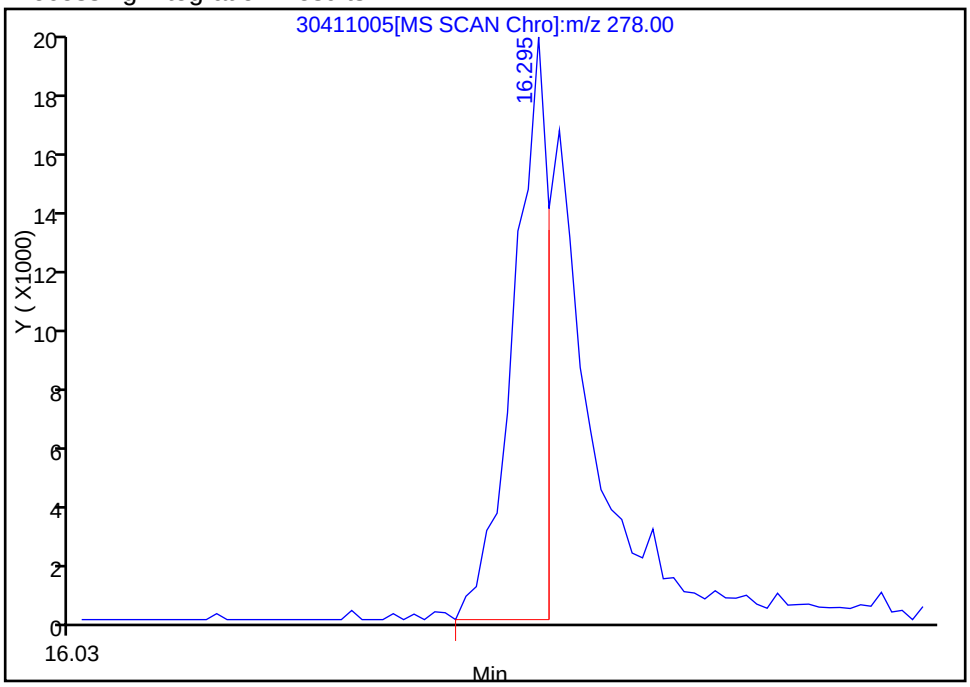
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411005.D		
Injection Date:	11-Apr-2013 19:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

191 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.29

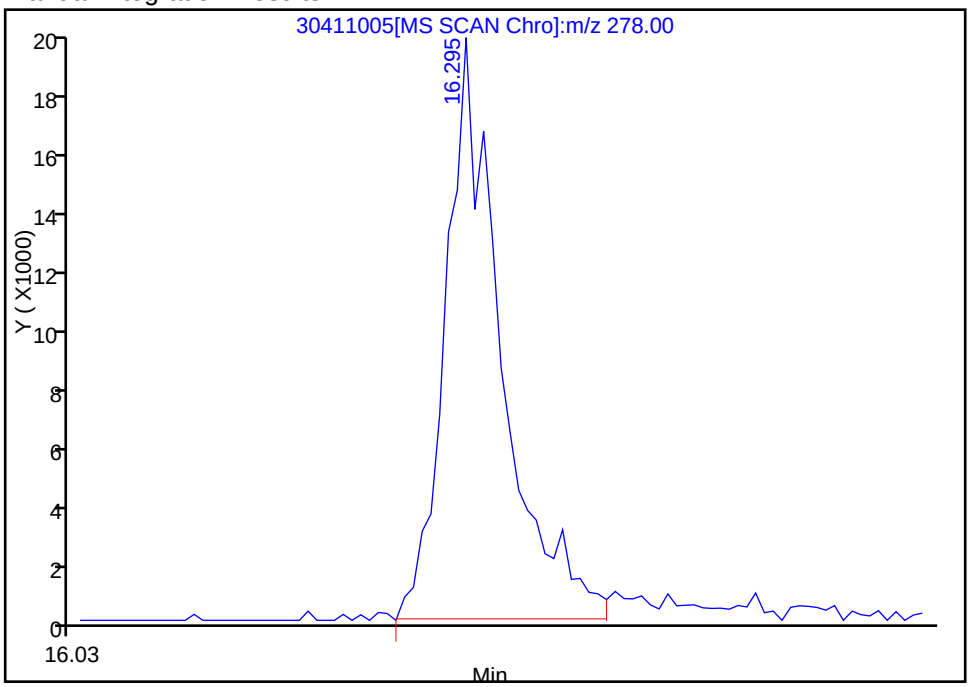
Processing Integration Results

RT: 16.29
Response: 27344
Amount: 0.523938



Manual Integration Results

RT: 16.29
Response: 51347
Amount: 0.408236



Reviewer: gruberj, 12-Apr-2013 08:43:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411006.D		
Lims ID:	std1 lst1	Client ID:	
Inject. Date:	11-Apr-2013 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018790-006		
Misc. Info.:	STD1 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	81609	Lims Sample ID:	6
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:37	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:44:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	171608	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	636503	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	89	389730	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	98	734875	4.00	
* 5 Chrysene-d12	240	12.440	12.434	0.006	84	739811	4.00	
* 6 Perylene-d12	264	14.567	14.561	0.006	89	602038	4.00	
$ 9 Nitrobenzene-d5	82	6.430	6.430	0.0	89	7773	0.1306	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	90	16236	0.1292	
$ 12 Terphenyl-d14	244	11.212	11.206	0.006	71	19657	0.1350	
41 Benzaldehyde	77	5.554	5.554	0.0	78	9652	0.2067	
74 Naphthalene	128	7.082	7.082	0.0	54	15367	0.1041	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	83	9966	0.1003	
88 1-Methylnaphthalene	142	7.758	7.757	0.001	79	10070	0.1081	
98 1,1'-Biphenyl	154	8.063	8.063	0.0	88	13819	0.1097	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	84	10591	0.1105	
109 Acenaphthylene	152	8.445	8.445	0.0	82	15394	0.1008	
112 Acenaphthene	153	8.592	8.592	0.0	88	12306	0.1160	
116 Dibenzofuran	168	8.739	8.739	0.0	88	14723	0.1030	
126 Fluorene	166	9.033	9.032	0.0	75	11758	0.1011	
141 Hexachlorobenzene	284	9.503	9.497	0.006	52	3107	0.0935	
149 Phenanthrene	178	9.855	9.855	0.0	83	18717	0.1098	
150 Anthracene	178	9.902	9.896	0.006	81	16288	0.0961	
160 Fluoranthene	202	10.872	10.871	0.001	94	22172	0.1103	
162 Pyrene	202	11.089	11.089	0.0	94	20499	0.1073	
179 Benzo[a]anthracene	228	12.429	12.423	0.006	66	21142	0.1149	
180 Chrysene	228	12.470	12.470	0.0	67	19161	0.1134	
184 Benzo[b]fluoranthene	252	13.968	13.962	0.006	78	14443	0.0894	
185 Benzo[k]fluoranthene	252	14.009	14.003	0.006	67	15010	0.0854	
186 Benzo[a]pyrene	252	14.473	14.473	0.0	53	11605	0.0774	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
190 Indeno[1,2,3-cd]pyrene	276	16.259	16.259	0.0	72	15972	0.0971	M
191 Dibenz(a,h)anthracene	278	16.306	16.295	0.011	0	13537	0.0987	M
192 Benzo[g,h,i]perylene	276	16.741	16.729	0.012	75	16019	0.1141	M

QC Flag Legend

Review Flags
M - Manually Integrated

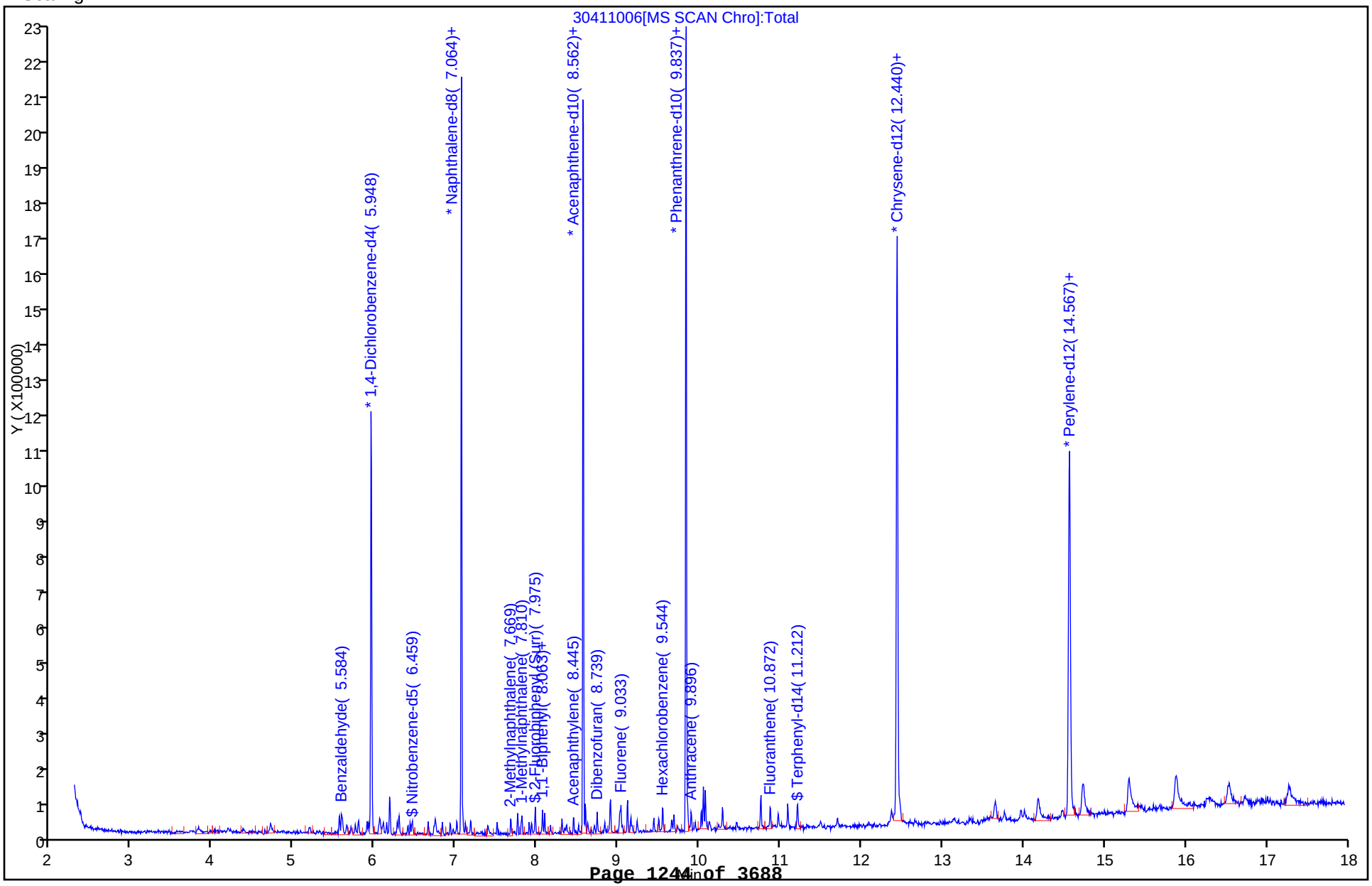
Report Date: 12-Apr-2013 09:42:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411006.D

Injection Date:	11-Apr-2013 19:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

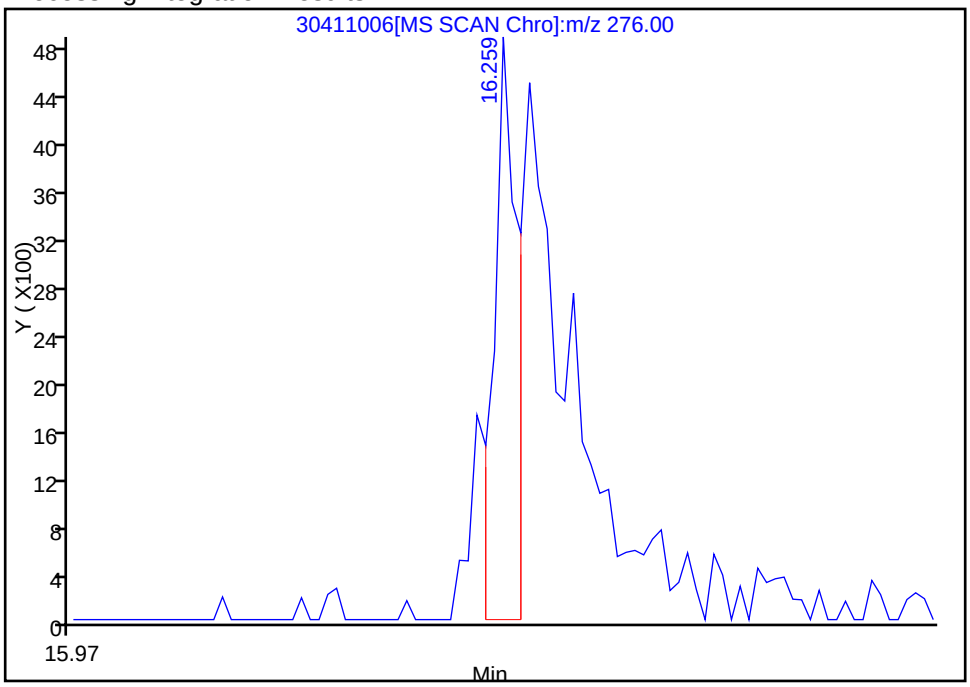
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411006.D		
Injection Date:	11-Apr-2013 19:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.26

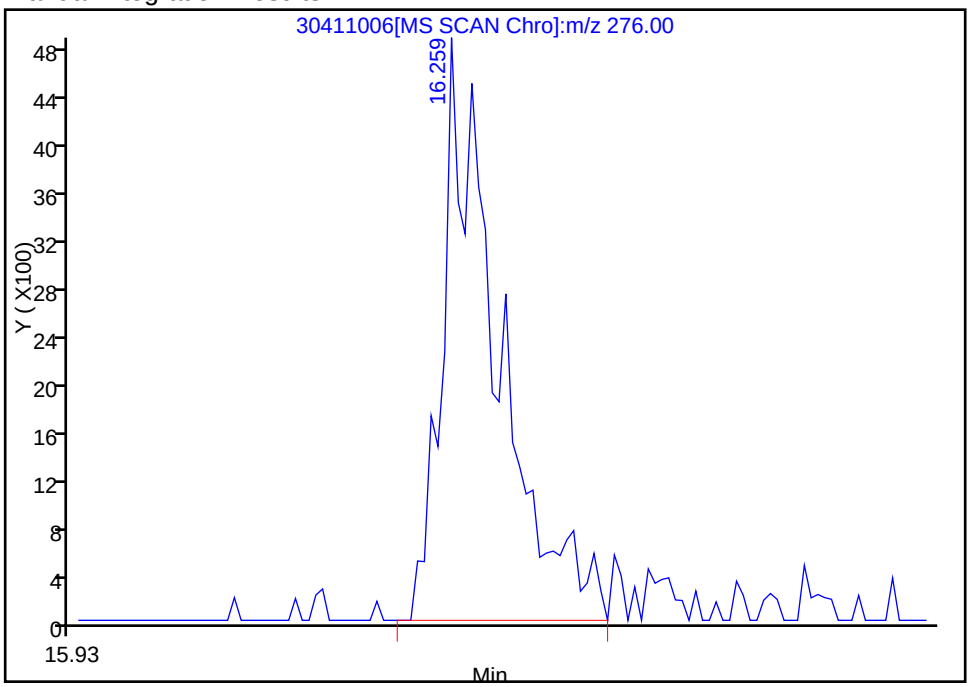
Processing Integration Results

RT: 16.26
Response: 5342
Amount: 0.135644



Manual Integration Results

RT: 16.26
Response: 15972
Amount: 0.097063



Reviewer: gruberj, 12-Apr-2013 08:44:09
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

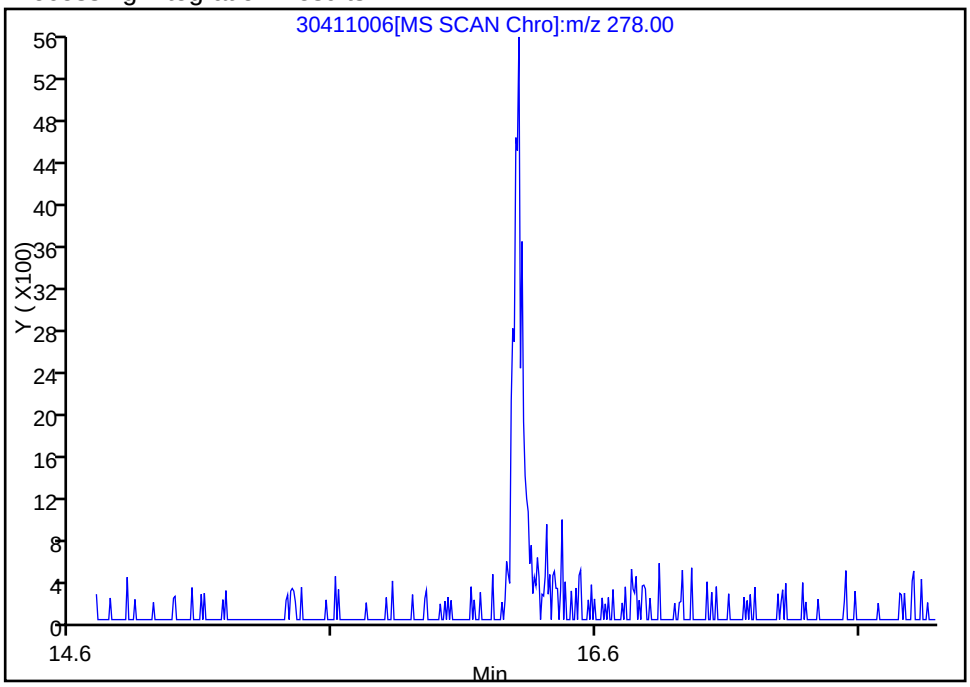
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411006.D		
Injection Date:	11-Apr-2013 19:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

191 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.29

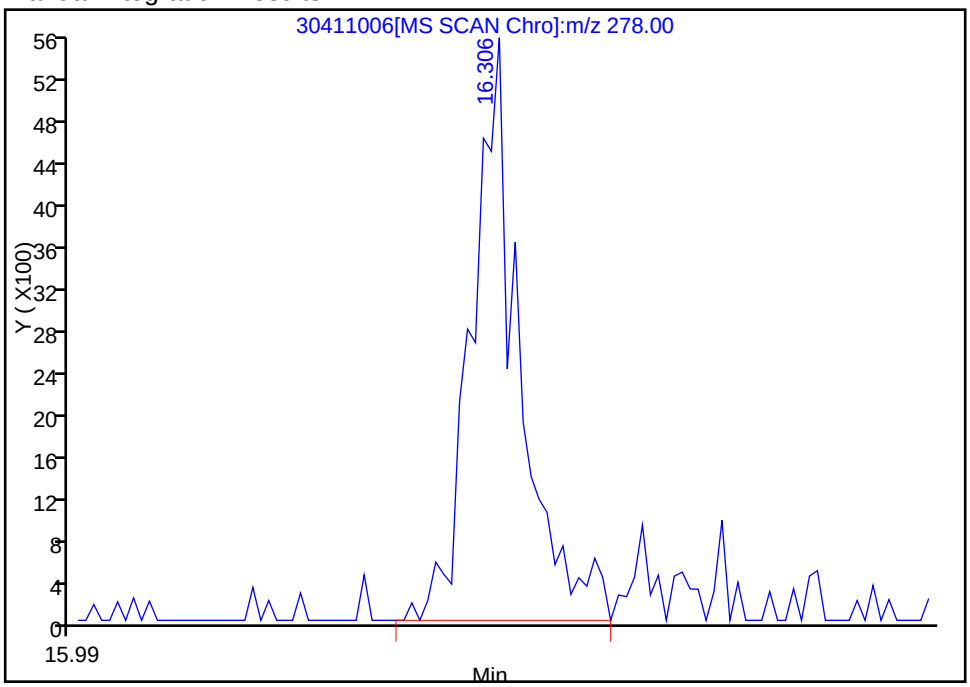
Processing Integration Results

Not Detected
Expected RT: 16.29



Manual Integration Results

RT: 16.31
Response: 13537
Amount: 0.098679



Reviewer: gruberj, 12-Apr-2013 08:44:09
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

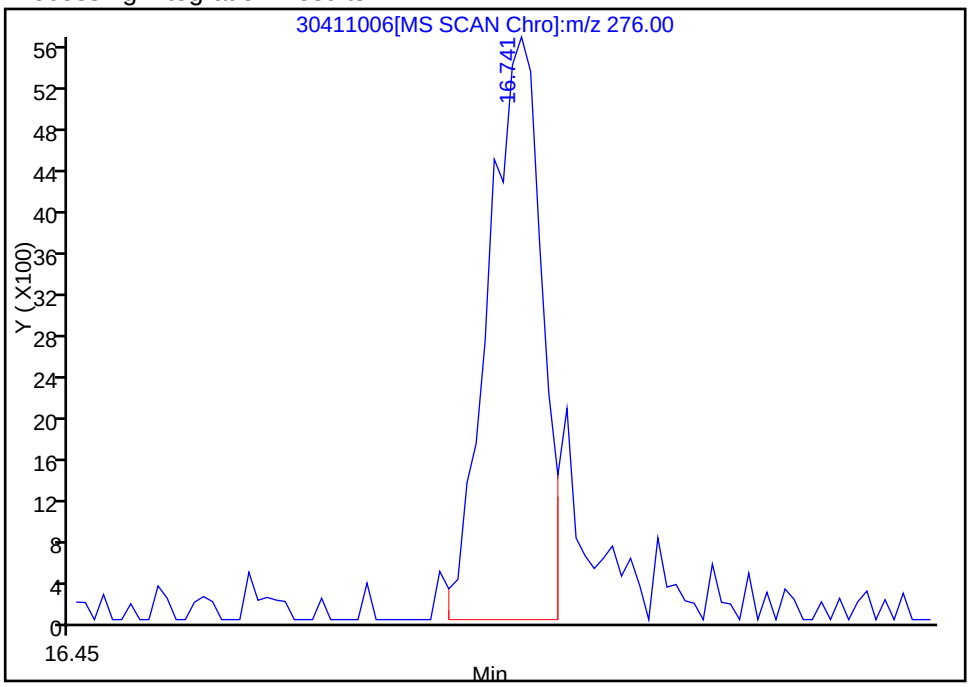
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411006.D		
Injection Date:	11-Apr-2013 19:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

192 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.73

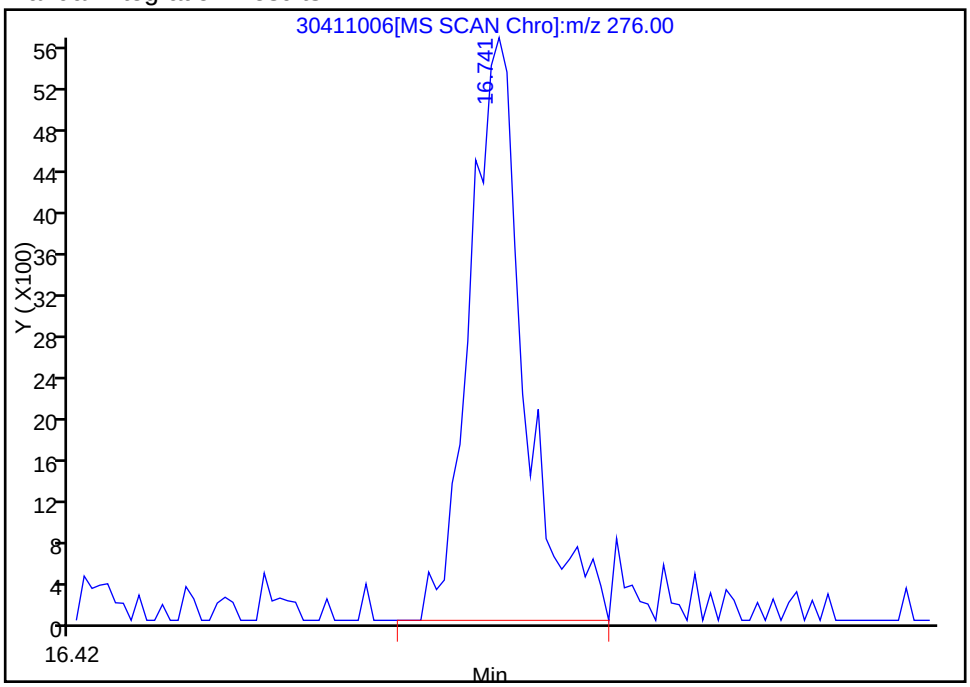
Processing Integration Results

RT: 16.74
Response: 13541
Amount: 0.098343



Manual Integration Results

RT: 16.74
Response: 16019
Amount: 0.114059



Reviewer: gruberj, 12-Apr-2013 08:44:09
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411007.D		
Lims ID:	std9 lst1	Client ID:	
Inject. Date:	11-Apr-2013 20:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0018790-007		
Misc. Info.:	STD9 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	81609	Lims Sample ID:	7
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:39	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:45:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.954	5.948	0.006	99	179072	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	685495	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	95	421629	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	98	802221	4.00	
* 5 Chrysene-d12	240	12.446	12.434	0.012	74	881651	4.00	
* 6 Perylene-d12	264	14.567	14.561	0.006	86	697032	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	94	1374472	26.5	
$ 8 Phenol-d5	99	5.589	5.583	0.006	91	1802479	26.1	
$ 9 Nitrobenzene-d5	82	6.435	6.430	0.005	90	1687586	26.3	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	3475644	25.6	
$ 11 2,4,6-Tribromophenol	330	9.238	9.232	0.006	91	419685	27.2	
$ 12 Terphenyl-d14	244	11.212	11.206	0.006	99	4296101	24.8	
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
25 1,4-Dioxane	88	2.605	2.605	0.0	98	613896	25.2	M
26 N-Nitrosodimethylamine	74	3.075	3.080	-0.005	81	838090	28.1	M
27 Pyridine	79	3.122	3.127	-0.005	86	1526421	27.6	M
41 Benzaldehyde	77	5.560	5.554	0.006	90	2419130	49.7	
43 Phenol	94	5.601	5.595	0.006	98	1800015	26.5	
44 Aniline	93	5.654	5.648	0.006	95	2254888	27.0	
45 Bis(2-chloroethyl)ether	93	5.707	5.701	0.006	95	1372859	26.1	
47 2-Chlorophenol	128	5.760	5.754	0.006	97	1445797	26.4	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	1564313	26.4	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	92	1597863	26.5	
50 Benzyl alcohol	108	6.059	6.054	0.005	88	931573	26.8	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	95	1506525	26.1	
52 2-Methylphenol	108	6.148	6.142	0.006	97	1322999	26.8	
53 Indene	115	6.183	6.177	0.006	74	5494399	53.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.183	6.177	0.006	54	2048685	25.5	
56 3 & 4 Methylphenol	108	6.277	6.271	0.006	95	1416340	27.5	
57 N-Nitrosodi-n-propylamine	70	6.294	6.289	0.005	91	981255	26.6	
58 Acetophenone	105	6.300	6.294	0.006	93	2040968	26.6	
61 Hexachloroethane	117	6.406	6.400	0.006	95	624884	26.8	
62 Nitrobenzene	77	6.453	6.447	0.006	83	1602028	27.5	
64 Isophorone	82	6.659	6.653	0.006	97	2878480	27.5	
66 2-Nitrophenol	139	6.729	6.723	0.006	97	781408	28.1	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	96	1423353	26.7	
70 Benzoic acid	122	6.829	6.770	0.059	72	1843013	49.7	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	97	1675745	27.2	
72 2,4-Dichlorophenol	162	6.929	6.923	0.006	95	1203520	27.4	
73 1,2,4-Trichlorobenzene	180	7.011	7.005	0.006	93	1386001	27.0	
74 Naphthalene	128	7.088	7.082	0.006	98	4217741	26.5	
75 4-Chloroaniline	127	7.117	7.111	0.006	92	1821542	27.5	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	94	844773	26.9	
83 Caprolactam	113	7.428	7.393	0.035	74	752059	50.0	
85 4-Chloro-3-methylphenol	107	7.511	7.505	0.006	94	1315867	28.1	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	87	2906370	27.2	
88 1-Methylnaphthalene	142	7.763	7.757	0.006	81	2701042	26.9	
89 Hexachlorocyclopentadiene	237	7.805	7.799	0.005	96	973410	29.1	
92 1,2,4,5-Tetrachlorobenzene	216	7.816	7.810	0.006	96	1488320	26.6	
93 2,4,6-Trichlorophenol	196	7.904	7.898	0.006	93	974731	28.0	
94 2,4,5-Trichlorophenol	196	7.934	7.928	0.006	95	1019196	28.3	
98 1,1'-Biphenyl	154	8.069	8.063	0.006	96	3584486	26.3	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	96	2746950	26.5	
102 2-Nitroaniline	65	8.169	8.163	0.006	84	892305	28.0	
105 Dimethyl phthalate	163	8.310	8.304	0.006	98	3169045	26.9	
106 1,3-Dinitrobenzene	168	8.345	8.333	0.012	87	571915	24.7	
107 2,6-Dinitrotoluene	165	8.369	8.357	0.012	90	745495	29.0	
109 Acenaphthylene	152	8.451	8.445	0.006	91	4530188	27.4	
110 3-Nitroaniline	138	8.515	8.510	0.005	92	807490	25.5	
112 Acenaphthene	153	8.598	8.592	0.006	93	3020416	26.3	
111 2,4-Dinitrophenol	184	8.604	8.592	0.012	86	1155637	49.4	
113 4-Nitrophenol	109	8.633	8.615	0.018	94	916895	51.2	
114 2,4-Dinitrotoluene	165	8.709	8.703	0.006	89	996826	25.7	
116 Dibenzofuran	168	8.745	8.739	0.006	85	4168388	26.9	
119 2,3,4,6-Tetrachlorophenol	232	8.839	8.833	0.006	69	894135	28.4	
121 Diethyl phthalate	149	8.909	8.897	0.012	98	3224659	26.5	
123 4-Chlorophenyl phenyl ether	204	9.021	9.015	0.006	89	1773518	26.8	
125 4-Nitroaniline	138	9.038	9.027	0.011	80	840862	29.1	
126 Fluorene	166	9.038	9.032	0.006	83	3399694	27.0	
128 4,6-Dinitro-2-methylphenol	198	9.062	9.050	0.012	75	1444264	51.6	
129 N-Nitrosodiphenylamine	169	9.121	9.115	0.006	95	5139794	54.2	
131 1,2-Diphenylhydrazine	77	9.156	9.150	0.006	96	3358653	26.3	
132 Azobenzene	77	9.156	9.150	0.006	100	3358700	26.3	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	65	962693	26.9	
141 Hexachlorobenzene	284	9.503	9.497	0.006	93	965125	26.6	
142 Atrazine	200	9.561	9.549	0.012	95	1827685	50.8	
144 Pentachlorophenol	266	9.661	9.655	0.006	88	1367227	51.6	
149 Phenanthrene	178	9.861	9.855	0.006	97	4796788	25.8	
150 Anthracene	178	9.902	9.896	0.006	98	4982659	26.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.025	10.020	0.005	83	4521809	26.5	
155 Di-n-butyl phthalate	149	10.290	10.284	0.006	100	5635613	27.0	
160 Fluoranthene	202	10.877	10.871	0.006	98	5831952	26.6	
161 Benzidine	184	10.977	10.971	0.006	99	4153761	45.3	
162 Pyrene	202	11.095	11.089	0.006	97	5979420	26.3	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	97	2471624	28.5	
177 3,3'-Dichlorobenzidine	252	12.382	12.370	0.012	68	4172967	58.0	
175 Bis(2-ethylhexyl) phthalate	149	12.405	12.399	0.006	96	3454084	28.3	
179 Benzo[a]anthracene	228	12.434	12.423	0.011	94	5696707	26.0	
180 Chrysene	228	12.481	12.470	0.011	93	5354526	26.6	
182 Di-n-octyl phthalate	149	13.339	13.333	0.006	100	5738584	25.9	
184 Benzo[b]fluoranthene	252	13.980	13.962	0.018	95	5538757	29.6	
185 Benzo[k]fluoranthene	252	14.021	14.003	0.018	90	5491211	27.0	
186 Benzo[a]pyrene	252	14.491	14.473	0.018	73	5056335	29.1	
190 Indeno[1,2,3-cd]pyrene	276	16.289	16.259	0.030	97	5389622	28.3	
191 Dibenz(a,h)anthracene	278	16.318	16.295	0.023	75	4574297	28.8	
192 Benzo[g,h,i]perylene	276	16.759	16.729	0.030	93	4453982	27.4	
S 193 Methyl Phenols,Total	100				0		54.2	

QC Flag Legend

Review Flags
M - Manually Integrated

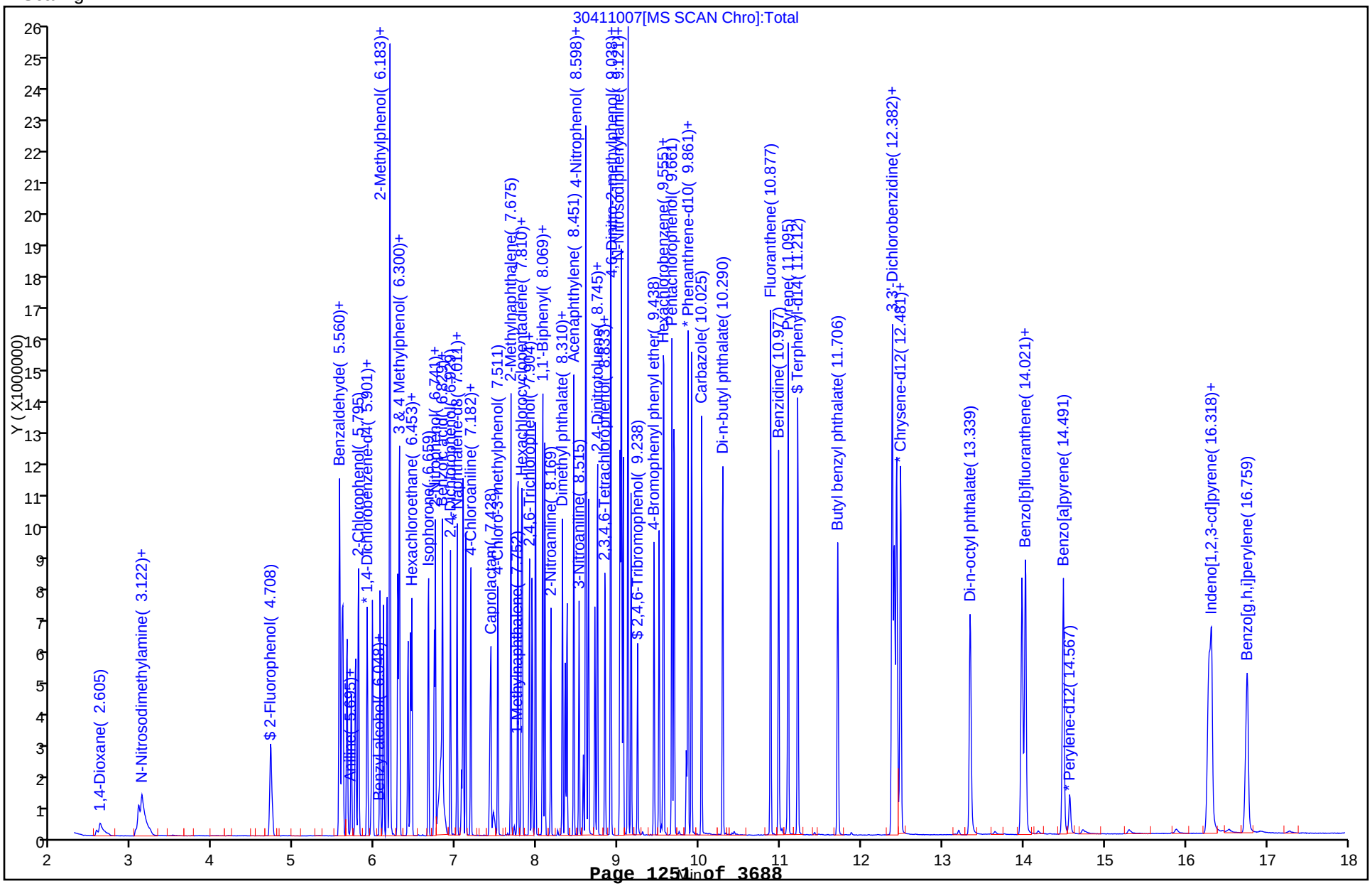
Report Date: 12-Apr-2013 09:42:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411007.D

Injection Date:	11-Apr-2013 20:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

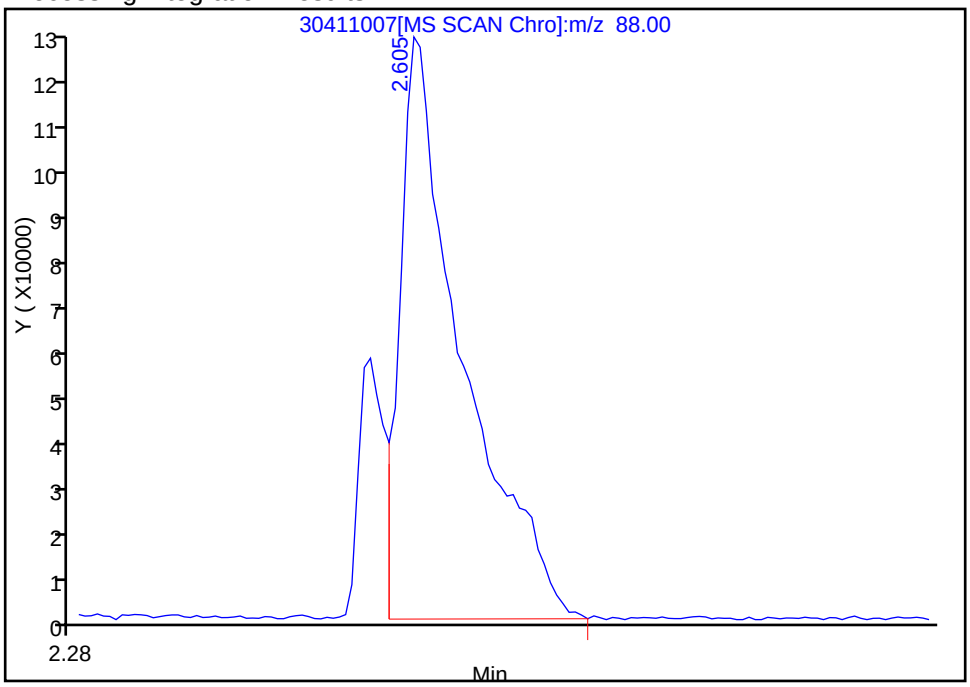
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411007.D		
Injection Date:	11-Apr-2013 20:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	7
Operator ID:	001710	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: 2.60

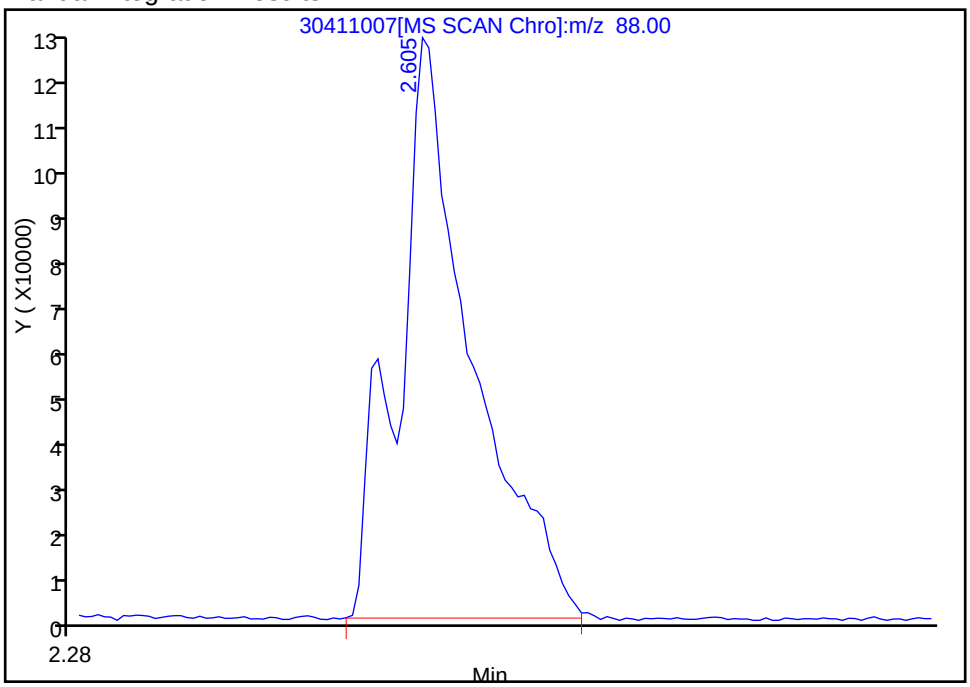
Processing Integration Results

RT: 2.60
Response: 531502
Amount: 24.462134



Manual Integration Results

RT: 2.60
Response: 613896
Amount: 25.240846



Reviewer: gruberj, 12-Apr-2013 08:45:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

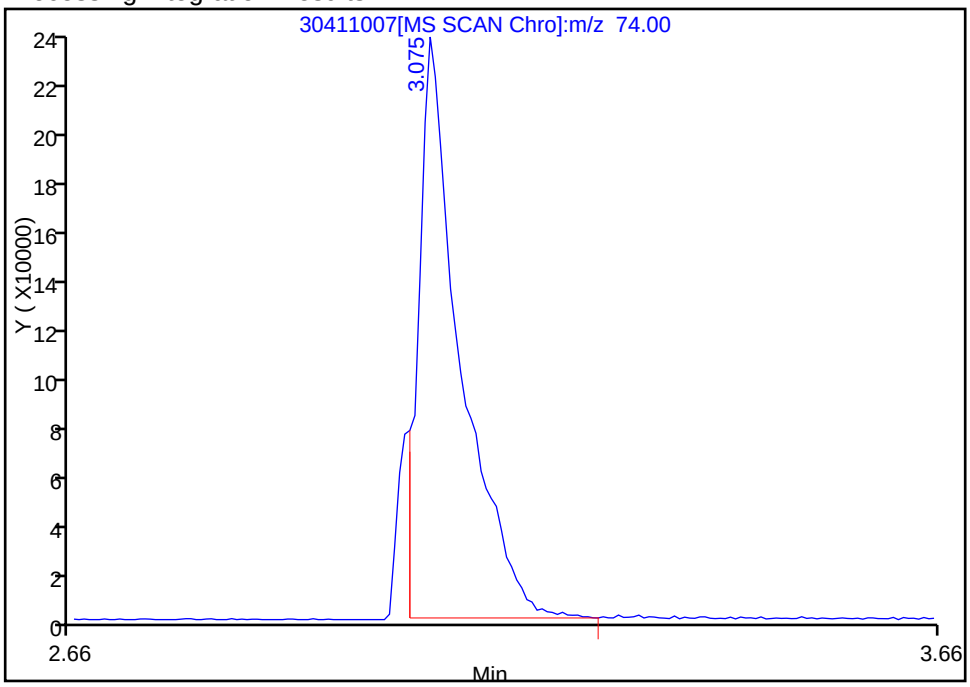
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411007.D		
Injection Date:	11-Apr-2013 20:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.08

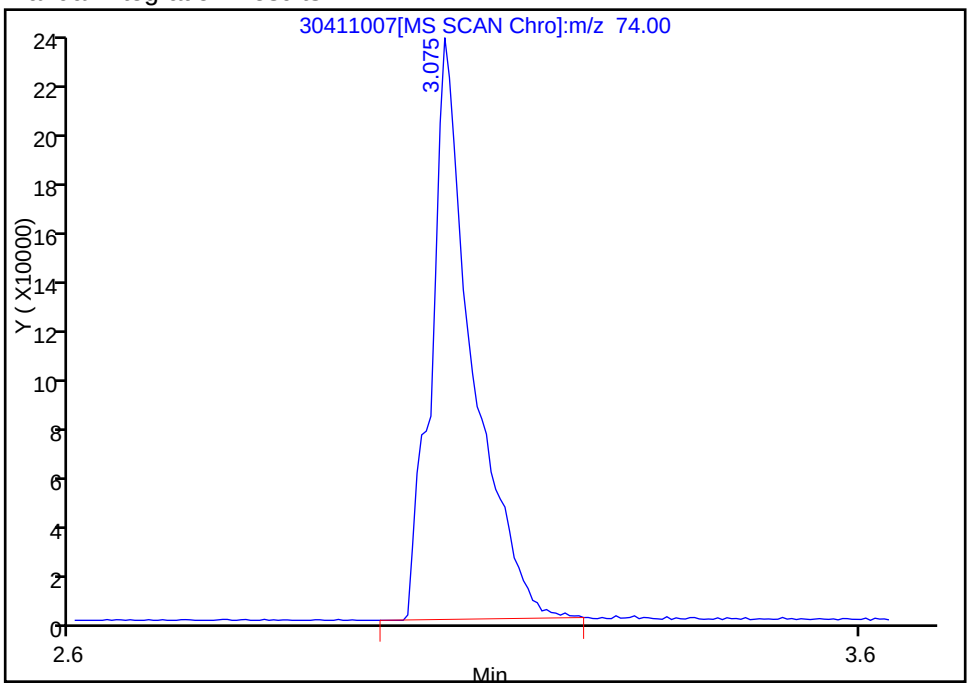
Processing Integration Results

RT: 3.07
Response: 781076
Amount: 26.417605



Manual Integration Results

RT: 3.07
Response: 838090
Amount: 28.075244



Reviewer: gruberj, 12-Apr-2013 08:45:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

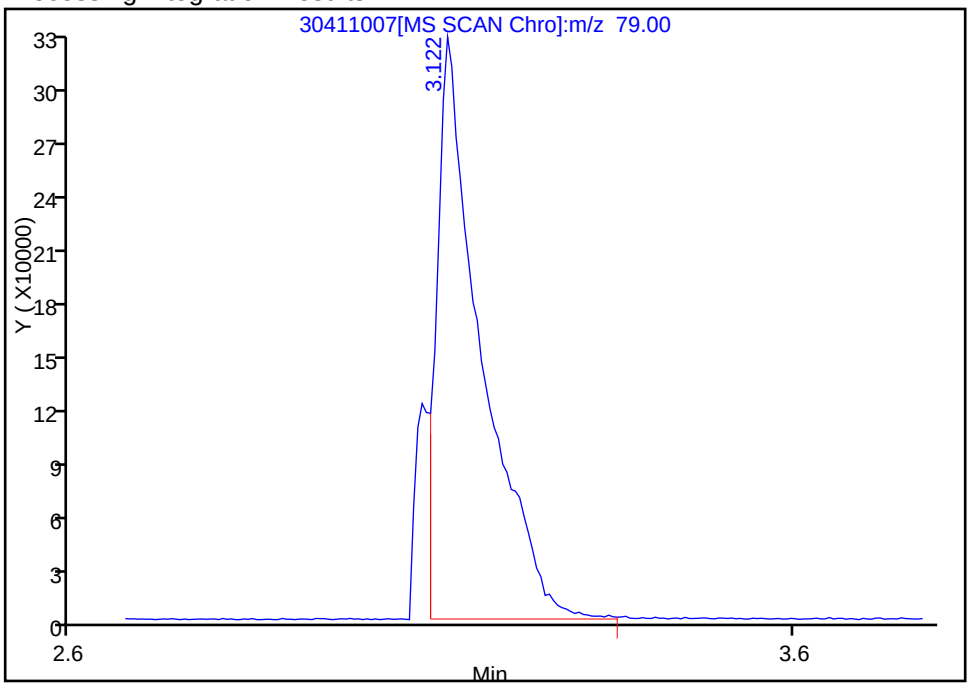
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411007.D		
Injection Date:	11-Apr-2013 20:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	7
Operator ID:	001710	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: 3.13

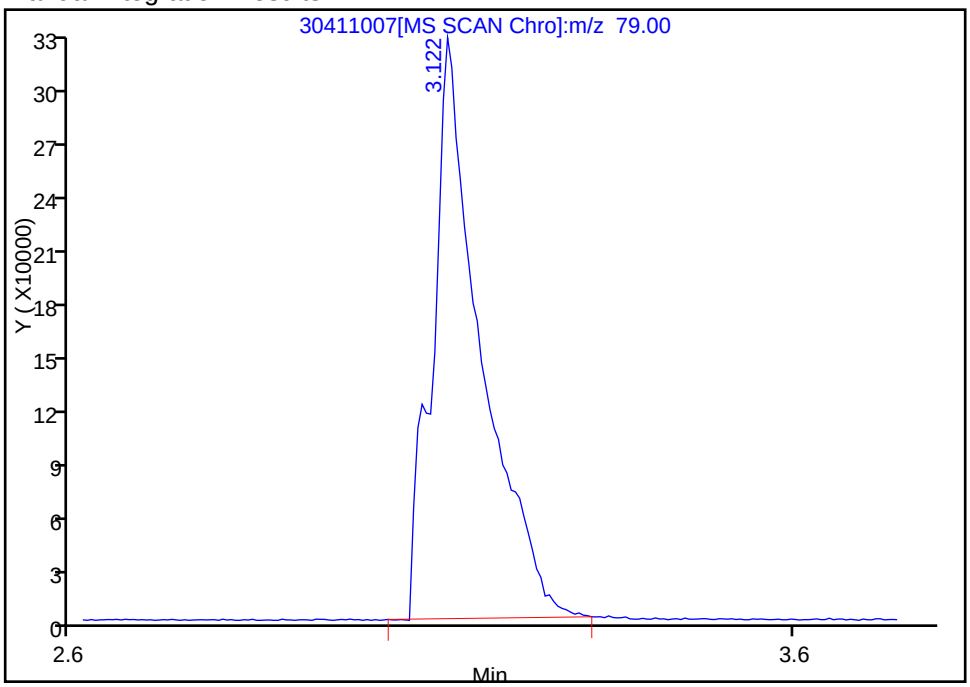
Processing Integration Results

RT: 3.12
Response: 1401349
Amount: 26.137300



Manual Integration Results

RT: 3.12
Response: 1526421
Amount: 27.569322



Reviewer: gruberj, 12-Apr-2013 08:45:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411008.D		
Lims ID:	std8 lst1	Client ID:	
Inject. Date:	11-Apr-2013 20:30:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0018790-008		
Misc. Info.:	STD8 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	81609	Lims Sample ID:	8
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:41	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:46:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.954	5.948	0.006	99	159887	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	637323	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	94	385550	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	97	729140	4.00	
* 5 Chrysene-d12	240	12.446	12.434	0.012	73	798751	4.00	
* 6 Perylene-d12	264	14.567	14.561	0.006	97	626193	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	94	1019750	22.0	
$ 8 Phenol-d5	99	5.589	5.583	0.006	84	1324647	21.5	
$ 9 Nitrobenzene-d5	82	6.435	6.430	0.005	89	1253671	21.0	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	2588455	20.8	
$ 11 2,4,6-Tribromophenol	330	9.238	9.232	0.006	92	314870	22.3	
$ 12 Terphenyl-d14	244	11.212	11.206	0.006	99	3202684	20.4	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	2.599	2.605	-0.006	94	456631	21.0	M
26 N-Nitrosodimethylamine	74	3.075	3.080	-0.005	86	617209	23.2	
27 Pyridine	79	3.122	3.127	-0.005	86	1133431	22.9	M
41 Benzaldehyde	77	5.560	5.554	0.006	90	1854574	42.6	
43 Phenol	94	5.601	5.595	0.006	95	1318676	21.7	
44 Aniline	93	5.648	5.648	0.0	94	1655621	22.2	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	95	1014397	21.6	
47 2-Chlorophenol	128	5.760	5.754	0.006	97	1077716	22.0	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	1167765	22.1	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	91	1170215	21.7	
50 Benzyl alcohol	108	6.059	6.054	0.005	88	701146	22.6	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	94	1106213	21.5	
52 2-Methylphenol	108	6.142	6.142	0.0	99	992388	22.5	
53 Indene	115	6.183	6.177	0.006	74	4034385	44.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.183	6.177	0.006	54	1539760	21.5	
56 3 & 4 Methylphenol	108	6.277	6.271	0.006	94	1041736	22.6	
57 N-Nitrosodi-n-propylamine	70	6.294	6.289	0.005	86	746863	22.7	
58 Acetophenone	105	6.300	6.294	0.006	94	1537279	22.4	
61 Hexachloroethane	117	6.406	6.400	0.006	95	463611	22.2	
62 Nitrobenzene	77	6.453	6.447	0.006	90	1174656	21.7	
64 Isophorone	82	6.653	6.653	0.0	97	2113040	21.7	
66 2-Nitrophenol	139	6.729	6.723	0.006	97	580438	22.4	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	95	1049259	21.1	
70 Benzoic acid	122	6.817	6.770	0.047	86	1321942	40.5	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	92	1251022	21.8	
72 2,4-Dichlorophenol	162	6.929	6.923	0.006	94	921670	22.6	
73 1,2,4-Trichlorobenzene	180	7.011	7.005	0.006	94	1007617	21.1	
74 Naphthalene	128	7.082	7.082	0.0	99	3124385	21.1	
75 4-Chloroaniline	127	7.117	7.111	0.006	92	1349033	21.9	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	93	619873	21.2	
83 Caprolactam	113	7.417	7.393	0.024	77	585692	41.9	
85 4-Chloro-3-methylphenol	107	7.511	7.505	0.006	96	979841	22.5	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	86	2156428	21.7	
88 1-Methylnaphthalene	142	7.763	7.757	0.006	84	1993146	21.4	
89 Hexachlorocyclopentadiene	237	7.804	7.799	0.005	97	703575	23.0	
92 1,2,4,5-Tetrachlorobenzene	216	7.816	7.810	0.006	96	1116276	21.8	
93 2,4,6-Trichlorophenol	196	7.904	7.898	0.006	92	719538	22.6	
94 2,4,5-Trichlorophenol	196	7.934	7.928	0.006	95	752941	22.8	
98 1,1'-Biphenyl	154	8.069	8.063	0.006	96	2682254	21.5	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	97	2038401	21.5	
102 2-Nitroaniline	65	8.169	8.163	0.006	84	679648	23.3	
105 Dimethyl phthalate	163	8.310	8.304	0.006	99	2380318	22.1	
106 1,3-Dinitrobenzene	168	8.345	8.333	0.012	89	420859	20.7	
107 2,6-Dinitrotoluene	165	8.369	8.357	0.011	73	541120	23.0	
109 Acenaphthylene	152	8.451	8.445	0.006	92	3397756	22.5	
110 3-Nitroaniline	138	8.515	8.510	0.005	92	614393	21.3	
112 Acenaphthene	153	8.598	8.592	0.006	93	2225735	21.2	
111 2,4-Dinitrophenol	184	8.604	8.592	0.012	84	846839	41.5	
113 4-Nitrophenol	109	8.627	8.615	0.012	94	690447	42.2	
114 2,4-Dinitrotoluene	165	8.709	8.703	0.006	87	741070	20.9	
116 Dibenzofuran	168	8.745	8.739	0.006	87	3072843	21.7	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	72	663232	23.0	
121 Diethyl phthalate	149	8.903	8.897	0.006	96	2381820	21.4	
123 4-Chlorophenyl phenyl ether	204	9.021	9.015	0.006	89	1322001	21.8	
125 4-Nitroaniline	138	9.038	9.027	0.011	81	619876	23.5	
126 Fluorene	166	9.032	9.032	0.0	82	2549442	22.2	
128 4,6-Dinitro-2-methylphenol	198	9.062	9.050	0.012	80	1067240	42.1	
129 N-Nitrosodiphenylamine	169	9.121	9.115	0.006	85	3811548	44.2	
131 1,2-Diphenylhydrazine	77	9.156	9.150	0.006	96	2525643	21.8	
132 Azobenzene	77	9.156	9.150	0.006	100	2525643	21.8	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	66	708183	21.8	
141 Hexachlorobenzene	284	9.502	9.497	0.005	92	700791	21.3	
142 Atrazine	200	9.555	9.549	0.006	93	1386960	42.4	
144 Pentachlorophenol	266	9.661	9.655	0.006	89	1004742	41.8	
149 Phenanthrene	178	9.861	9.855	0.006	97	3587420	21.2	
150 Anthracene	178	9.902	9.896	0.006	98	3719428	22.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.025	10.020	0.005	83	3327408	21.5	
155 Di-n-butyl phthalate	149	10.290	10.284	0.006	100	4202076	22.2	
160 Fluoranthene	202	10.877	10.871	0.006	98	4398503	22.1	
161 Benzidine	184	10.977	10.971	0.006	99	3323668	40.0	
162 Pyrene	202	11.095	11.089	0.006	97	4447349	21.6	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	97	1823367	23.2	
177 3,3'-Dichlorobenzidine	252	12.382	12.370	0.012	66	3063990	47.0	
175 Bis(2-ethylhexyl) phthalate	149	12.405	12.399	0.006	96	2580079	23.3	
179 Benzo[a]anthracene	228	12.434	12.423	0.011	94	4218541	21.2	
180 Chrysene	228	12.481	12.470	0.011	94	3906119	21.4	
182 Di-n-octyl phthalate	149	13.339	13.333	0.006	100	4175696	21.1	
184 Benzo[b]fluoranthene	252	13.980	13.962	0.018	85	3822093	22.7	
185 Benzo[k]fluoranthene	252	14.021	14.003	0.018	86	4274606	23.4	
186 Benzo[a]pyrene	252	14.485	14.473	0.012	75	3773468	24.2	
190 Indeno[1,2,3-cd]pyrene	276	16.283	16.259	0.024	97	4025972	23.5	
191 Dibenz(a,h)anthracene	278	16.312	16.295	0.017	88	3373446	23.6	
192 Benzo[g,h,i]perylene	276	16.759	16.729	0.030	96	3287841	22.5	
S 193 Methyl Phenols,Total	100				0		45.1	

QC Flag Legend

Review Flags
M - Manually Integrated

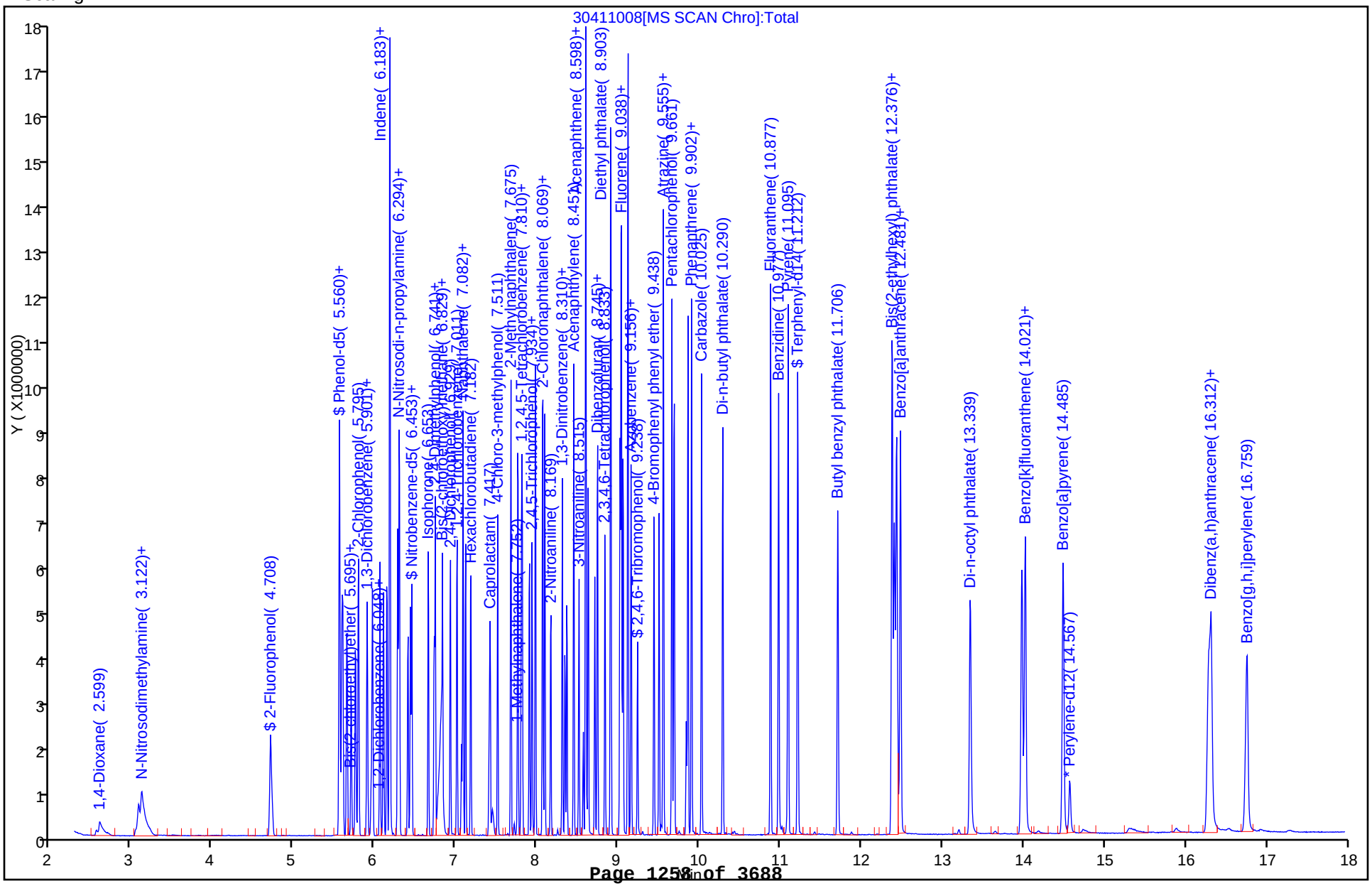
Report Date: 12-Apr-2013 09:42:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411008.D

Injection Date:	11-Apr-2013 20:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

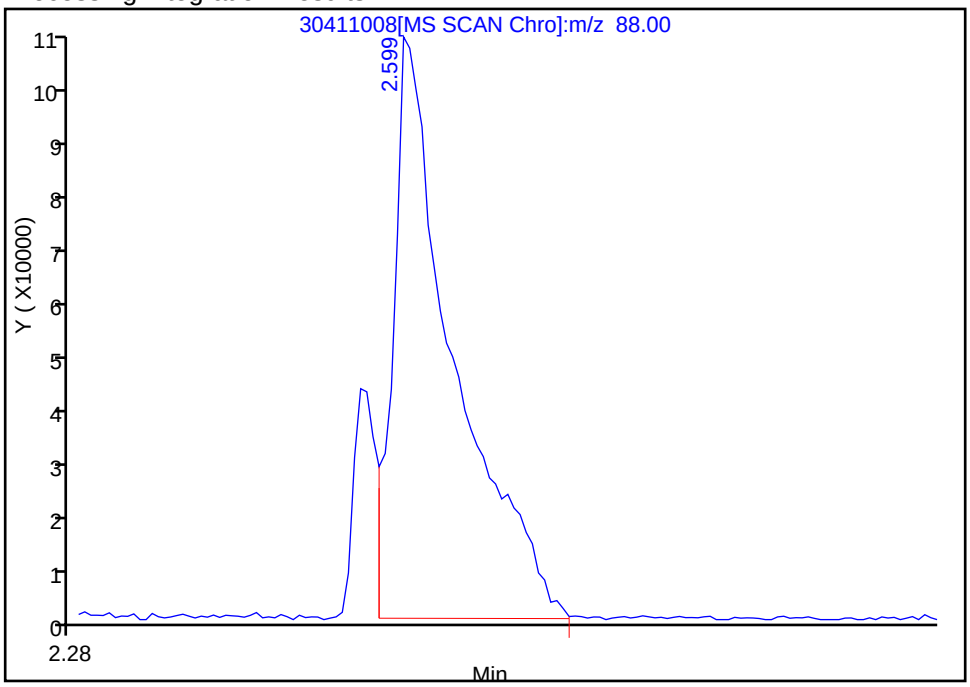
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411008.D		
Injection Date:	11-Apr-2013 20:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	8
Operator ID:	001710	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: 2.60

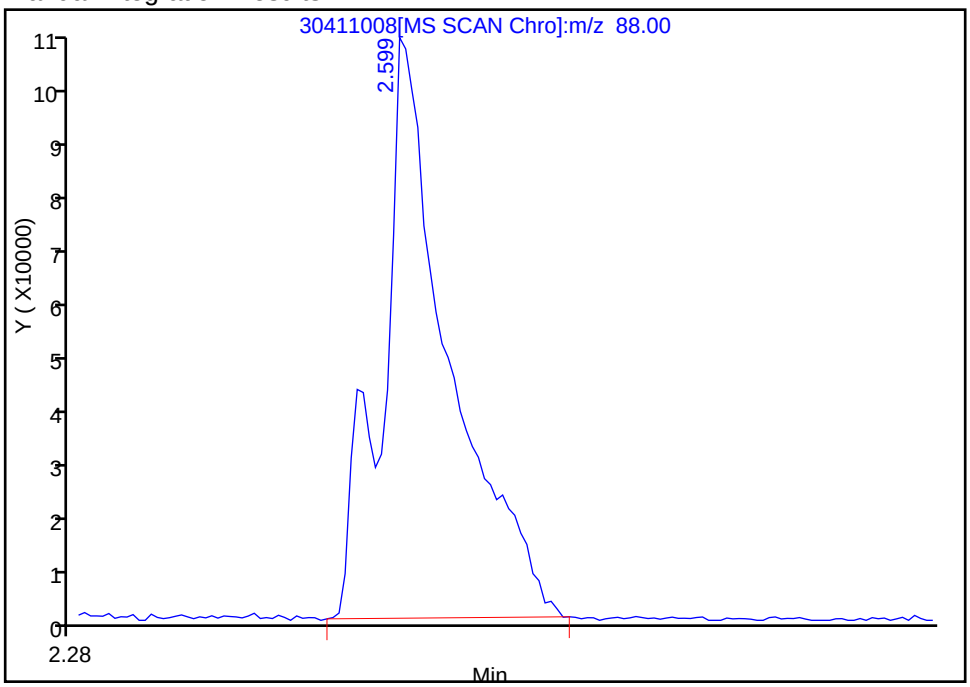
Processing Integration Results

RT: 2.60
Response: 407760
Amount: 19.913147



Manual Integration Results

RT: 2.60
Response: 456631
Amount: 20.995114



Reviewer: gruberj, 12-Apr-2013 08:47:03
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

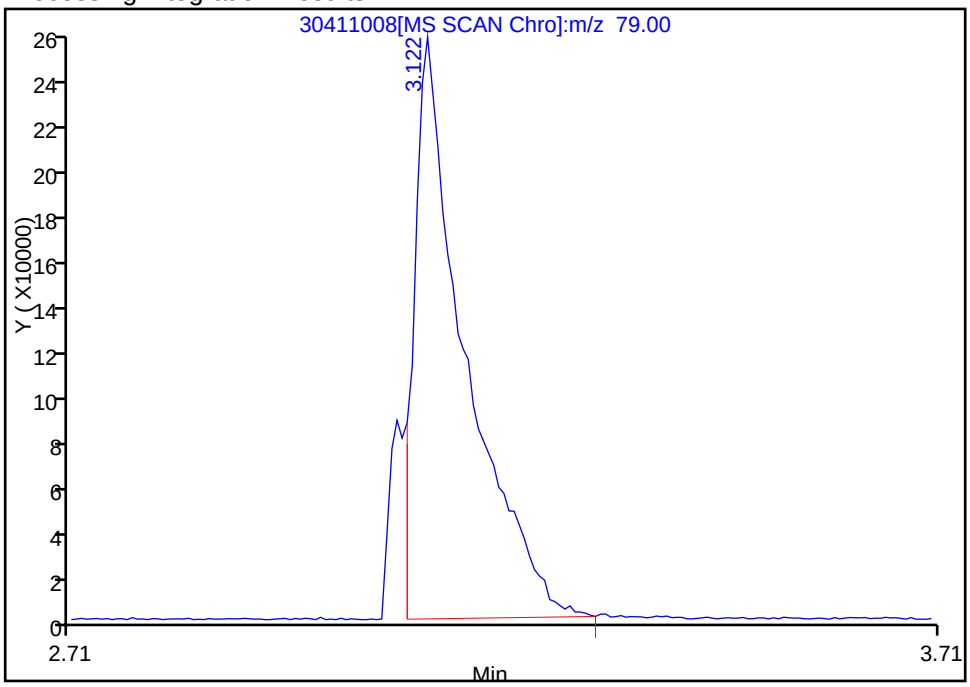
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411008.D		
Injection Date:	11-Apr-2013 20:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	8
Operator ID:	001710	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: 3.13

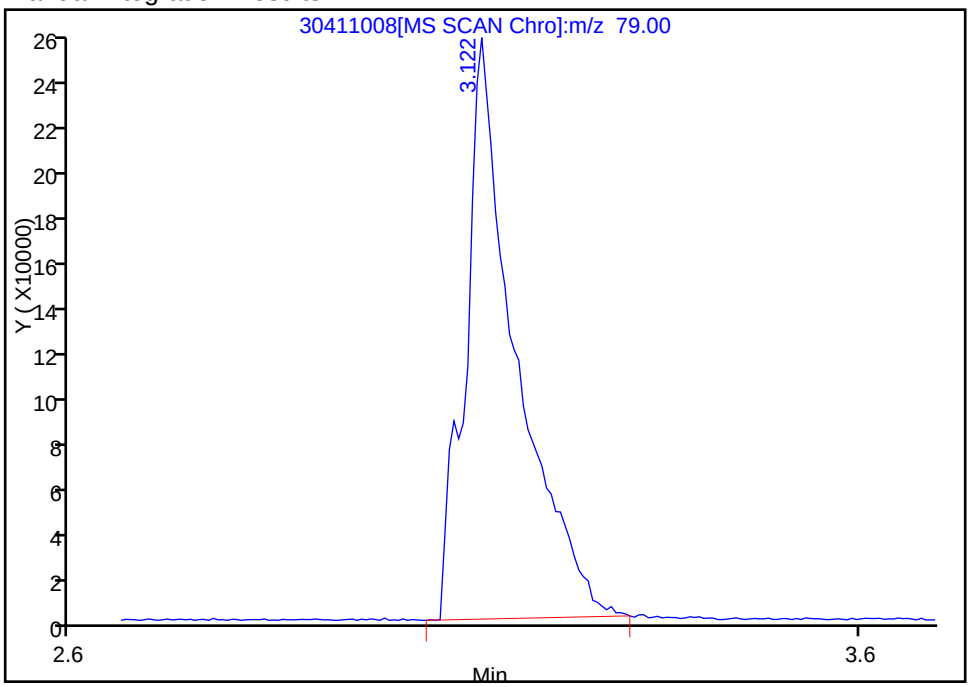
Processing Integration Results

RT: 3.12
Response: 1040124
Amount: 21.477207



Manual Integration Results

RT: 3.12
Response: 1133431
Amount: 22.927746



Reviewer: gruberj, 12-Apr-2013 08:47:03
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411009.D		
Lims ID:	std7 lst1	Client ID:	
Inject. Date:	11-Apr-2013 20:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0018790-009		
Misc. Info.:	STD7 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	81609	Lims Sample ID:	9
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:42	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 09:18:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	99	158817	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	626619	4.00	
* 3 Acenaphthene-d10	164	8.568	8.562	0.006	93	382593	4.00	
* 4 Phenanthrene-d10	188	9.837	9.832	0.005	97	705492	4.00	
* 5 Chrysene-d12	240	12.446	12.434	0.012	84	767648	4.00	
* 6 Perylene-d12	264	14.567	14.561	0.006	94	589681	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	94	690564	15.0	
$ 8 Phenol-d5	99	5.589	5.583	0.006	85	918111	15.0	
$ 9 Nitrobenzene-d5	82	6.435	6.430	0.005	88	851694	14.5	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	1749682	14.2	
$ 11 2,4,6-Tribromophenol	330	9.238	9.232	0.006	94	210950	15.1	
$ 12 Terphenyl-d14	244	11.212	11.206	0.006	99	2113488	14.0	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	2.604	2.605	-0.001	97	318938	14.7	M
26 N-Nitrosodimethylamine	74	3.074	3.080	-0.006	86	431177	16.3	
27 Pyridine	79	3.127	3.127	0.0	87	761099	15.5	M
41 Benzaldehyde	77	5.560	5.554	0.006	89	1287806	29.8	
43 Phenol	94	5.601	5.595	0.006	93	906309	15.0	
44 Aniline	93	5.648	5.648	0.0	96	1140436	15.4	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	95	700352	15.0	
47 2-Chlorophenol	128	5.754	5.754	0.0	97	741747	15.3	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	787251	15.0	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	90	807048	15.1	
50 Benzyl alcohol	108	6.059	6.054	0.005	90	464490	15.1	
51 1,2-Dichlorobenzene	146	6.100	6.101	-0.001	94	760626	14.9	
52 2-Methylphenol	108	6.142	6.142	0.0	98	666396	15.2	
53 Indene	115	6.183	6.177	0.006	74	2751804	30.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.177	0.0	55	1061693	14.9	
56 3 & 4 Methylphenol	108	6.277	6.271	0.006	94	717322	15.7	
57 N-Nitrosodi-n-propylamine	70	6.288	6.289	-0.001	92	494855	15.1	
58 Acetophenone	105	6.300	6.294	0.006	87	1038746	15.2	
61 Hexachloroethane	117	6.406	6.400	0.006	94	308811	14.9	
62 Nitrobenzene	77	6.453	6.447	0.006	87	798340	15.0	
64 Isophorone	82	6.653	6.653	0.0	97	1422719	14.9	
66 2-Nitrophenol	139	6.729	6.723	0.006	96	392319	15.4	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	95	734837	15.1	
70 Benzoic acid	122	6.805	6.770	0.035	84	915153	30.4	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	98	847988	15.1	
72 2,4-Dichlorophenol	162	6.929	6.923	0.006	95	610741	15.2	
73 1,2,4-Trichlorobenzene	180	7.011	7.005	0.006	93	697687	14.9	
74 Naphthalene	128	7.082	7.082	0.0	99	2119044	14.6	
75 4-Chloroaniline	127	7.117	7.111	0.006	82	904763	14.9	
78 Hexachlorobutadiene	225	7.182	7.176	0.006	93	434009	15.1	
83 Caprolactam	113	7.411	7.393	0.018	76	393097	28.6	
85 4-Chloro-3-methylphenol	107	7.511	7.505	0.006	97	647307	15.1	
87 2-Methylnaphthalene	142	7.675	7.669	0.006	86	1447157	14.8	
88 1-Methylnaphthalene	142	7.763	7.757	0.006	80	1341167	14.6	
89 Hexachlorocyclopentadiene	237	7.804	7.799	0.005	95	473002	15.6	
92 1,2,4,5-Tetrachlorobenzene	216	7.816	7.810	0.006	95	757357	14.9	
93 2,4,6-Trichlorophenol	196	7.904	7.898	0.006	91	475201	15.1	
94 2,4,5-Trichlorophenol	196	7.934	7.928	0.006	96	513976	15.7	
98 1,1'-Biphenyl	154	8.069	8.063	0.006	96	1814335	14.7	
100 2-Chloronaphthalene	162	8.092	8.086	0.006	97	1384207	14.7	
102 2-Nitroaniline	65	8.163	8.163	0.0	78	450748	15.6	
105 Dimethyl phthalate	163	8.310	8.304	0.006	99	1591726	14.9	
106 1,3-Dinitrobenzene	168	8.339	8.333	0.006	81	272790	14.5	
107 2,6-Dinitrotoluene	165	8.363	8.357	0.005	81	362216	15.5	
109 Acenaphthylene	152	8.451	8.445	0.006	91	2264456	15.1	
110 3-Nitroaniline	138	8.515	8.510	0.005	93	407279	14.3	
112 Acenaphthene	153	8.598	8.592	0.006	93	1501648	14.4	
111 2,4-Dinitrophenol	184	8.598	8.592	0.006	76	543421	29.1	
113 4-Nitrophenol	109	8.627	8.615	0.012	95	451620	28.0	
114 2,4-Dinitrotoluene	165	8.709	8.703	0.006	85	500634	14.4	
116 Dibenzofuran	168	8.744	8.739	0.005	88	2084699	14.8	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	72	443171	15.5	
121 Diethyl phthalate	149	8.903	8.897	0.006	97	1606486	14.5	
123 4-Chlorophenyl phenyl ether	204	9.021	9.015	0.006	89	888302	14.8	
125 4-Nitroaniline	138	9.032	9.027	0.005	59	402223	15.4	
126 Fluorene	166	9.032	9.032	0.0	81	1715125	15.0	
128 4,6-Dinitro-2-methylphenol	198	9.056	9.050	0.006	84	687048	28.3	
129 N-Nitrosodiphenylamine	169	9.120	9.115	0.005	92	2548336	30.6	
131 1,2-Diphenylhydrazine	77	9.156	9.150	0.006	97	1684936	15.0	
132 Azobenzene	77	9.156	9.150	0.006	100	1684573	15.0	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	64	480803	15.3	
141 Hexachlorobenzene	284	9.502	9.497	0.005	88	466336	14.6	
142 Atrazine	200	9.555	9.549	0.006	94	947131	29.9	
144 Pentachlorophenol	266	9.661	9.655	0.006	89	639454	27.7	
149 Phenanthrene	178	9.861	9.855	0.006	97	2415849	14.8	
150 Anthracene	178	9.902	9.896	0.006	98	2473597	15.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.025	10.020	0.005	83	2208075	14.7	
155 Di-n-butyl phthalate	149	10.290	10.284	0.006	100	2780848	15.2	
160 Fluoranthene	202	10.877	10.871	0.006	98	2924418	15.2	
161 Benzidine	184	10.977	10.971	0.006	99	2393102	30.0	
162 Pyrene	202	11.095	11.089	0.006	97	2951426	14.9	
170 Butyl benzyl phthalate	149	11.706	11.700	0.006	97	1199894	15.9	
177 3,3'-Dichlorobenzidine	252	12.376	12.370	0.006	68	1974516	31.5	
175 Bis(2-ethylhexyl) phthalate	149	12.405	12.399	0.006	96	1676382	15.8	
179 Benzo[a]anthracene	228	12.428	12.423	0.005	96	2822861	14.8	
180 Chrysene	228	12.481	12.470	0.011	93	2601044	14.8	
182 Di-n-octyl phthalate	149	13.345	13.333	0.012	100	2634916	14.3	
184 Benzo[b]fluoranthene	252	13.980	13.962	0.018	86	2541953	16.1	
185 Benzo[k]fluoranthene	252	14.021	14.003	0.018	86	2783215	16.2	
186 Benzo[a]pyrene	252	14.485	14.473	0.012	75	2432666	16.6	
190 Indeno[1,2,3-cd]pyrene	276	16.277	16.259	0.018	90	2592538	16.1	
191 Dibenz(a,h)anthracene	278	16.312	16.295	0.017	85	2170597	16.2	
192 Benzo[g,h,i]perylene	276	16.747	16.729	0.018	89	2140344	15.6	
S 193 Methyl Phenols,Total	100				0		30.9	

QC Flag Legend

Review Flags
M - Manually Integrated

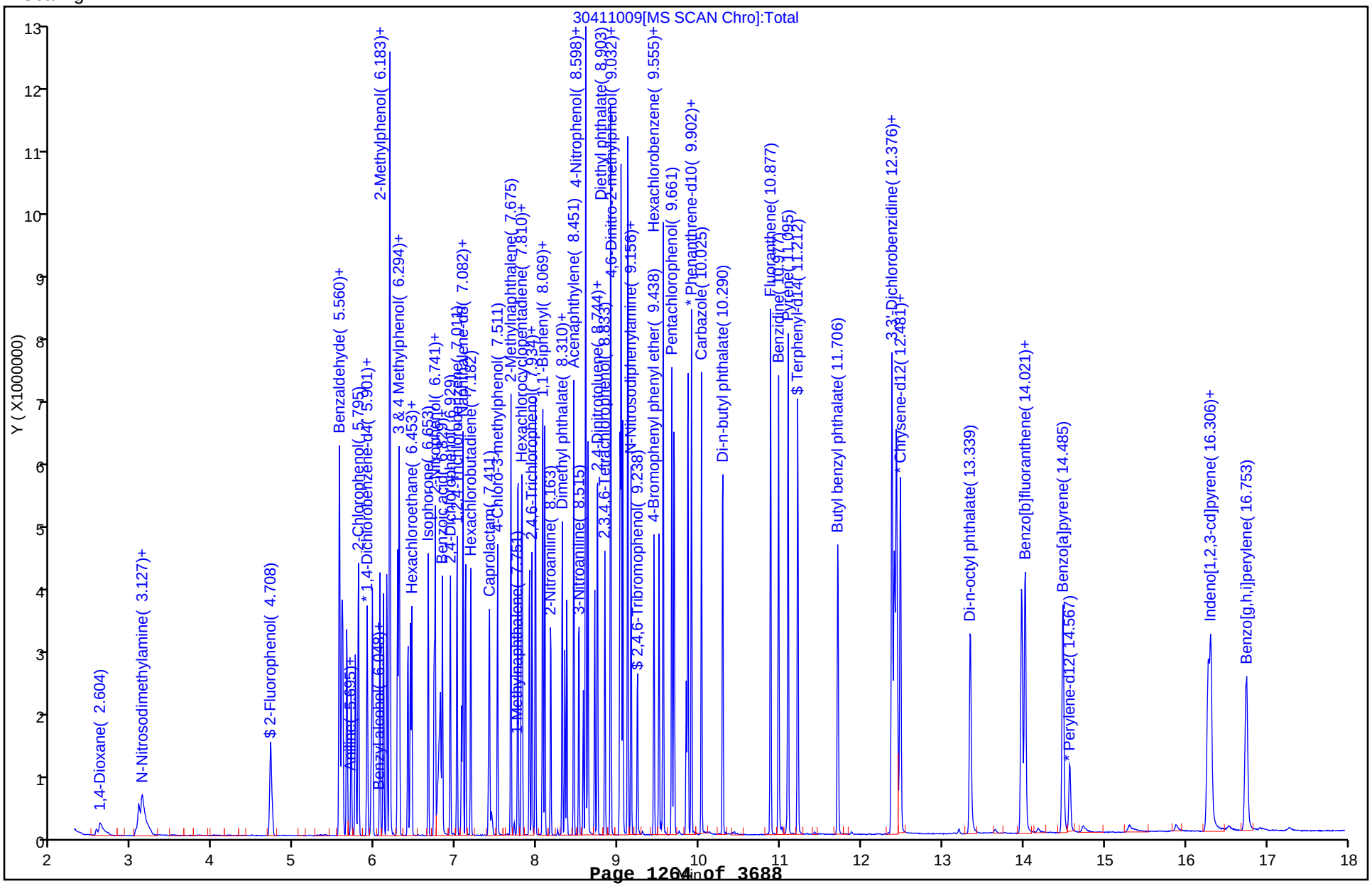
Report Date: 12-Apr-2013 09:42:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411009.D

Injection Date:	11-Apr-2013 20:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

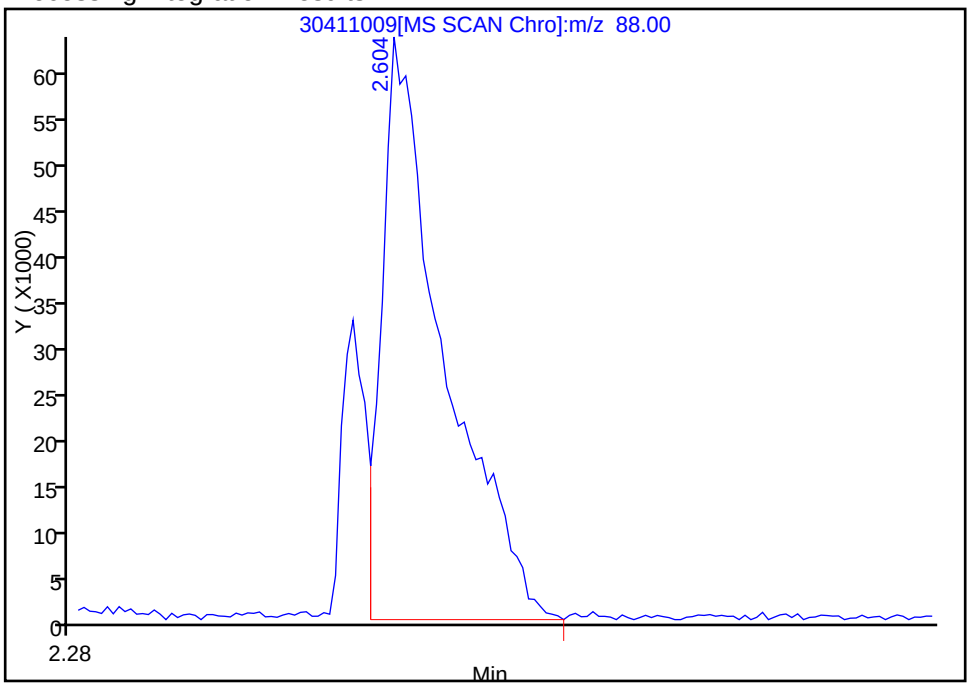
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411009.D		
Injection Date:	11-Apr-2013 20:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	9
Operator ID:	001710	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: 2.60

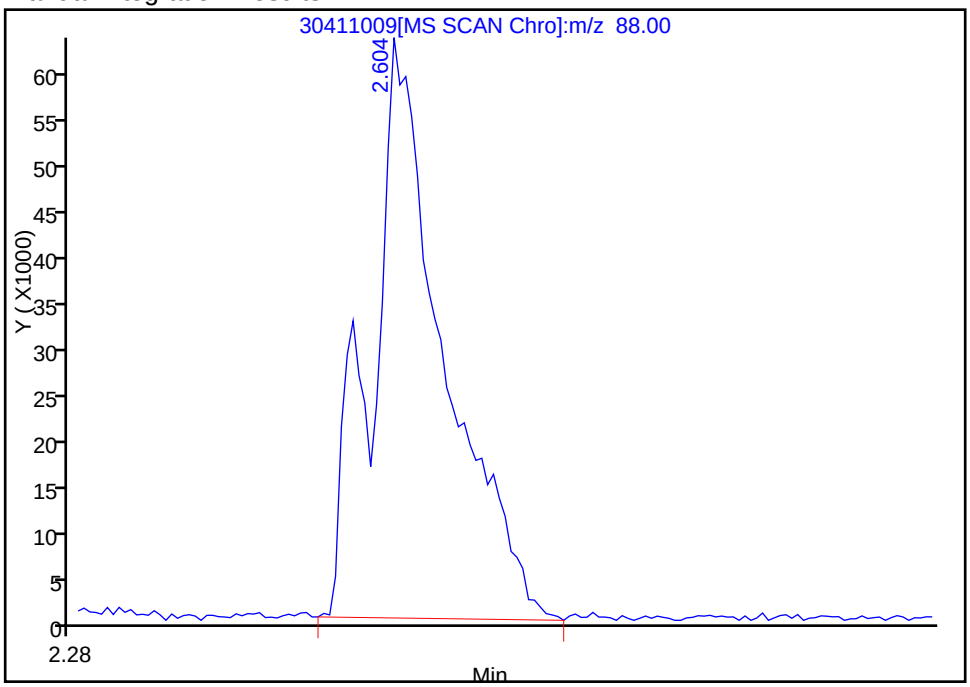
Processing Integration Results

RT: 2.60
Response: 272773
Amount: 12.910987



Manual Integration Results

RT: 2.60
Response: 318938
Amount: 14.705312



Reviewer: gruberj, 12-Apr-2013 09:18:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

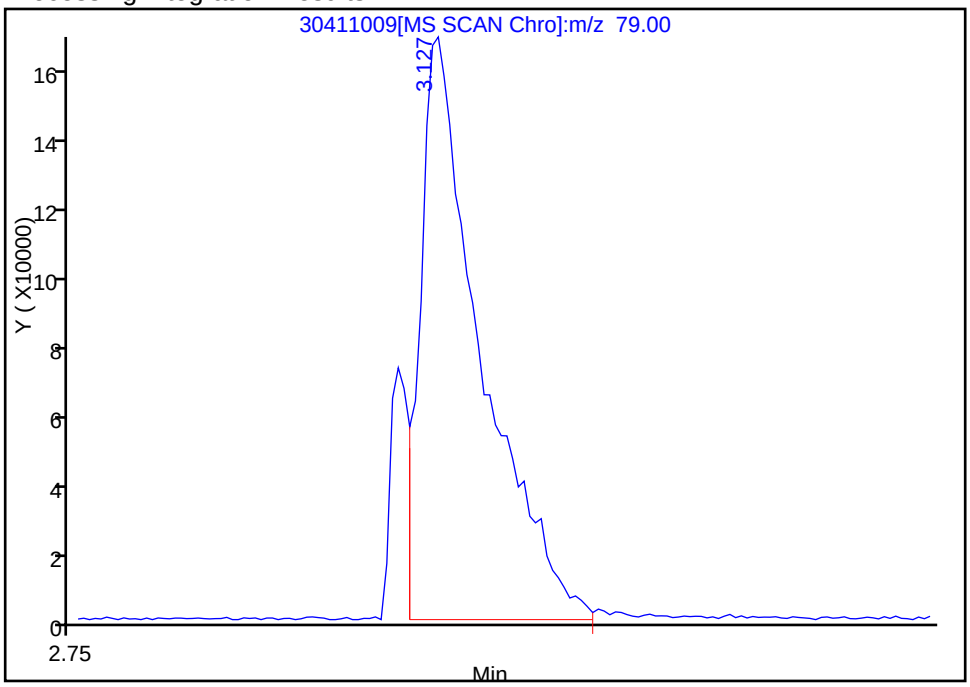
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411009.D		
Injection Date:	11-Apr-2013 20:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	9
Operator ID:	001710	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: 3.13

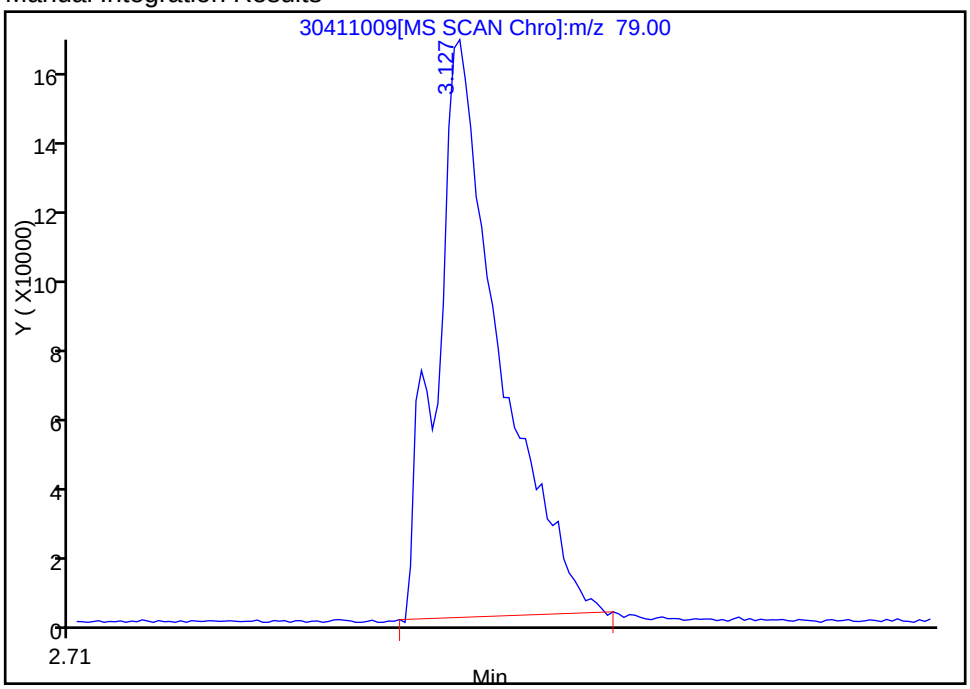
Processing Integration Results

RT: 3.13
Response: 710734
Amount: 14.598813



Manual Integration Results

RT: 3.13
Response: 761099
Amount: 15.499711



Reviewer: gruberj, 12-Apr-2013 09:18:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411010.D		
Lims ID:	std6 lst1	Client ID:	
Inject. Date:	11-Apr-2013 21:19:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0018790-010		
Misc. Info.:	STD6 LST1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	81609	Lims Sample ID:	10
Sublist:	chrom-8270_10*sub27		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:43	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: hulat		Date:	12-Apr-2013 05:54:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.954	5.954	0.0	98	186412	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	710480	4.00	
* 3 Acenaphthene-d10	164	8.568	8.568	0.0	94	434356	4.00	
* 4 Phenanthrene-d10	188	9.837	9.837	0.0	94	809912	4.00	
* 5 Chrysene-d12	240	12.446	12.446	0.0	72	883495	4.00	
* 6 Perylene-d12	264	14.567	14.567	0.0	78	695044	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	95	518302	9.61	
$ 8 Phenol-d5	99	5.589	5.589	0.0	85	684817	9.53	
$ 9 Nitrobenzene-d5	82	6.436	6.436	0.0	90	634034	9.54	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	1307821	9.34	
$ 11 2,4,6-Tribromophenol	330	9.238	9.238	0.0	91	158023	9.94	
$ 12 Terphenyl-d14	244	11.212	11.212	0.0	99	1617749	9.31	
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
25 1,4-Dioxane	88	2.611	2.611	0.0	94	236614	9.22	M
26 N-Nitrosodimethylamine	74	3.075	3.075	0.0	84	312475	10.1	
27 Pyridine	79	3.128	3.128	0.0	88	574011	9.96	M
41 Benzaldehyde	77	5.560	5.560	0.0	89	973909	19.2	
43 Phenol	94	5.601	5.601	0.0	95	683517	9.67	
44 Aniline	93	5.648	5.648	0.0	94	845753	9.71	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	94	514179	9.40	
47 2-Chlorophenol	128	5.754	5.754	0.0	97	541952	9.51	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	595610	9.66	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	91	608860	9.68	
50 Benzyl alcohol	108	6.059	6.059	0.0	90	355010	9.81	
51 1,2-Dichlorobenzene	146	6.101	6.101	0.0	95	578791	9.65	
52 2-Methylphenol	108	6.142	6.142	0.0	99	503367	9.78	
53 Indene	115	6.183	6.183	0.0	75	2040512	19.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.183	6.183	0.0	56	827782	9.90	
56 3 & 4 Methylphenol	108	6.277	6.277	0.0	93	534212	9.96	
57 N-Nitrosodi-n-propylamine	70	6.289	6.289	0.0	88	380422	9.91	
58 Acetophenone	105	6.300	6.300	0.0	86	784632	9.81	
61 Hexachloroethane	117	6.406	6.406	0.0	95	234155	9.63	
62 Nitrobenzene	77	6.453	6.453	0.0	89	602745	9.98	
64 Isophorone	82	6.653	6.653	0.0	96	1069946	9.87	
66 2-Nitrophenol	139	6.729	6.729	0.0	96	299767	10.4	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	94	548402	9.91	
70 Benzoic acid	122	6.794	6.794	0.0	85	615619	19.5	M
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	94	635518	9.95	
72 2,4-Dichlorophenol	162	6.929	6.929	0.0	95	460330	10.1	
73 1,2,4-Trichlorobenzene	180	7.011	7.011	0.0	94	532016	9.99	
74 Naphthalene	128	7.082	7.082	0.0	99	1628498	9.88	
75 4-Chloroaniline	127	7.117	7.117	0.0	85	686669	10.0	
78 Hexachlorobutadiene	225	7.182	7.182	0.0	91	324885	9.97	
83 Caprolactam	113	7.405	7.405	0.0	74	307578	19.7	
85 4-Chloro-3-methylphenol	107	7.511	7.511	0.0	93	493306	10.2	
87 2-Methylnaphthalene	142	7.675	7.675	0.0	85	1101656	9.94	
88 1-Methylnaphthalene	142	7.758	7.758	0.0	82	1013523	9.75	
89 Hexachlorocyclopentadiene	237	7.805	7.805	0.0	95	352302	10.2	
92 1,2,4,5-Tetrachlorobenzene	216	7.816	7.816	0.0	93	575040	9.97	
93 2,4,6-Trichlorophenol	196	7.904	7.904	0.0	93	365061	10.2	
94 2,4,5-Trichlorophenol	196	7.934	7.934	0.0	95	378966	10.2	
98 1,1'-Biphenyl	154	8.069	8.069	0.0	95	1399472	9.96	
100 2-Chloronaphthalene	162	8.092	8.092	0.0	96	1049493	9.82	
102 2-Nitroaniline	65	8.163	8.163	0.0	80	333811	10.2	
105 Dimethyl phthalate	163	8.310	8.310	0.0	99	1213193	10.0	
106 1,3-Dinitrobenzene	168	8.339	8.339	0.0	82	202189	10.0	
107 2,6-Dinitrotoluene	165	8.363	8.363	0.0	87	277211	10.5	
109 Acenaphthylene	152	8.451	8.451	0.0	91	1713120	10.1	
110 3-Nitroaniline	138	8.510	8.510	0.0	92	298459	9.33	
112 Acenaphthene	153	8.598	8.598	0.0	92	1144426	9.68	
111 2,4-Dinitrophenol	184	8.598	8.598	0.0	73	389816	19.8	
113 4-Nitrophenol	109	8.627	8.627	0.0	93	349554	19.3	
114 2,4-Dinitrotoluene	165	8.709	8.709	0.0	89	371972	9.49	
116 Dibenzofuran	168	8.745	8.745	0.0	88	1566499	9.83	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	70	337721	10.4	
121 Diethyl phthalate	149	8.903	8.903	0.0	96	1221169	9.74	
123 4-Chlorophenyl phenyl ether	204	9.021	9.021	0.0	90	679997	9.97	
125 4-Nitroaniline	138	9.033	9.033	0.0	63	316074	10.6	
126 Fluorene	166	9.033	9.033	0.0	81	1285001	9.92	
128 4,6-Dinitro-2-methylphenol	198	9.056	9.056	0.0	86	521792	19.0	
129 N-Nitrosodiphenylamine	169	9.115	9.115	0.0	96	1935122	20.2	
131 1,2-Diphenylhydrazine	77	9.156	9.156	0.0	96	1282930	9.97	
132 Azobenzene	77	9.156	9.156	0.0	100	1275629	9.91	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	65	358827	9.93	
141 Hexachlorobenzene	284	9.503	9.503	0.0	92	360567	9.85	
142 Atrazine	200	9.555	9.555	0.0	94	748683	20.6	
144 Pentachlorophenol	266	9.661	9.661	0.0	86	502665	19.1	
149 Phenanthrene	178	9.861	9.861	0.0	97	1836638	9.78	
150 Anthracene	178	9.902	9.902	0.0	98	1885354	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.026	10.026	0.0	83	1687265	9.81	
155 Di-n-butyl phthalate	149	10.290	10.290	0.0	100	2109283	10.0	
160 Fluoranthene	202	10.877	10.877	0.0	98	2211161	9.98	
161 Benzidine	184	10.977	10.977	0.0	99	1838302	20.0	
162 Pyrene	202	11.095	11.095	0.0	95	2239972	9.82	
170 Butyl benzyl phthalate	149	11.712	11.712	0.0	96	909395	10.5	
177 3,3'-Dichlorobenzidine	252	12.376	12.376	0.0	70	1491428	20.7	
175 Bis(2-ethylhexyl) phthalate	149	12.405	12.405	0.0	96	1292173	10.6	
179 Benzo[a]anthracene	228	12.429	12.429	0.0	93	2132546	9.70	
180 Chrysene	228	12.481	12.481	0.0	94	1999965	9.91	
182 Di-n-octyl phthalate	149	13.345	13.345	0.0	100	1981231	9.23	
184 Benzo[b]fluoranthene	252	13.974	13.974	0.0	93	1926505	10.3	
185 Benzo[k]fluoranthene	252	14.015	14.015	0.0	99	2095142	10.3	
186 Benzo[a]pyrene	252	14.485	14.485	0.0	75	1823222	10.5	
190 Indeno[1,2,3-cd]pyrene	276	16.277	16.277	0.0	98	1931031	10.2	
191 Dibenz(a,h)anthracene	278	16.306	16.306	0.0	86	1601821	10.1	
192 Benzo[g,h,i]perylene	276	16.747	16.747	0.0	89	1602658	9.88	
S 193 Methyl Phenols,Total	100				0		19.7	

QC Flag Legend

Review Flags
M - Manually Integrated

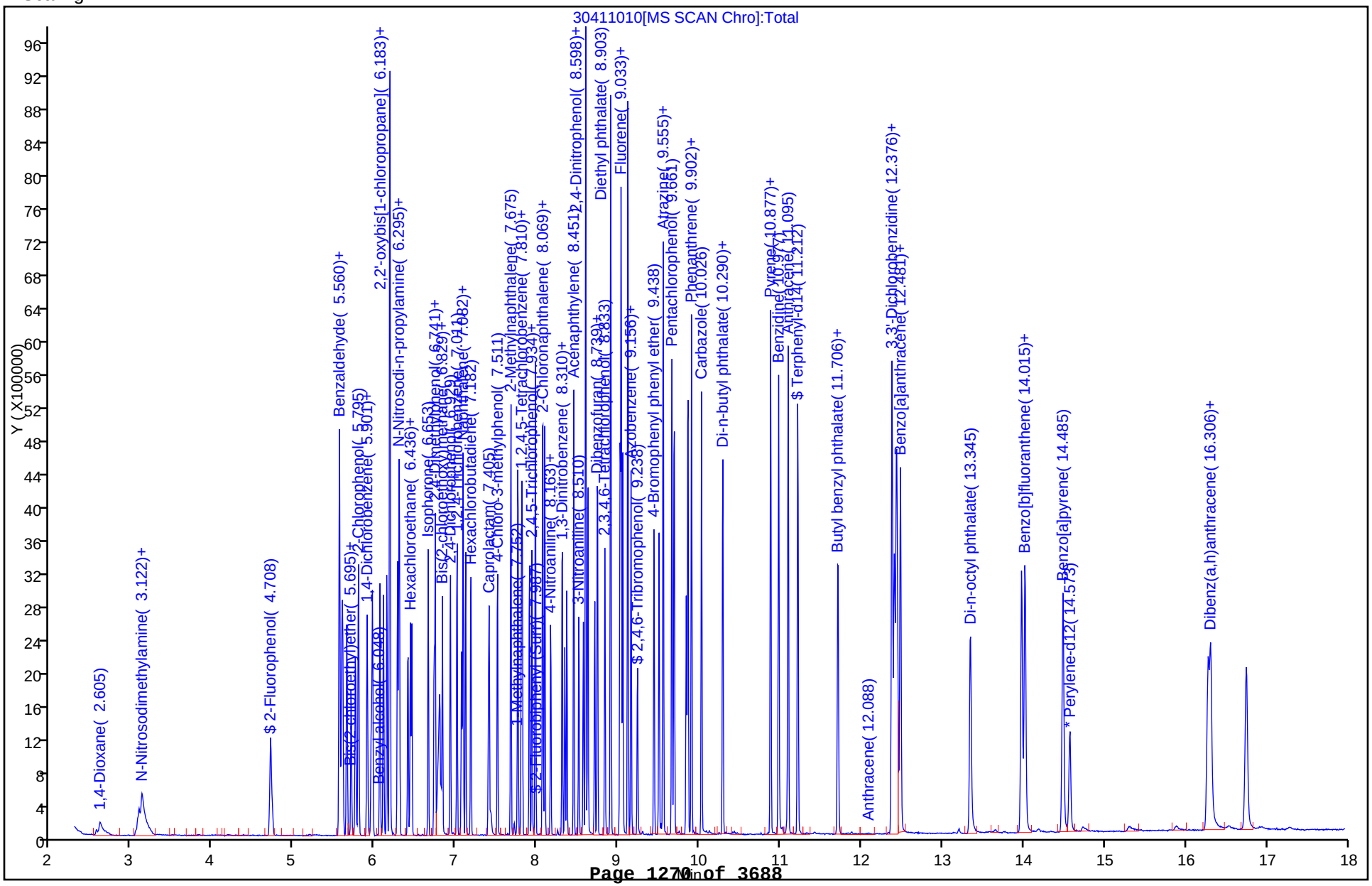
Report Date: 12-Apr-2013 09:42:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411010.D

Injection Date:	11-Apr-2013 21:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

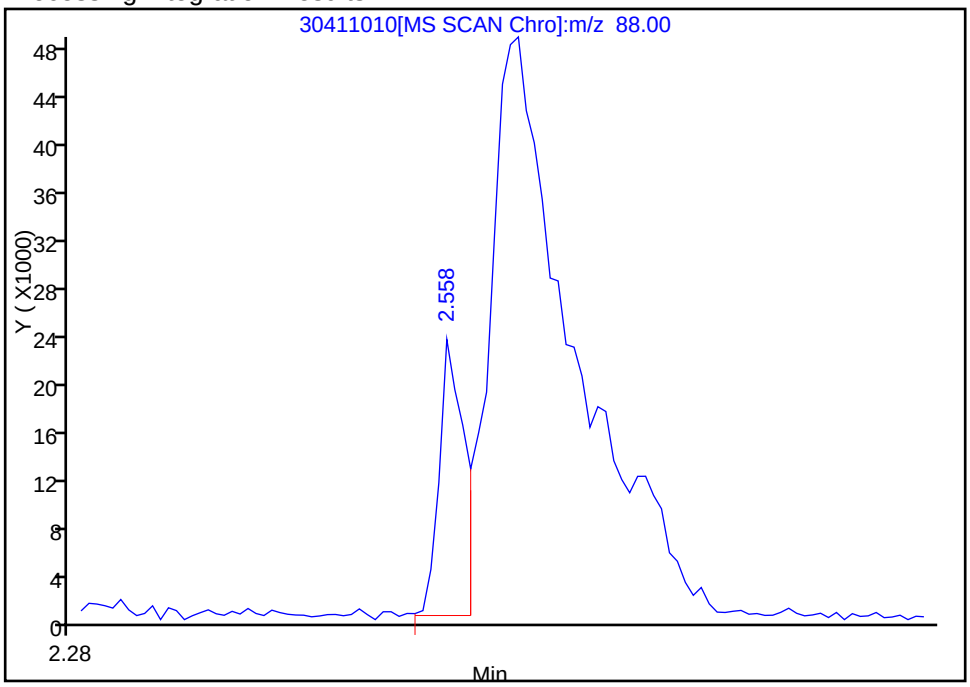
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411010.D		
Injection Date:	11-Apr-2013 21:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	10
Operator ID:	001710	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: 2.61

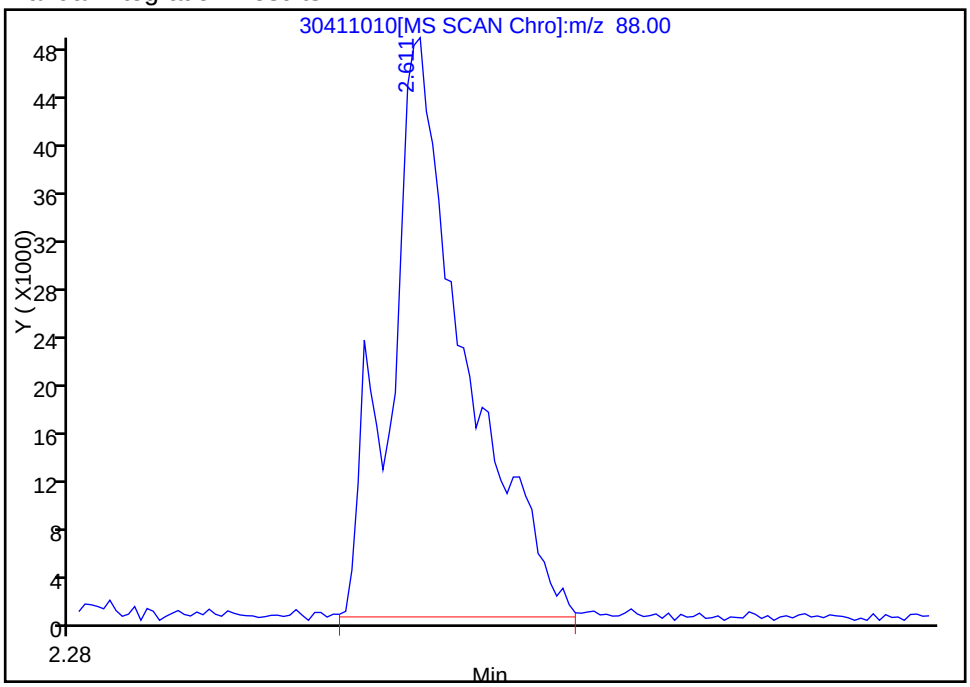
Processing Integration Results

RT: 2.56
Response: 29961
Amount: 10.000000



Manual Integration Results

RT: 2.61
Response: 236614
Amount: 9.223082



Reviewer: gruberj, 12-Apr-2013 08:22:26
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

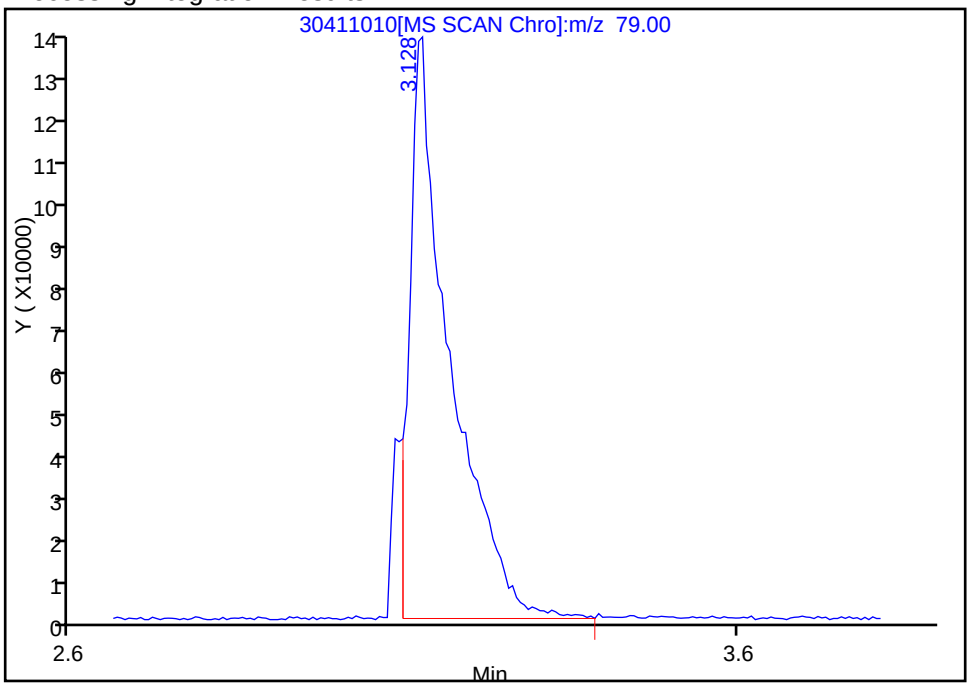
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411010.D		
Injection Date:	11-Apr-2013 21:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	10
Operator ID:	001710	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: 3.13

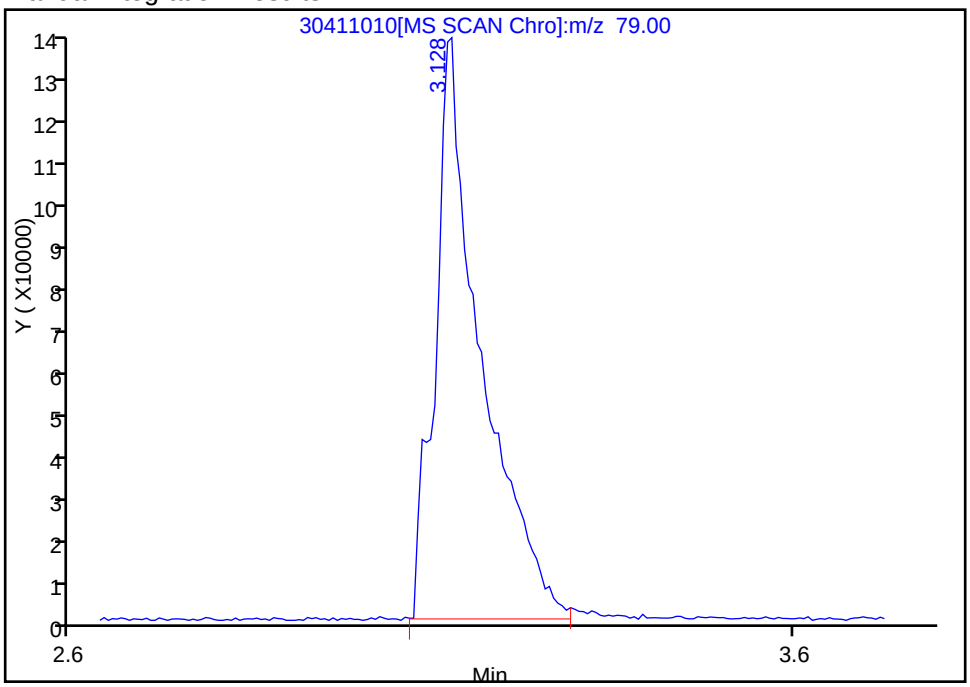
Processing Integration Results

RT: 3.13
Response: 544539
Amount: 10.000000



Manual Integration Results

RT: 3.13
Response: 574011
Amount: 9.959231



Reviewer: gruberj, 12-Apr-2013 08:22:26
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

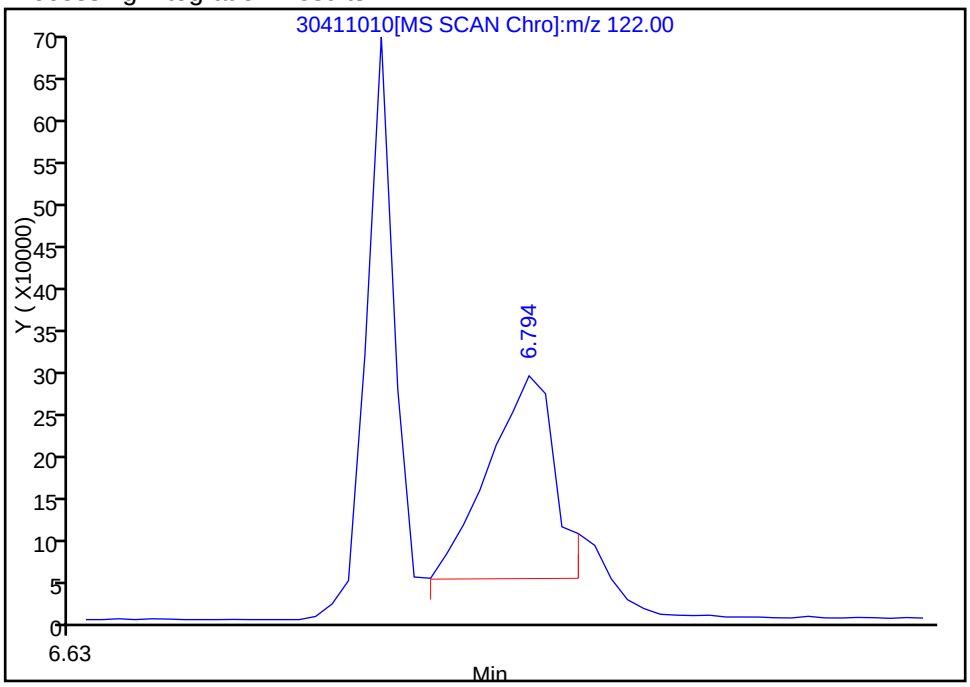
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411010.D		
Injection Date:	11-Apr-2013 21:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

70 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.79

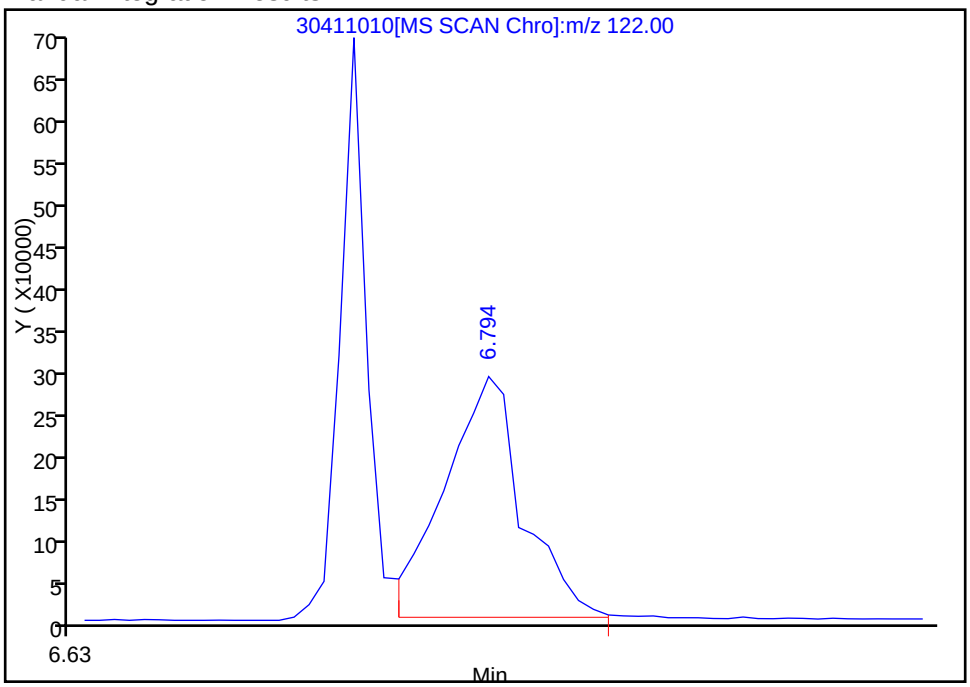
Processing Integration Results

RT: 6.79
Response: 399820
Amount: 20.000000



Manual Integration Results

RT: 6.79
Response: 615619
Amount: 19.504272



Reviewer: gruberj, 12-Apr-2013 08:22:26
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

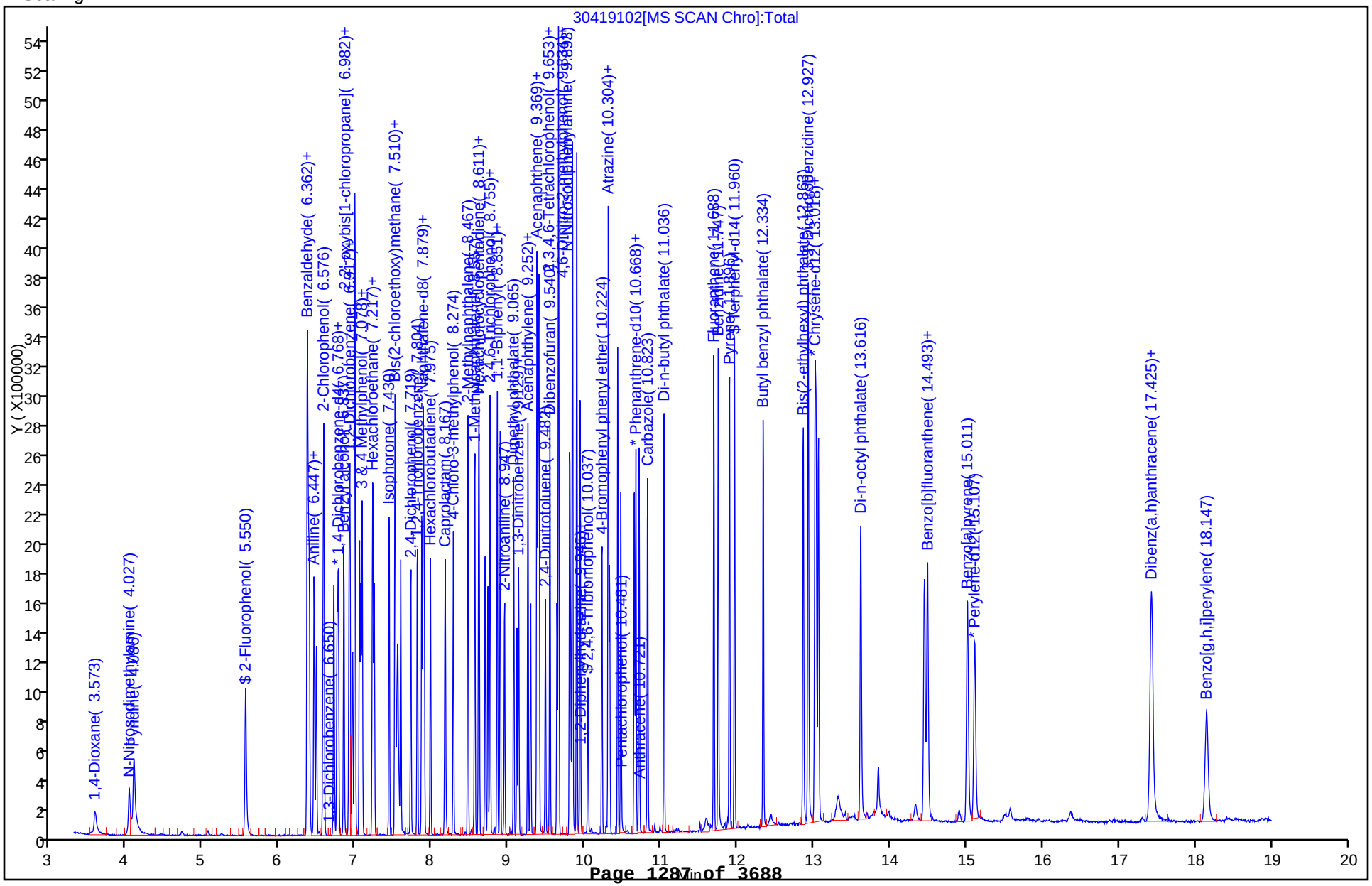
Report Date: 19-Apr-2013 15:20:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

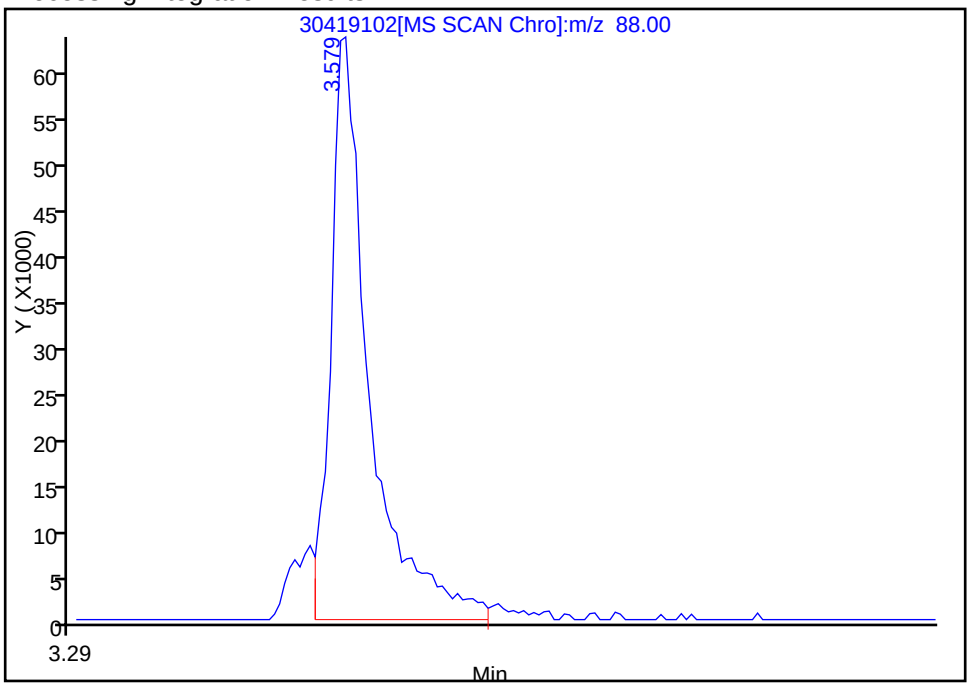
TestAmerica Canton

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

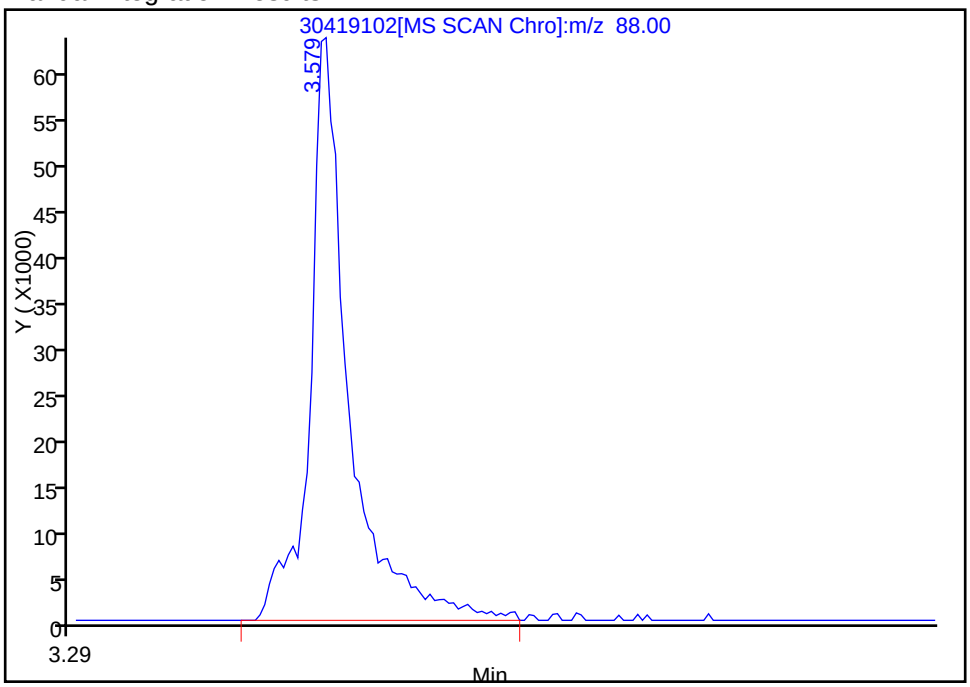
Processing Integration Results

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

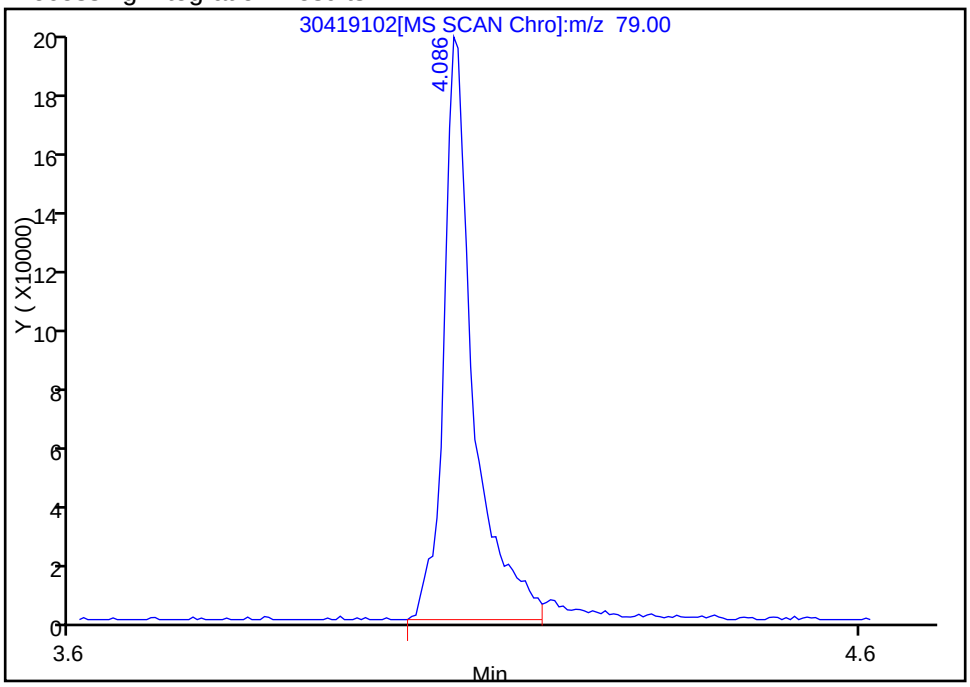
TestAmerica Canton

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

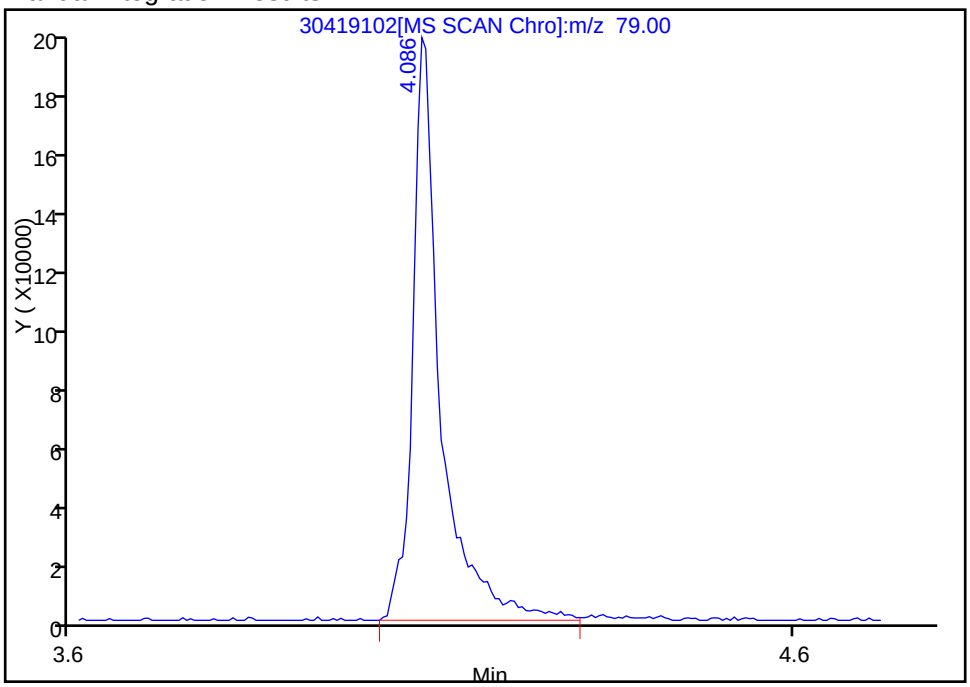
Processing Integration Results

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

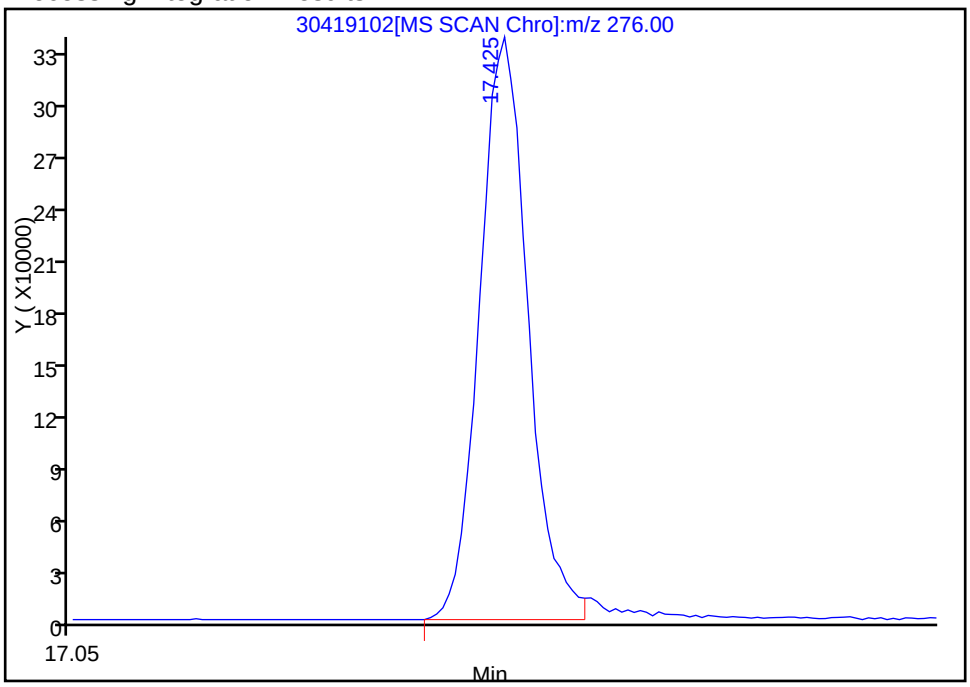
TestAmerica Canton

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

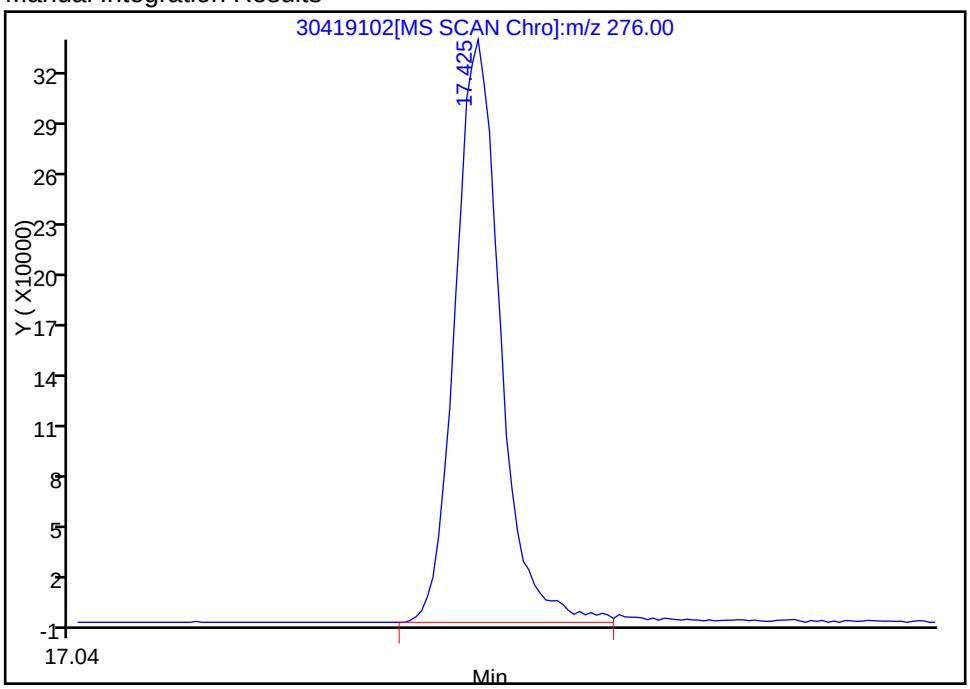
Processing Integration Results

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

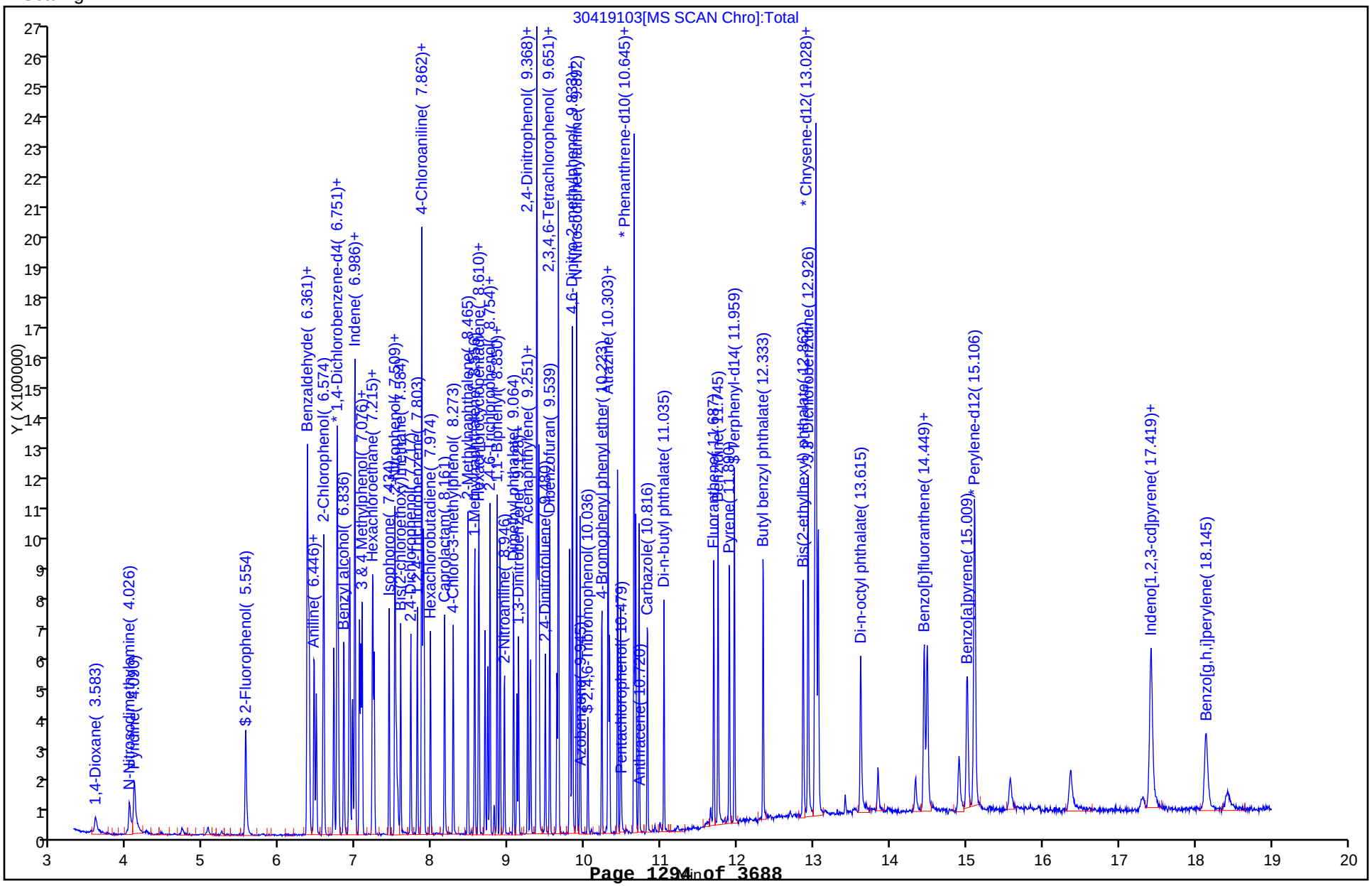
Report Date: 19-Apr-2013 15:20:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

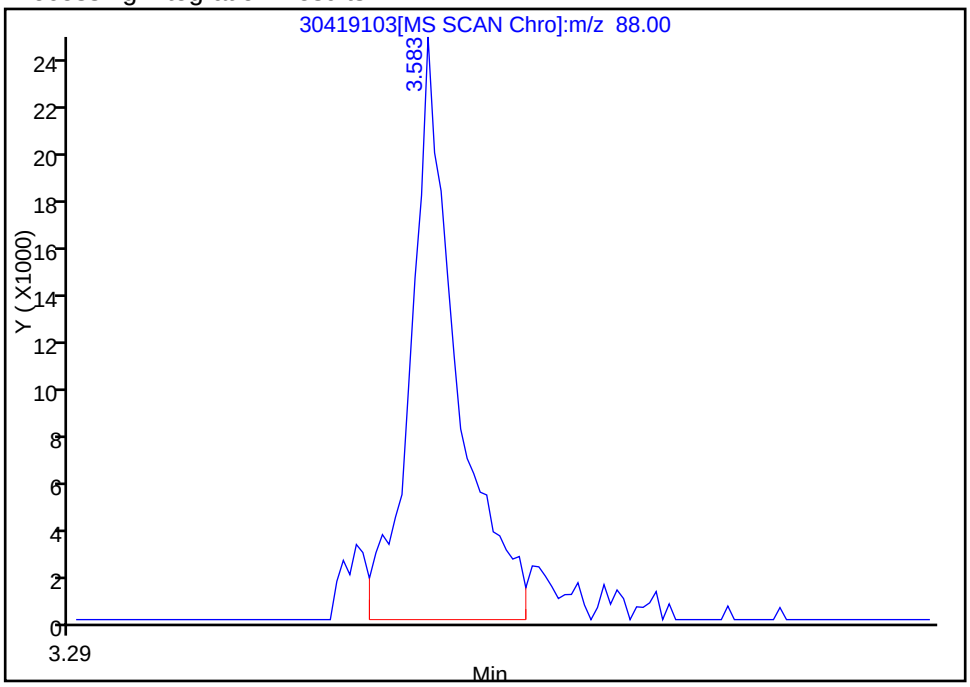
TestAmerica Canton

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

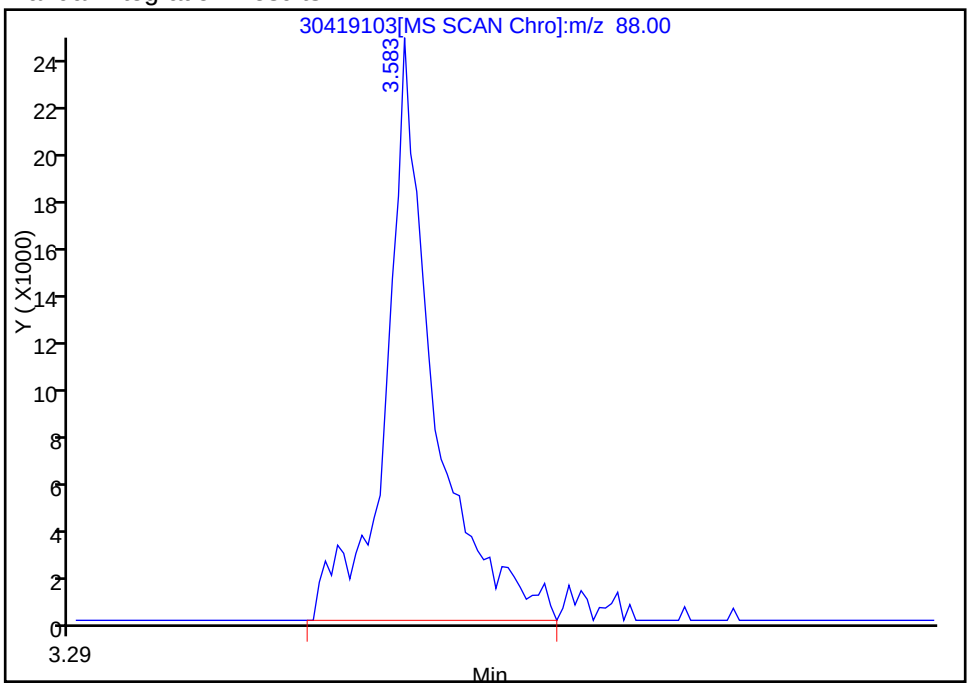
Processing Integration Results

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

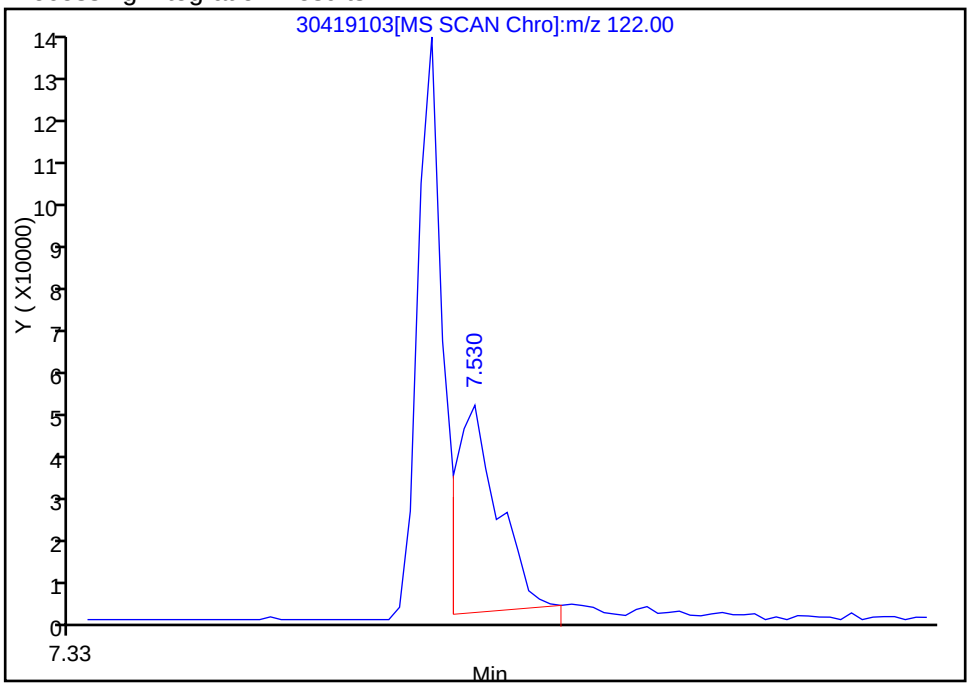
TestAmerica Canton

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

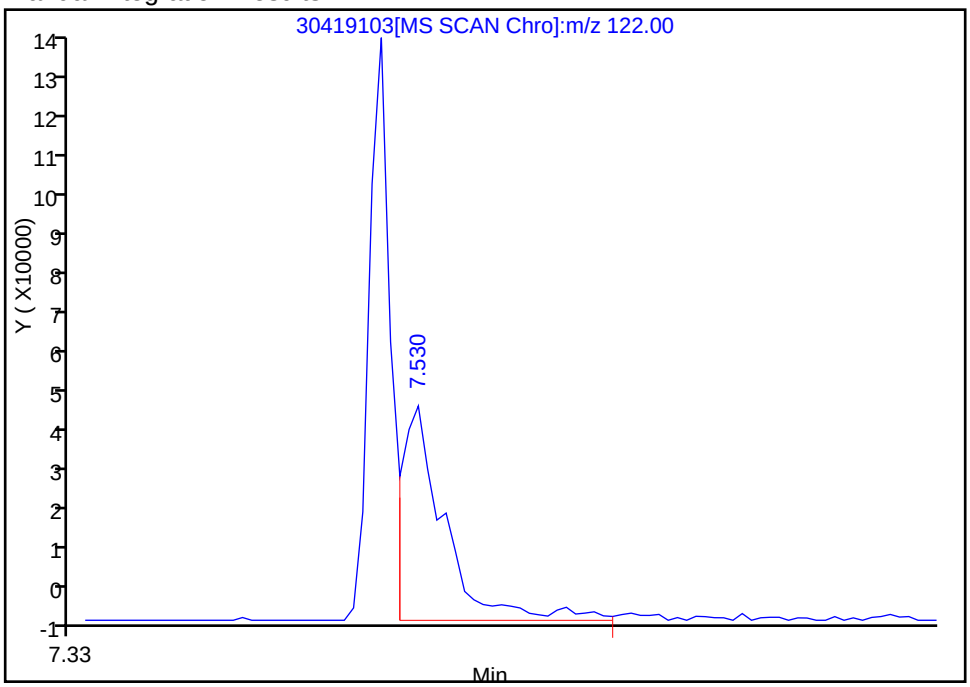
Processing Integration Results

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

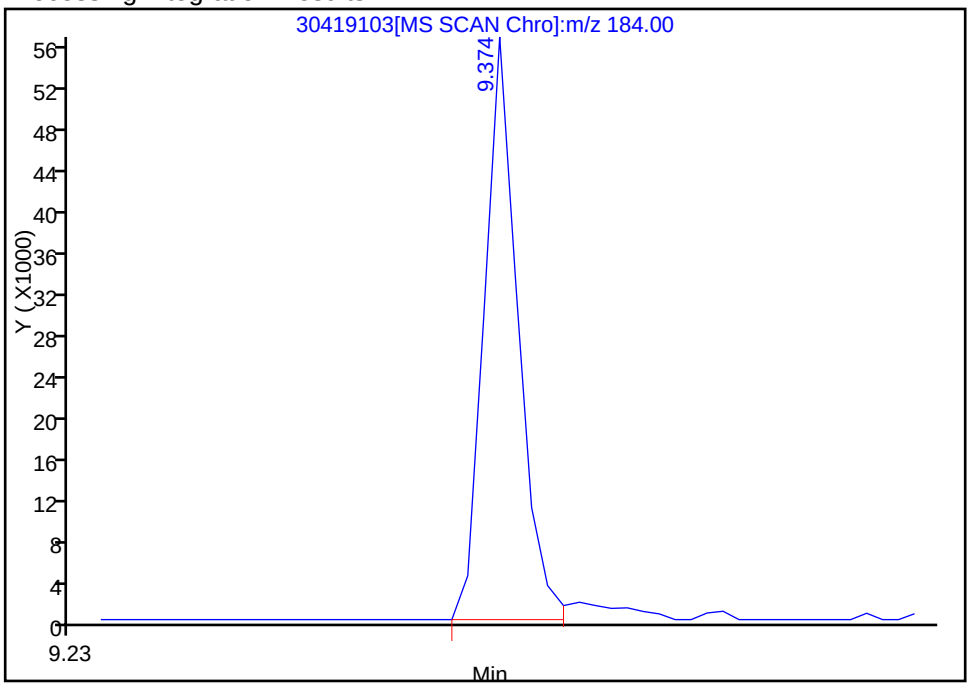
TestAmerica Canton

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

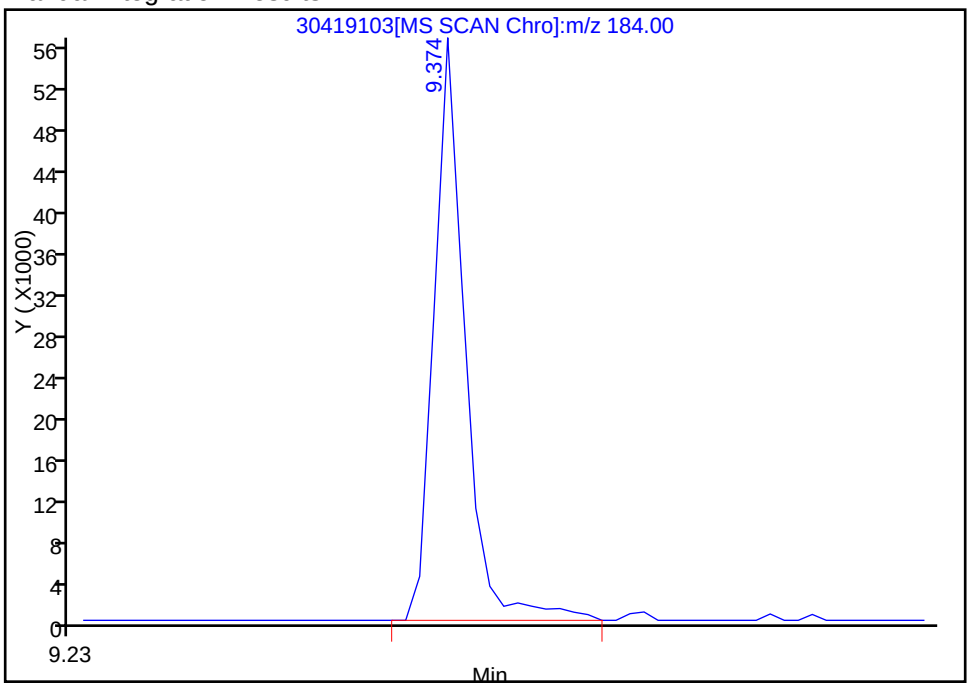
Processing Integration Results

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

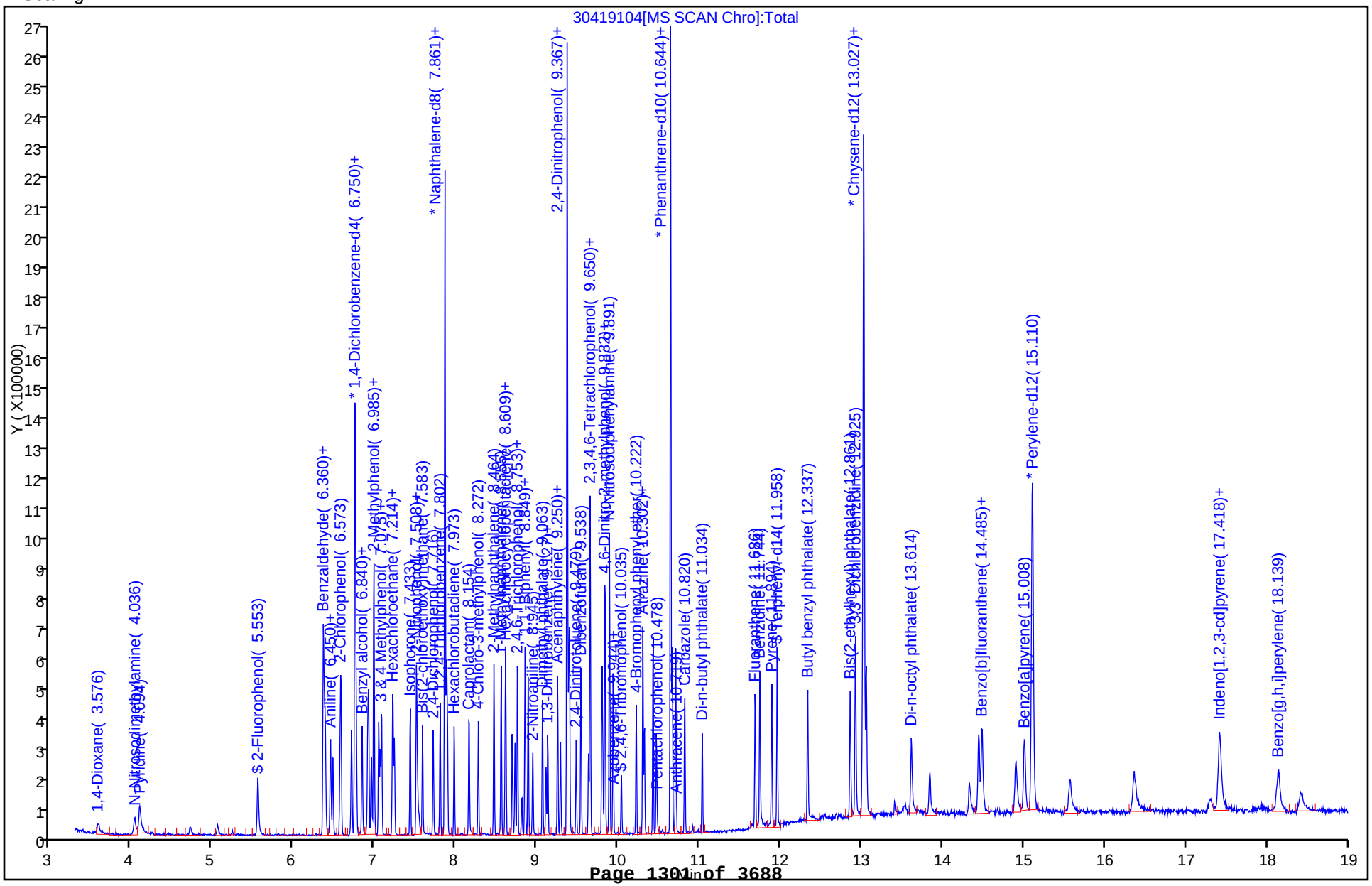
Report Date: 19-Apr-2013 15:20:13 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

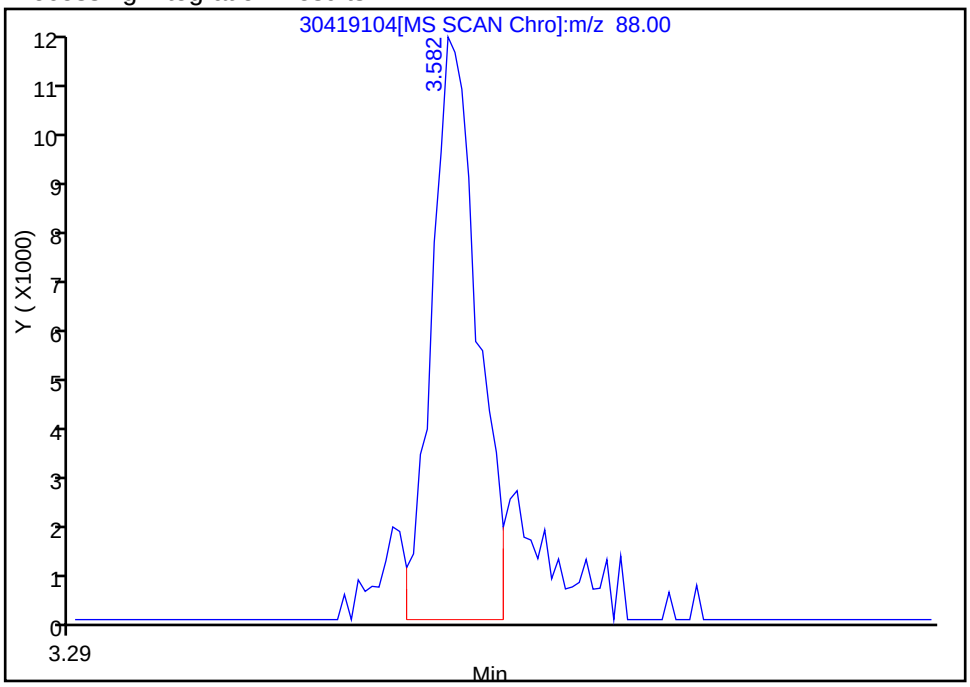
TestAmerica Canton

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

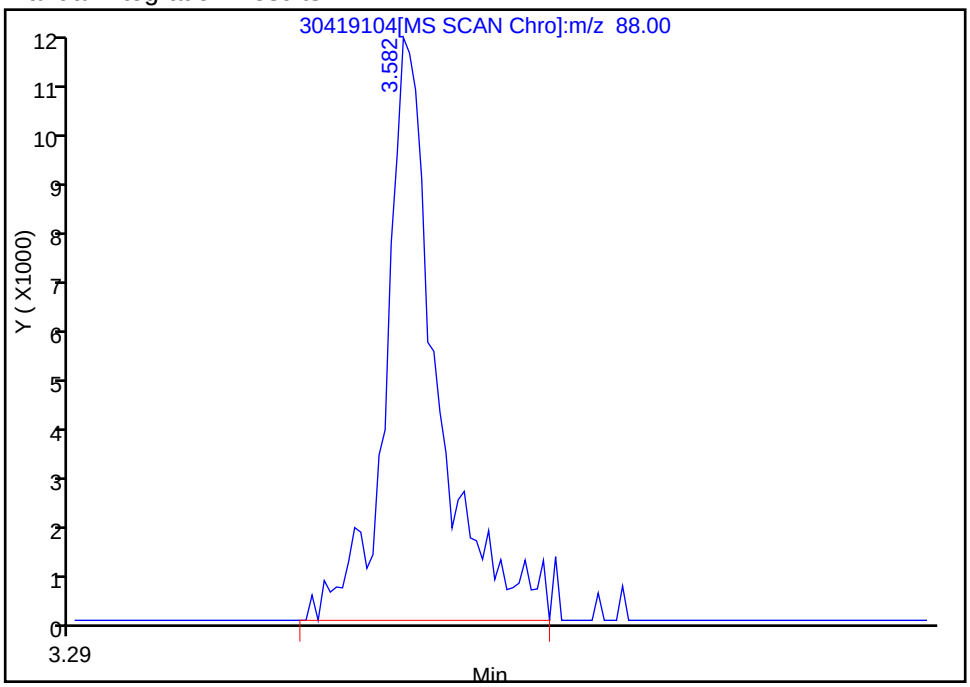
Processing Integration Results

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

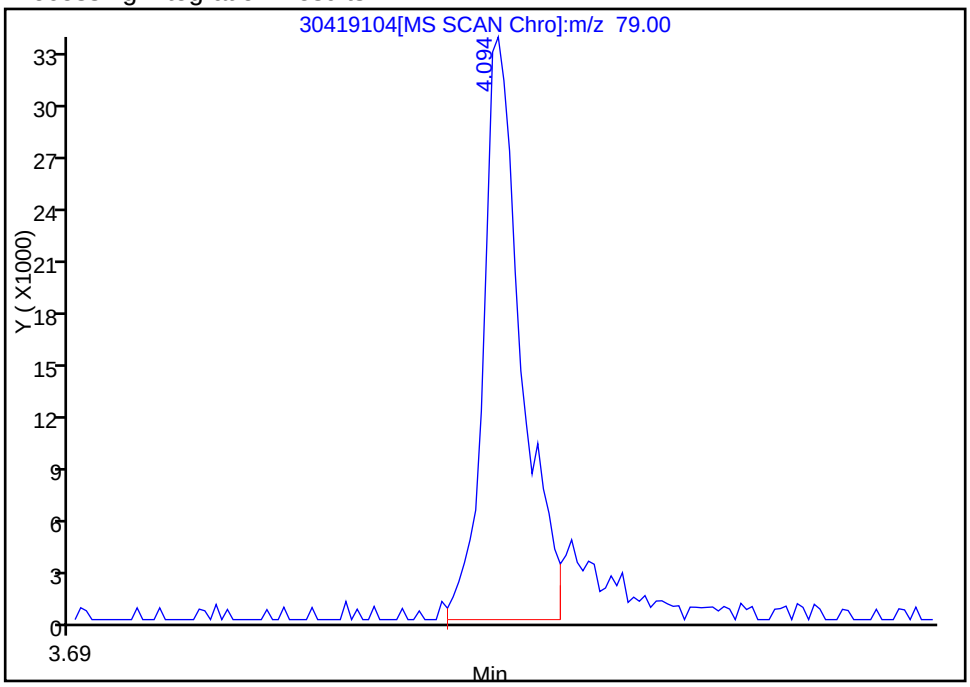
TestAmerica Canton

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

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 4.09

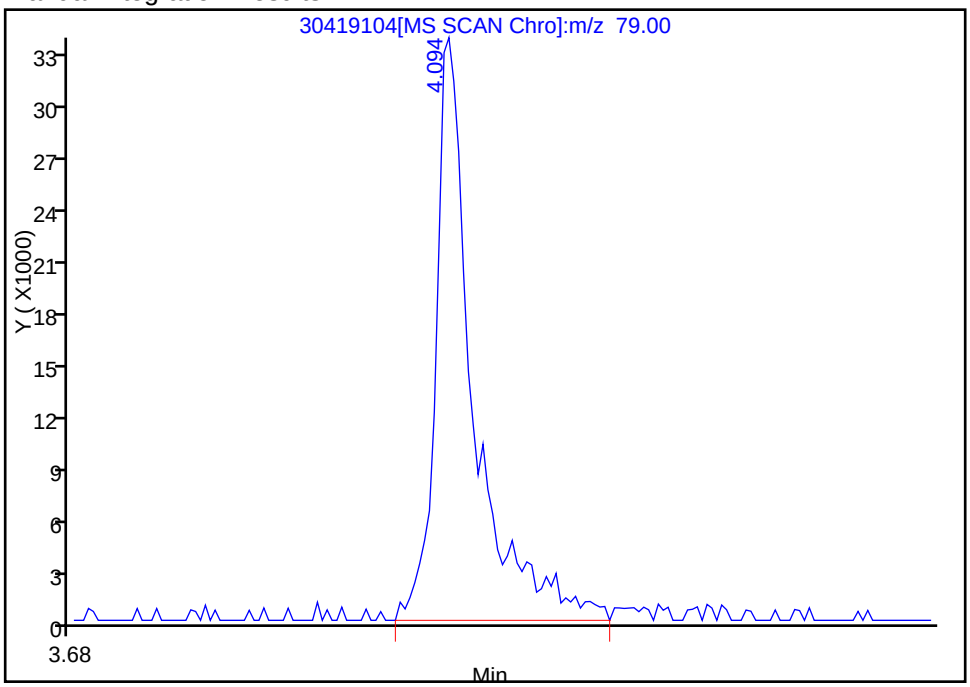
Processing Integration Results

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
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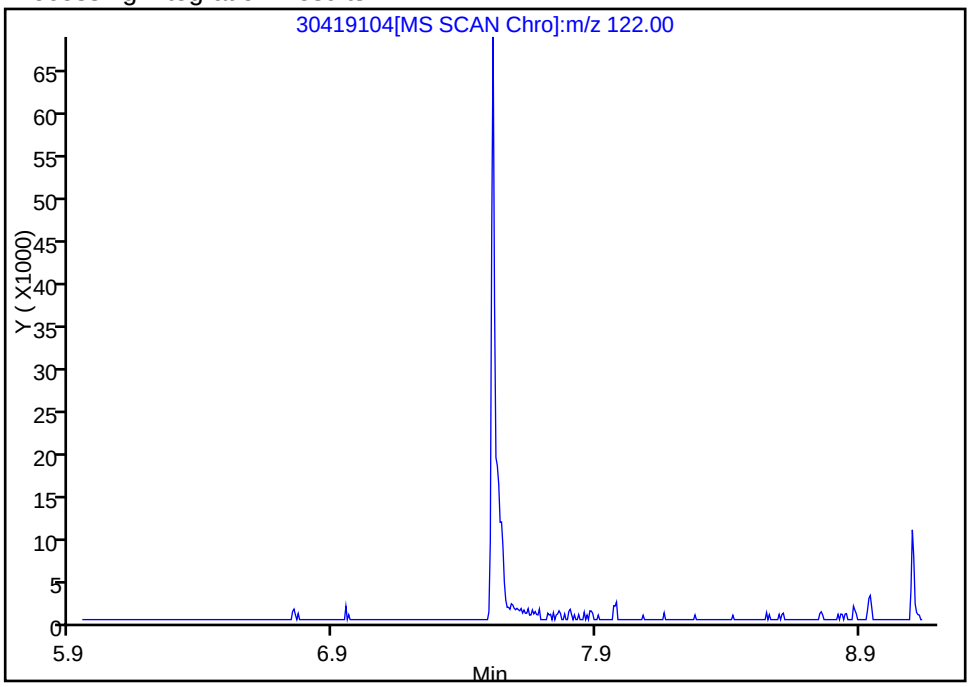
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 7.54

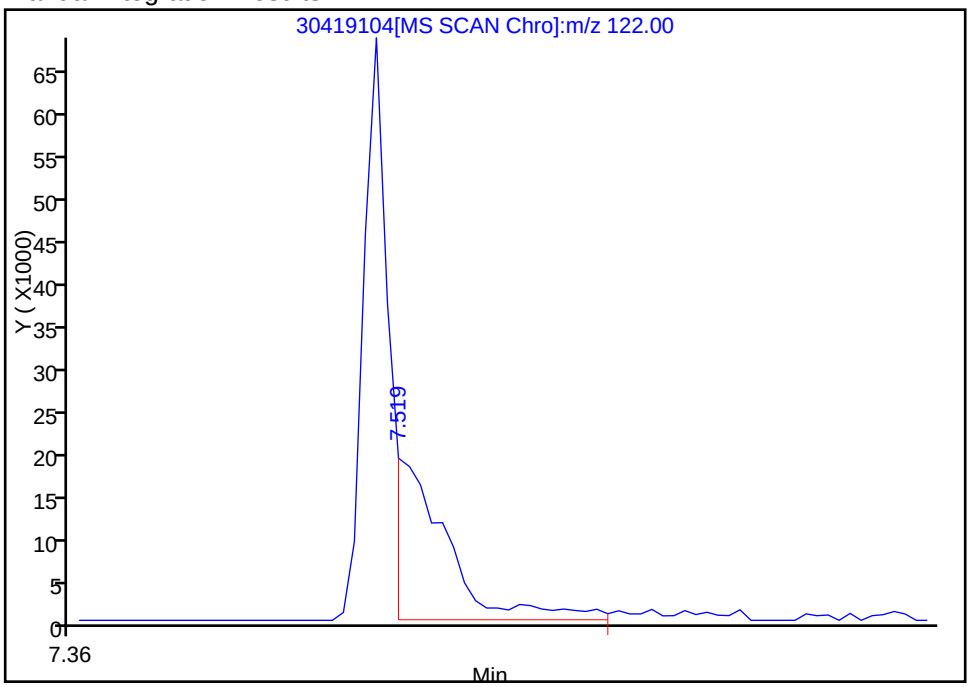
Not Detected
Expected RT: 7.54

Processing Integration Results



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

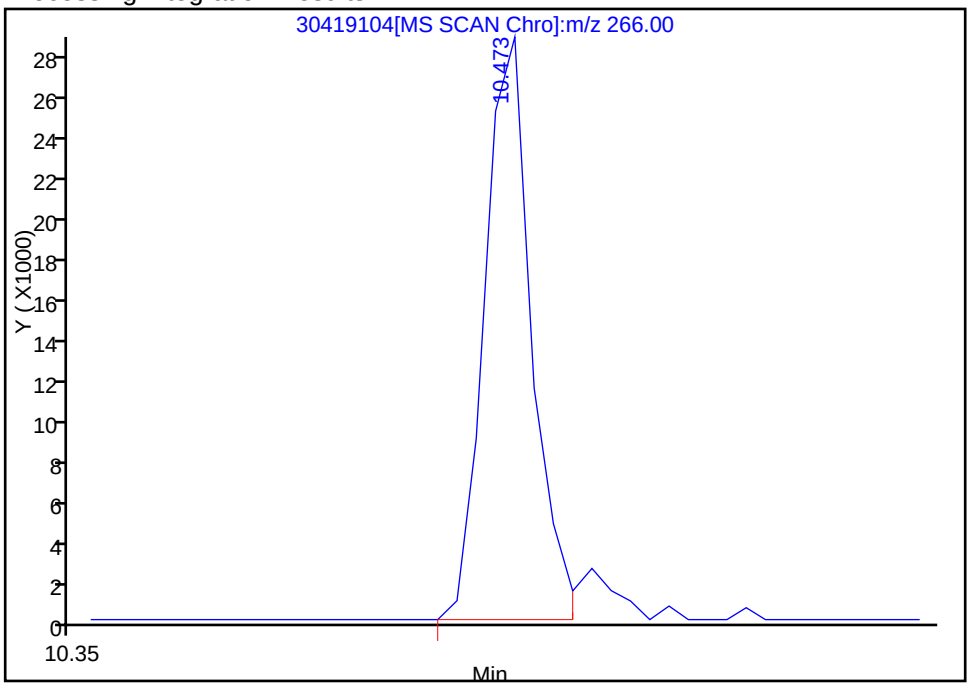
TestAmerica Canton

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

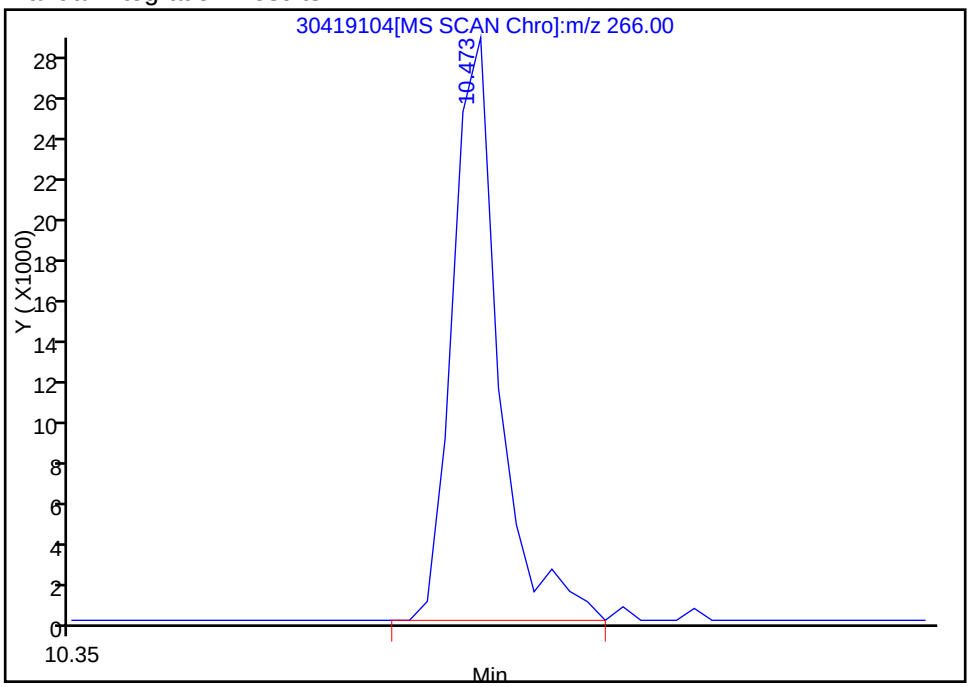
Processing Integration Results

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

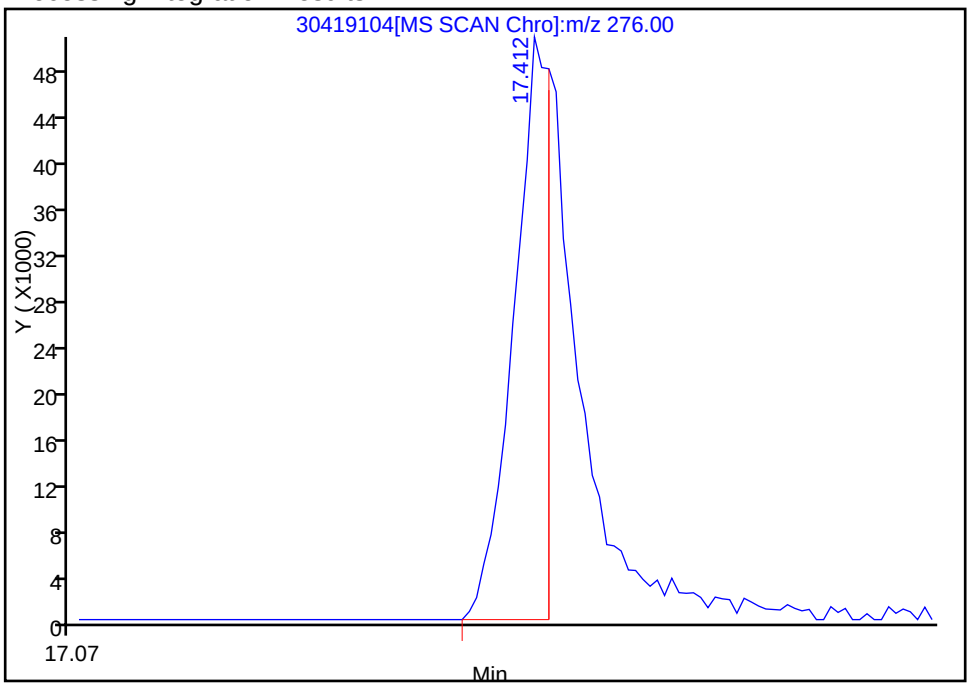
TestAmerica Canton

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

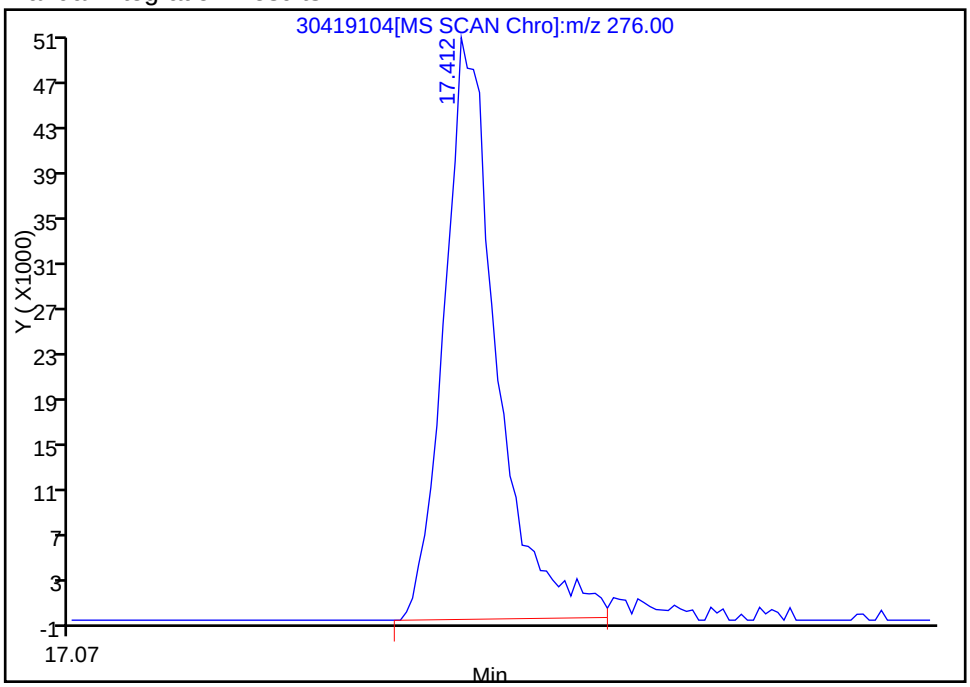
Processing Integration Results

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

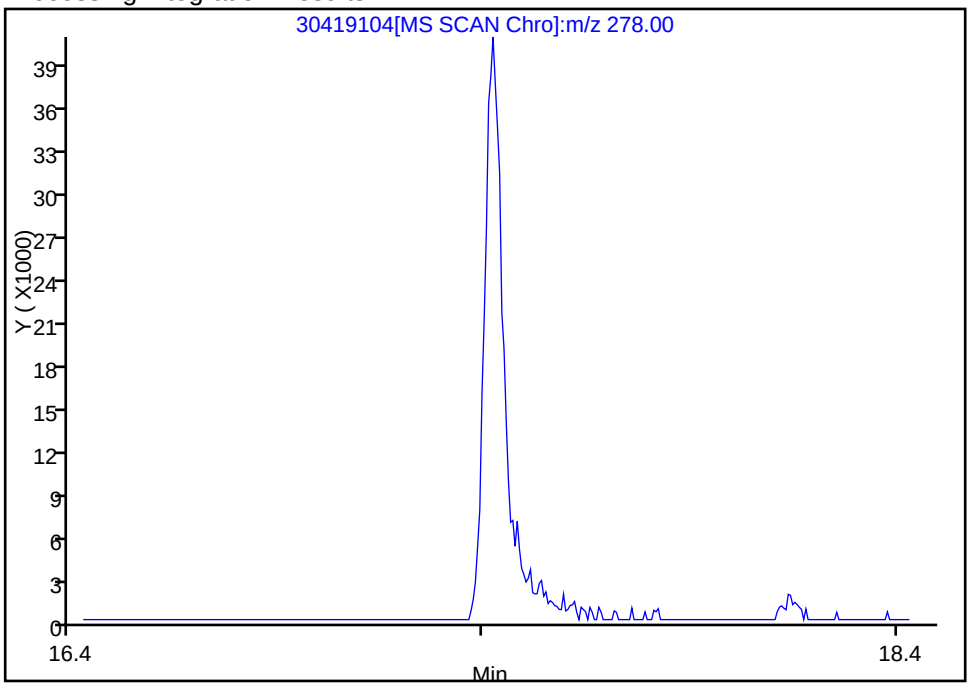
TestAmerica Canton

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

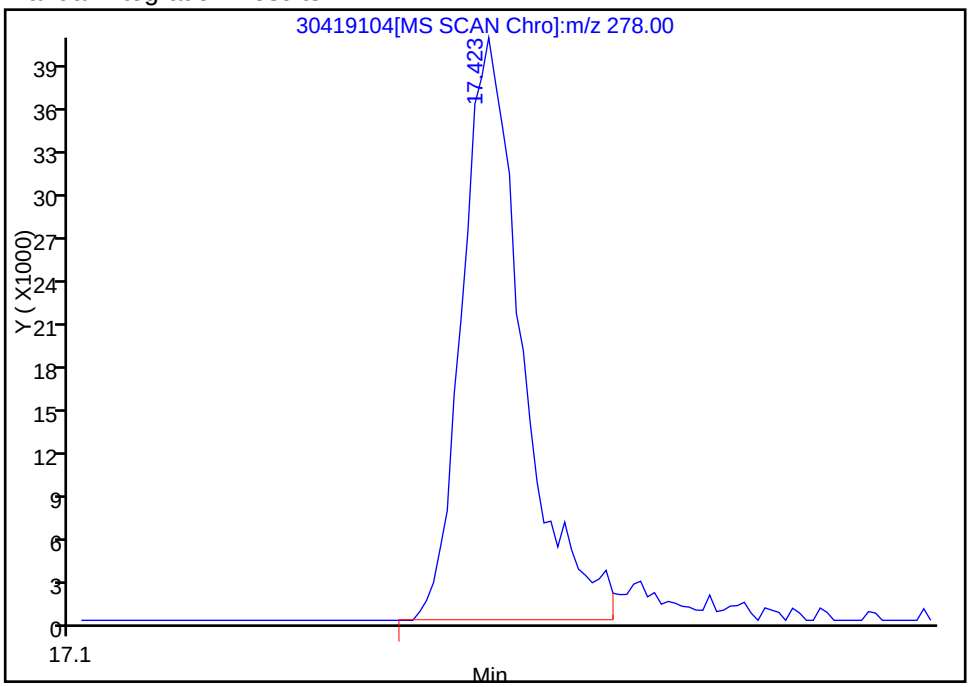
Not Detected
Expected RT: 17.43

Processing Integration Results



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

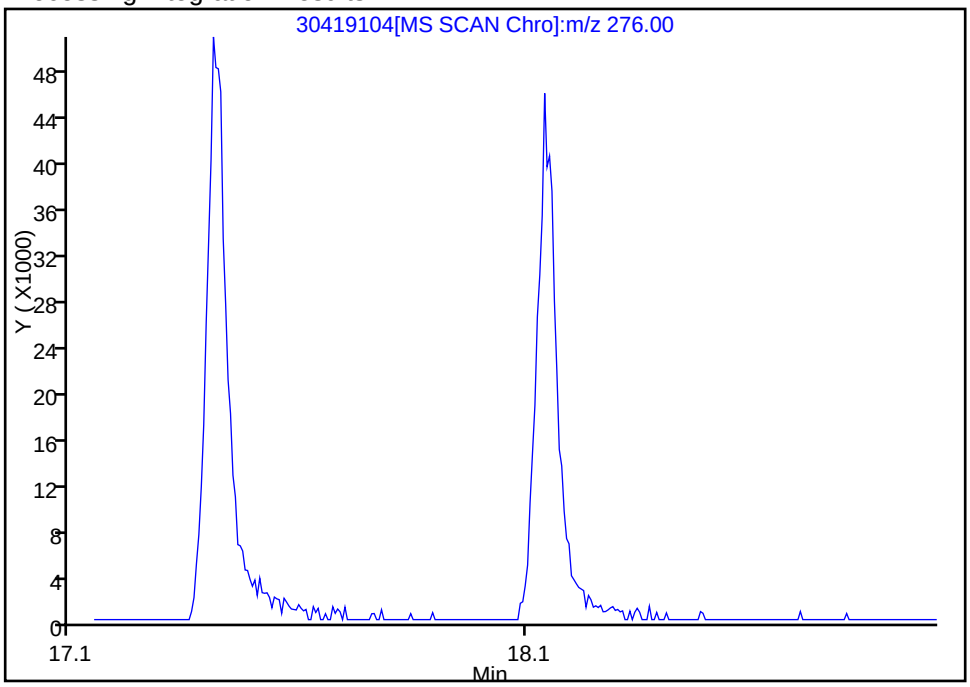
TestAmerica Canton

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

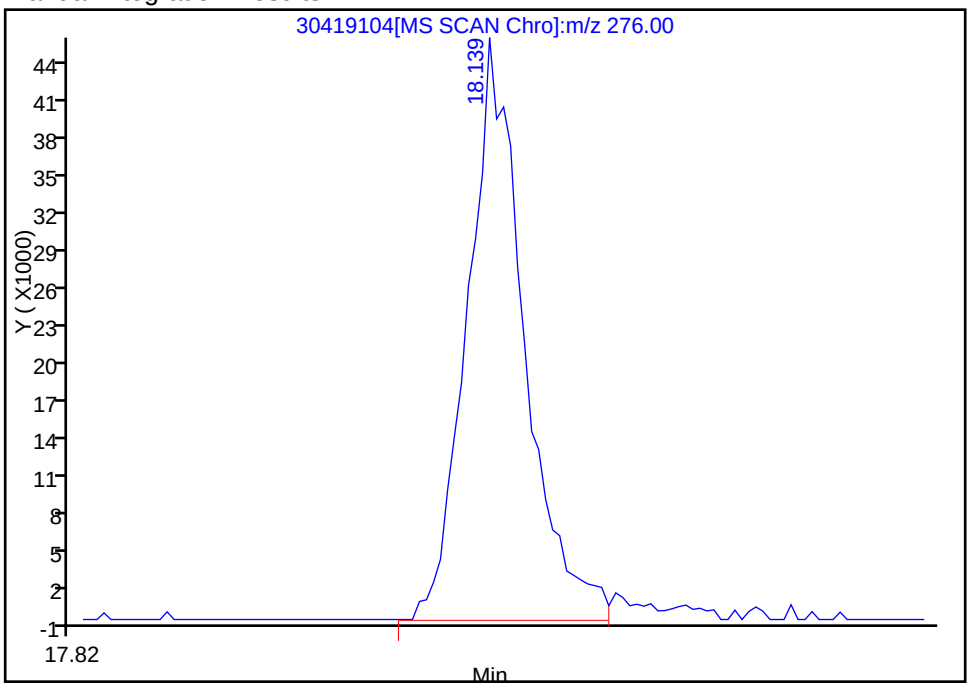
Processing Integration Results

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

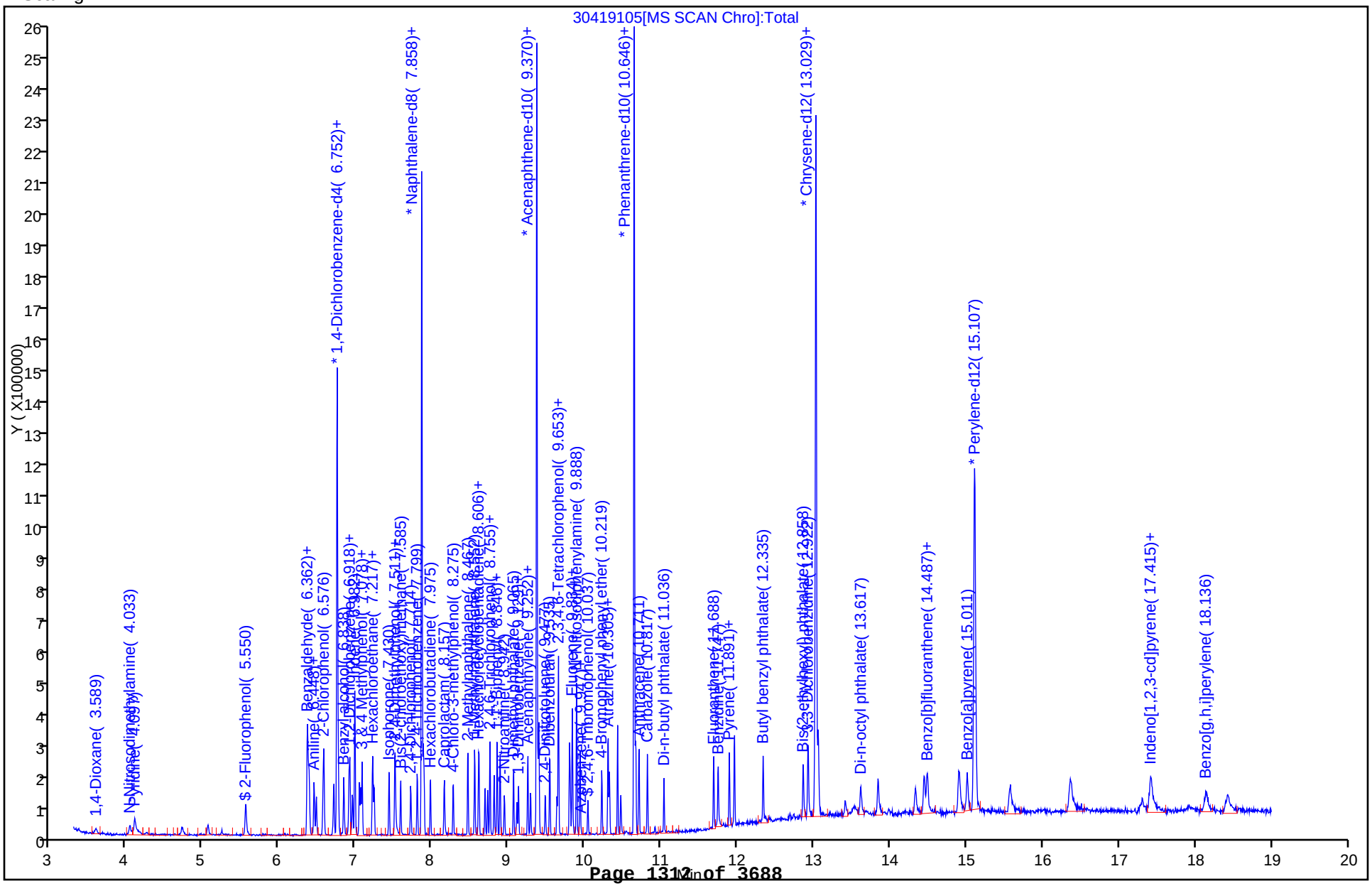
Report Date: 19-Apr-2013 15:20:15 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

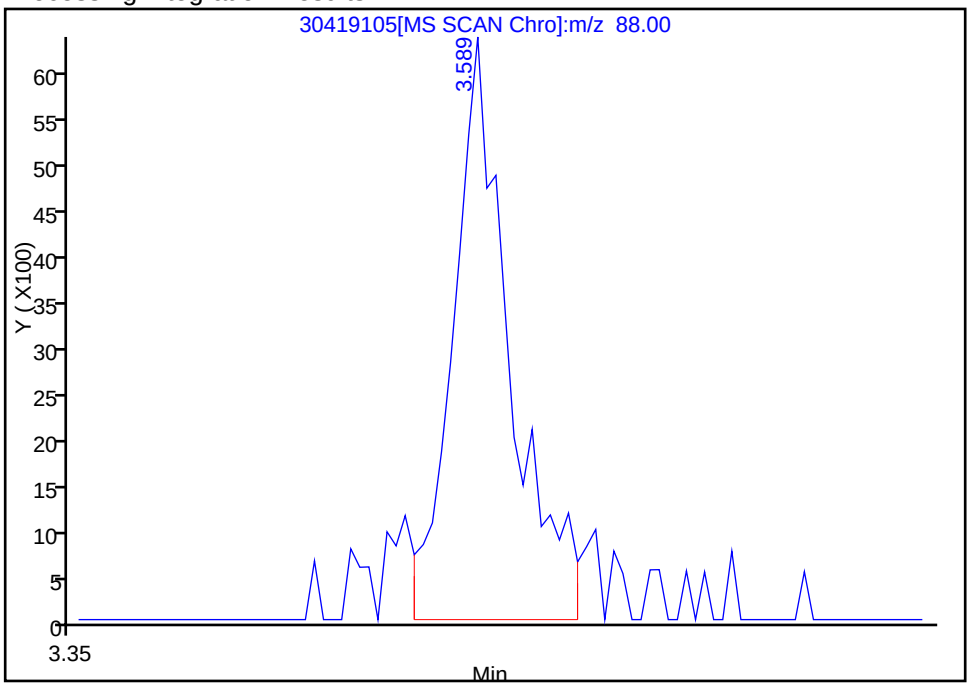
TestAmerica Canton

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

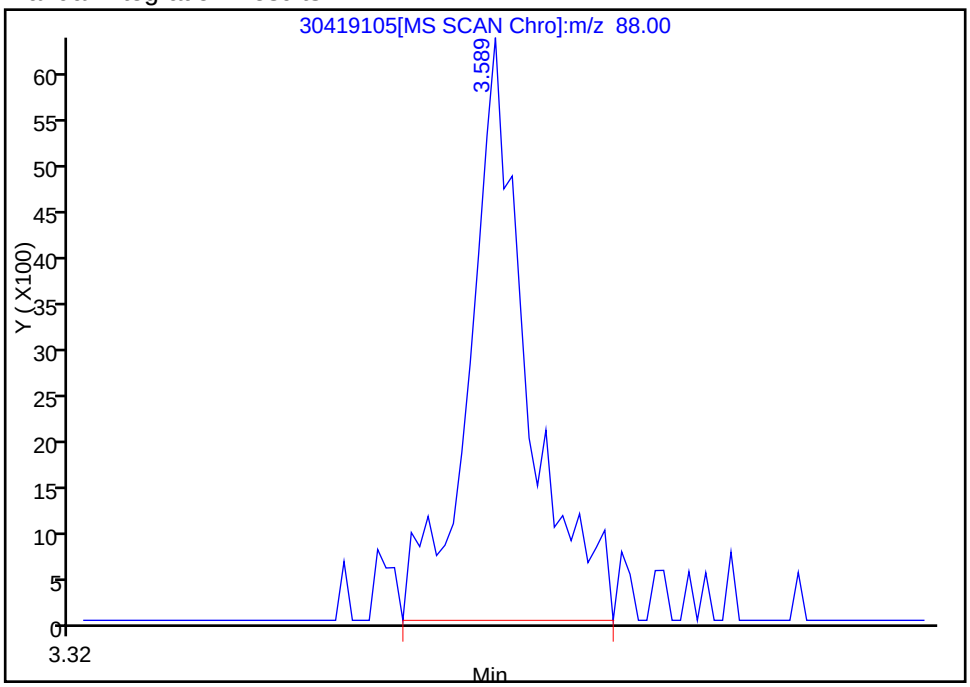
Processing Integration Results

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

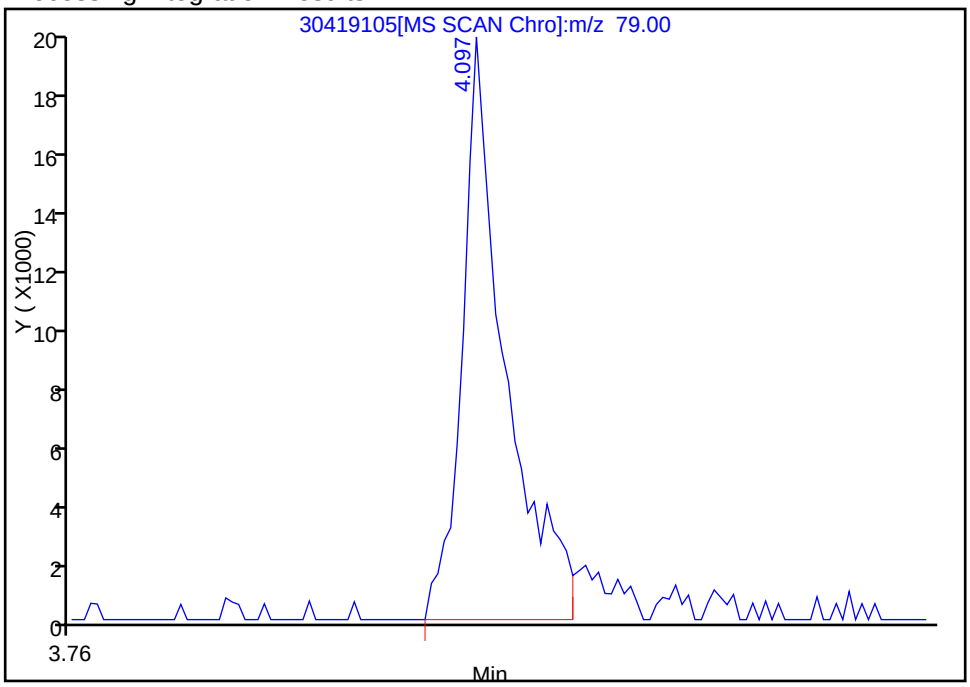
TestAmerica Canton

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

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 4.09

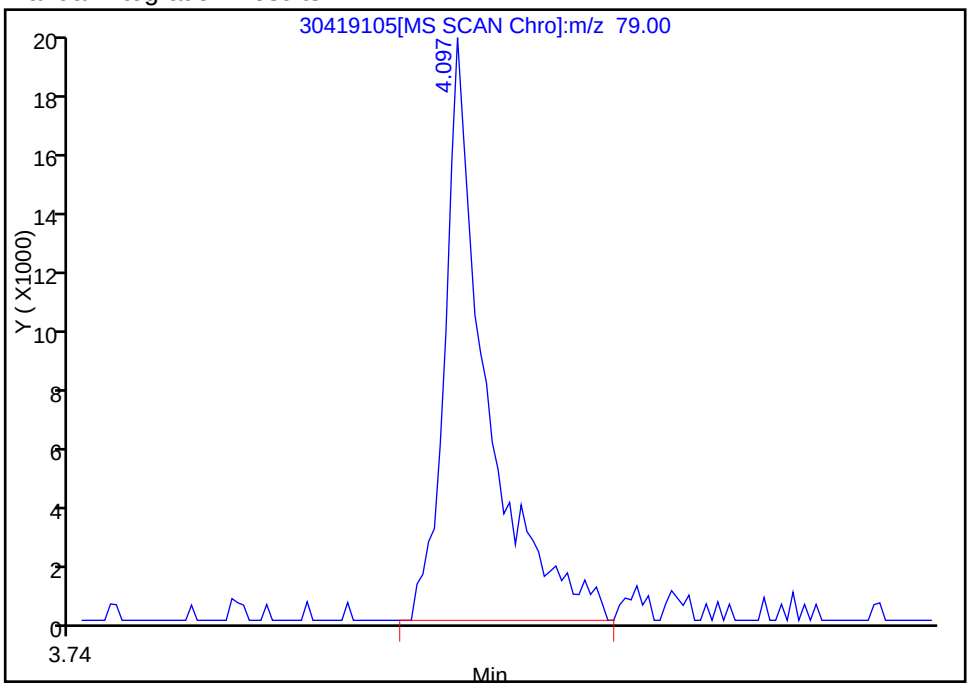
Processing Integration Results

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

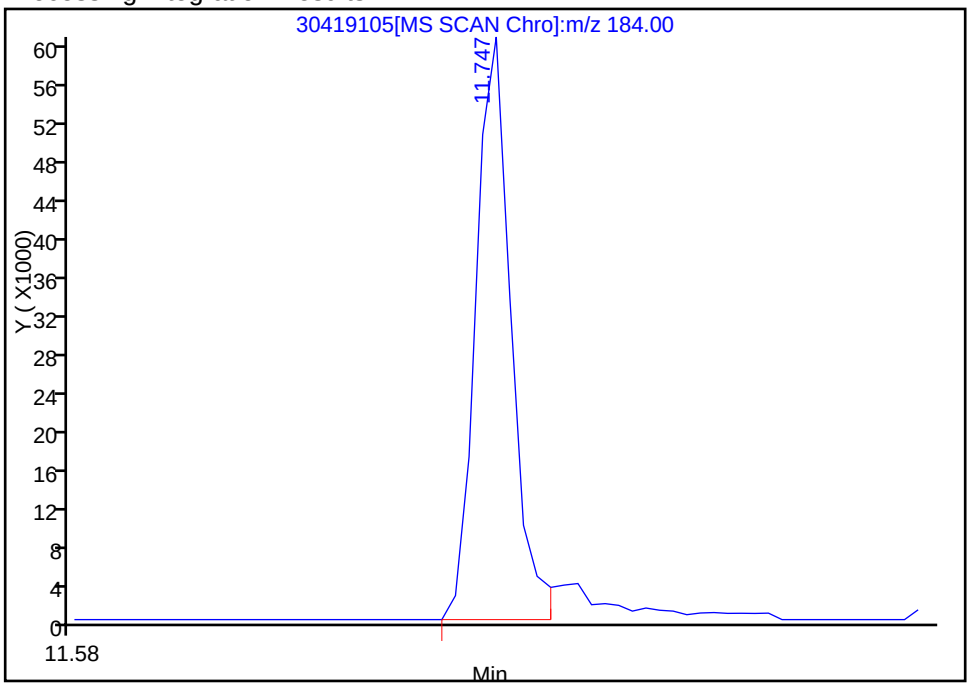
TestAmerica Canton

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

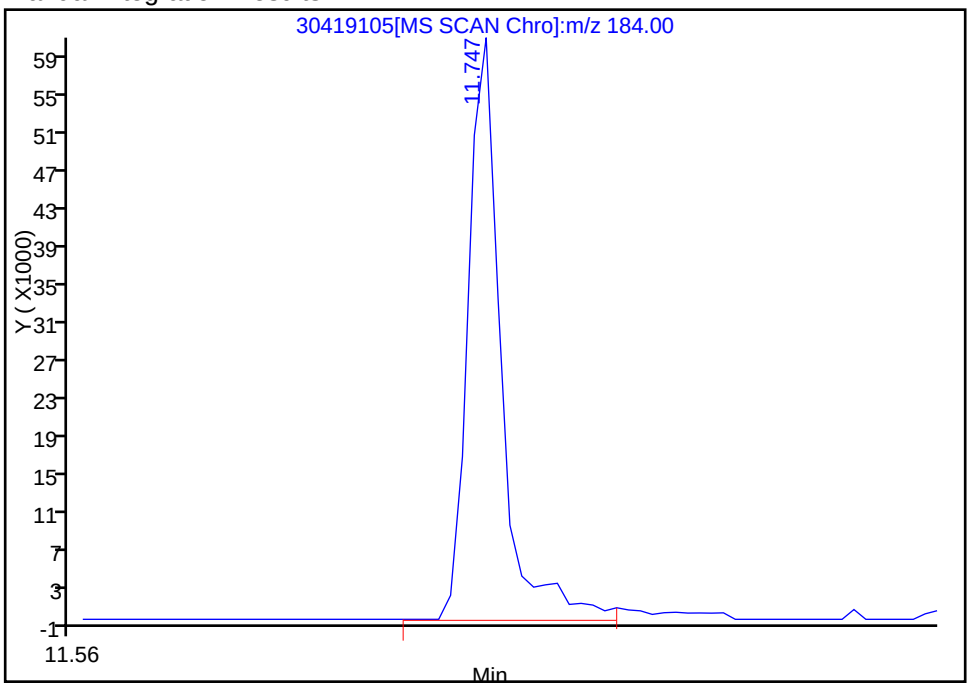
Processing Integration Results

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

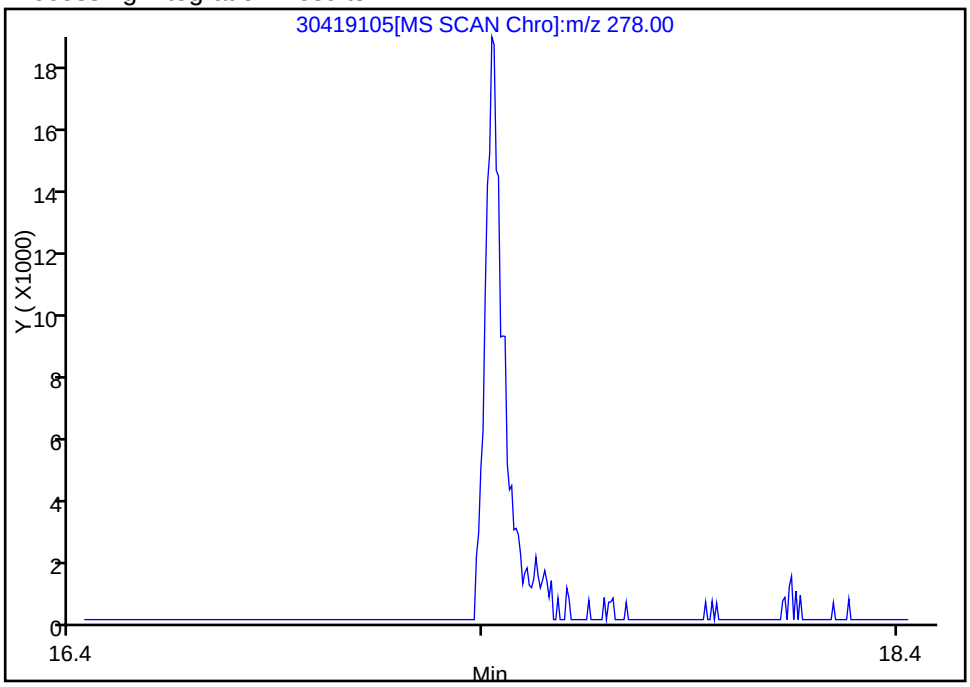
TestAmerica Canton

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

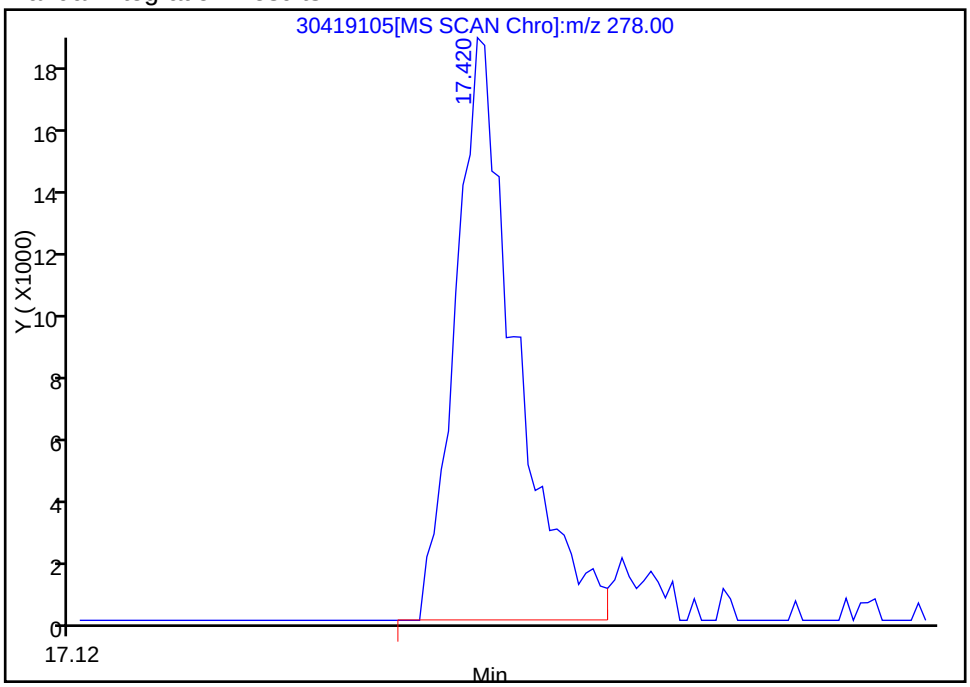
Processing Integration Results

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

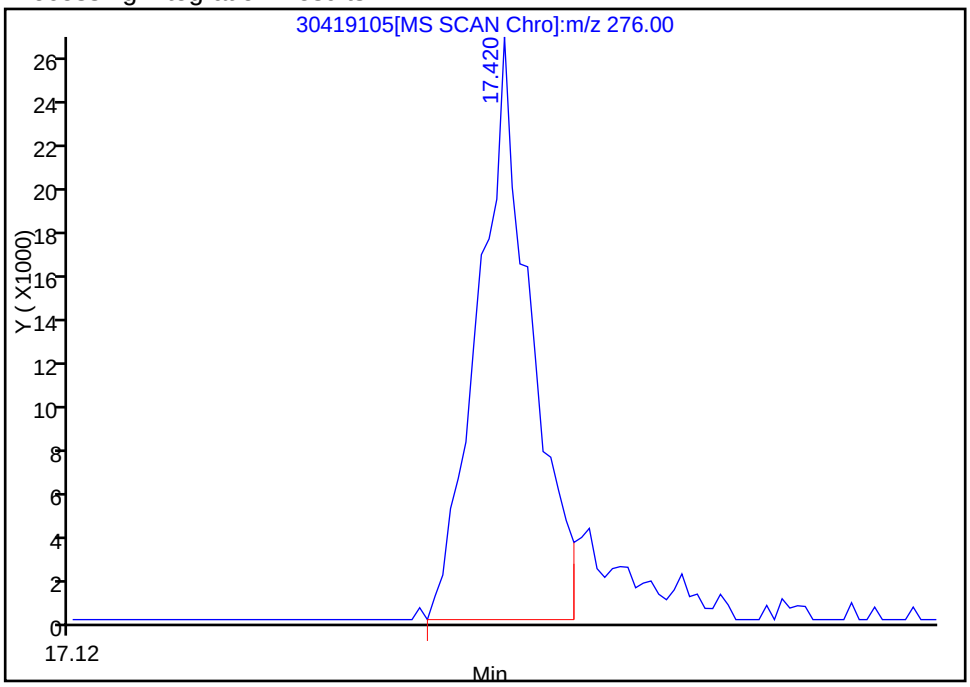
TestAmerica Canton

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

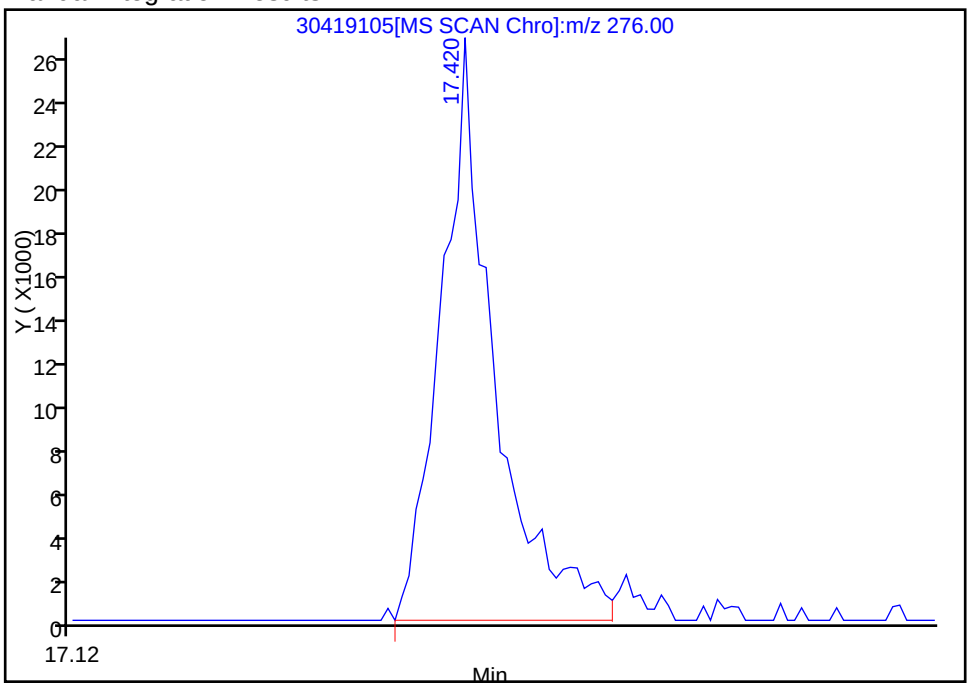
Processing Integration Results

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

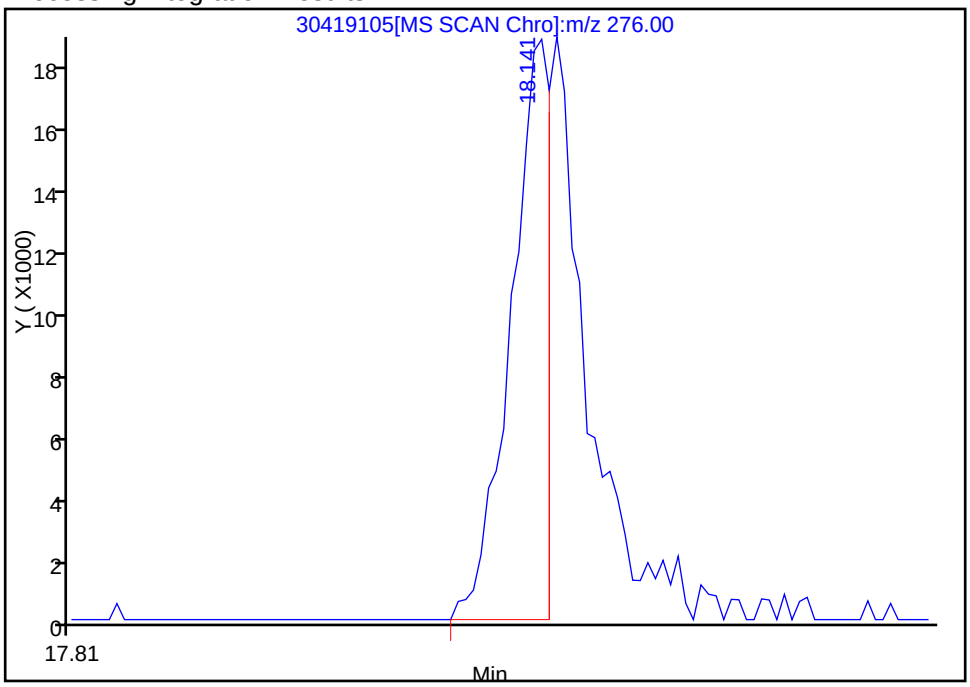
TestAmerica Canton

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

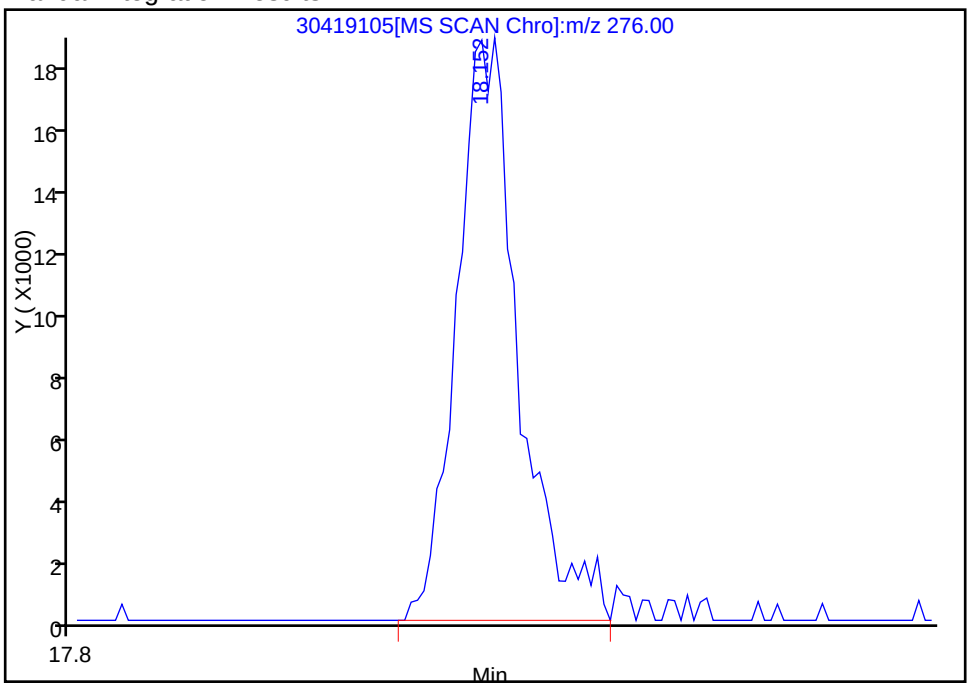
Processing Integration Results

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

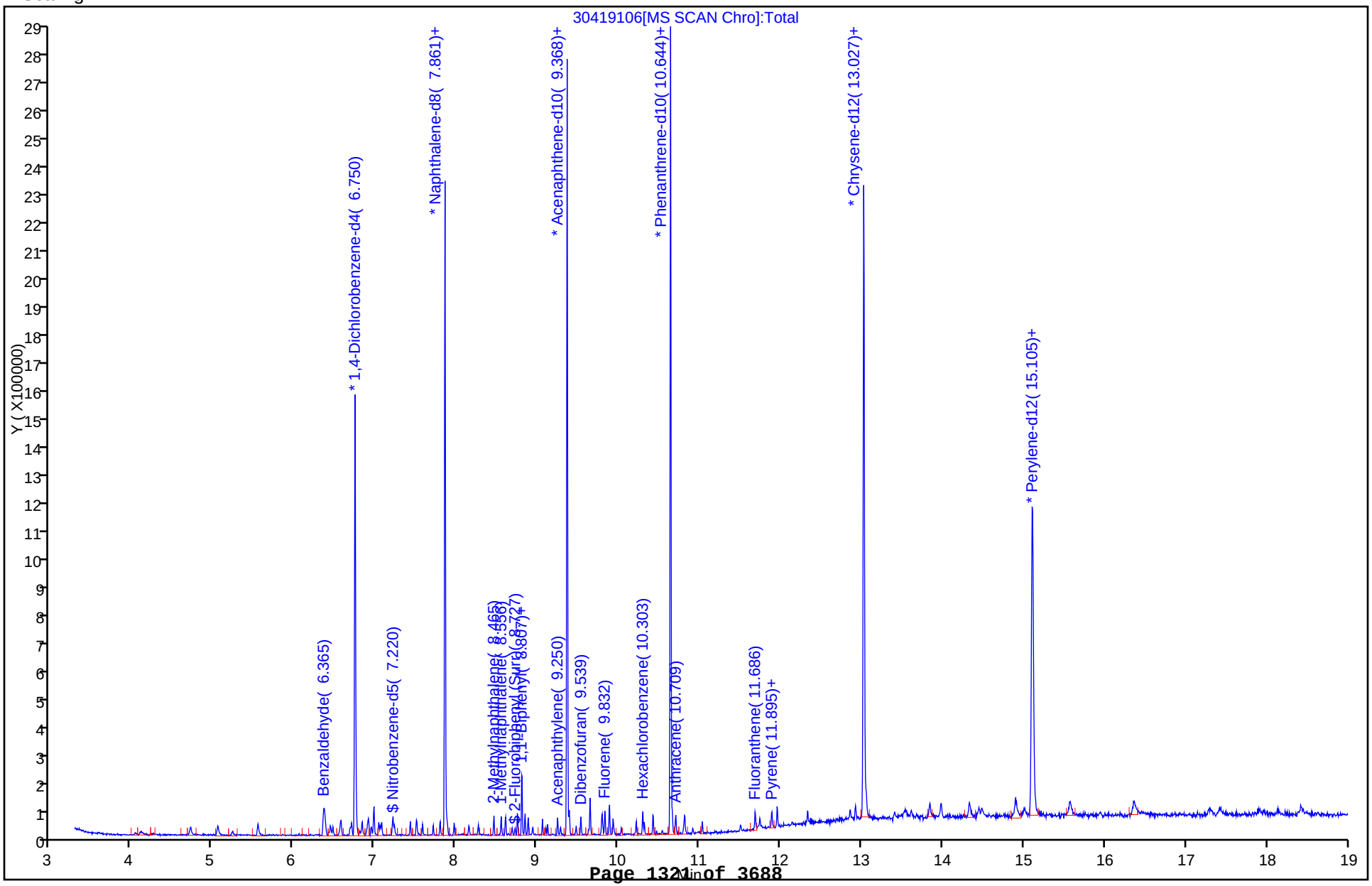
Review Flags
M - Manually Integrated

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

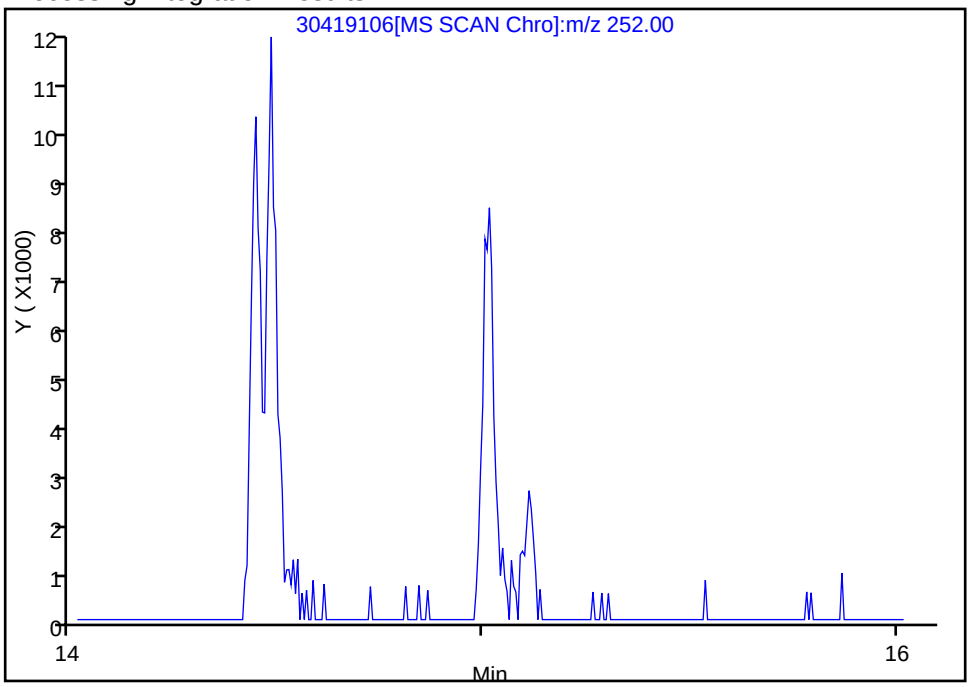
TestAmerica Canton

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

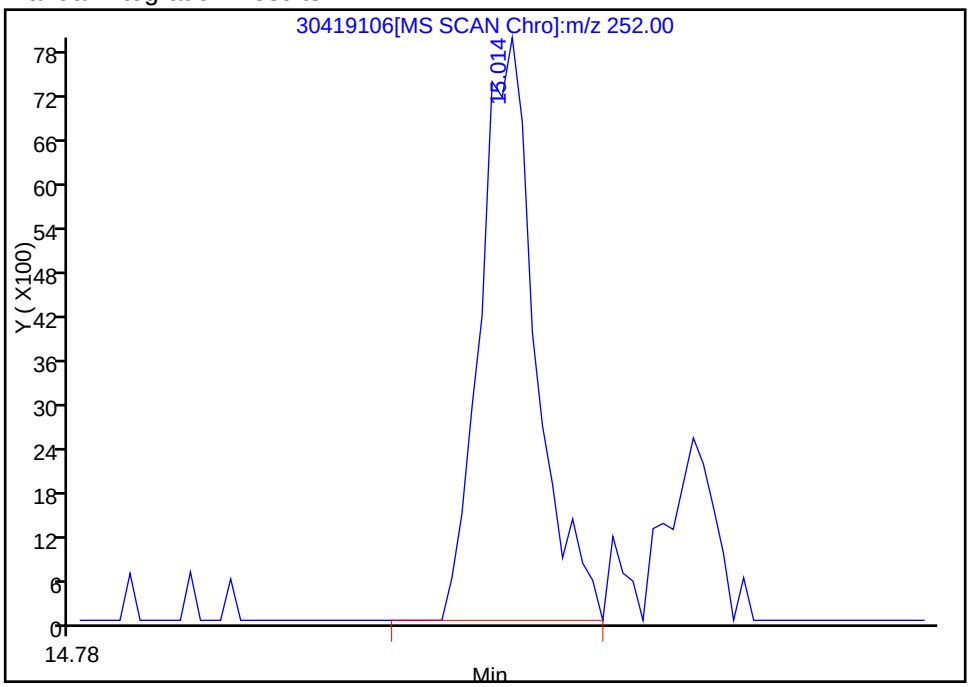
Processing Integration Results

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

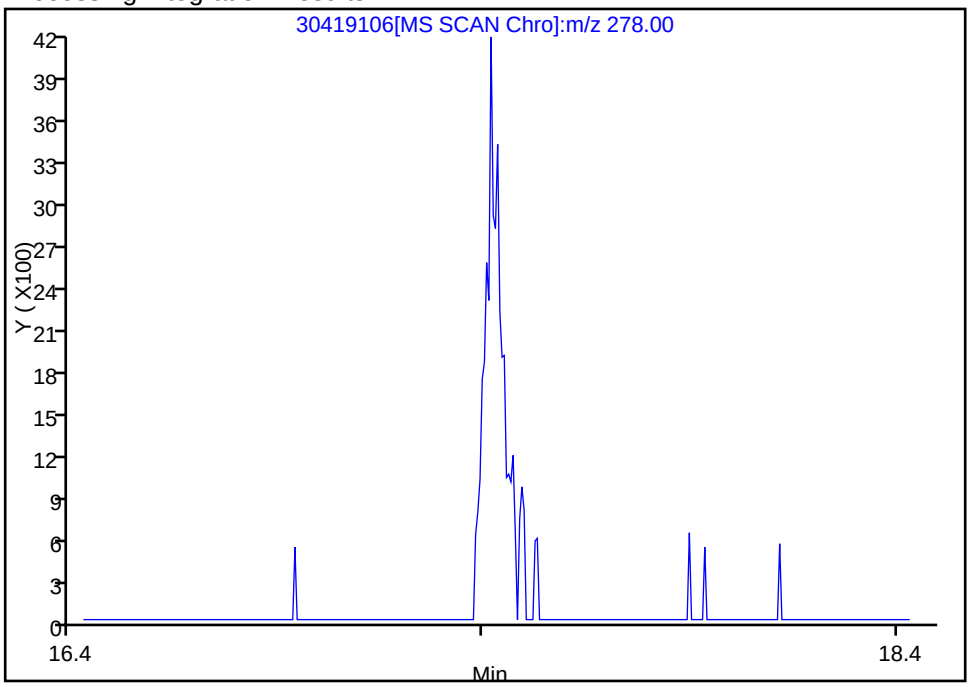
TestAmerica Canton

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

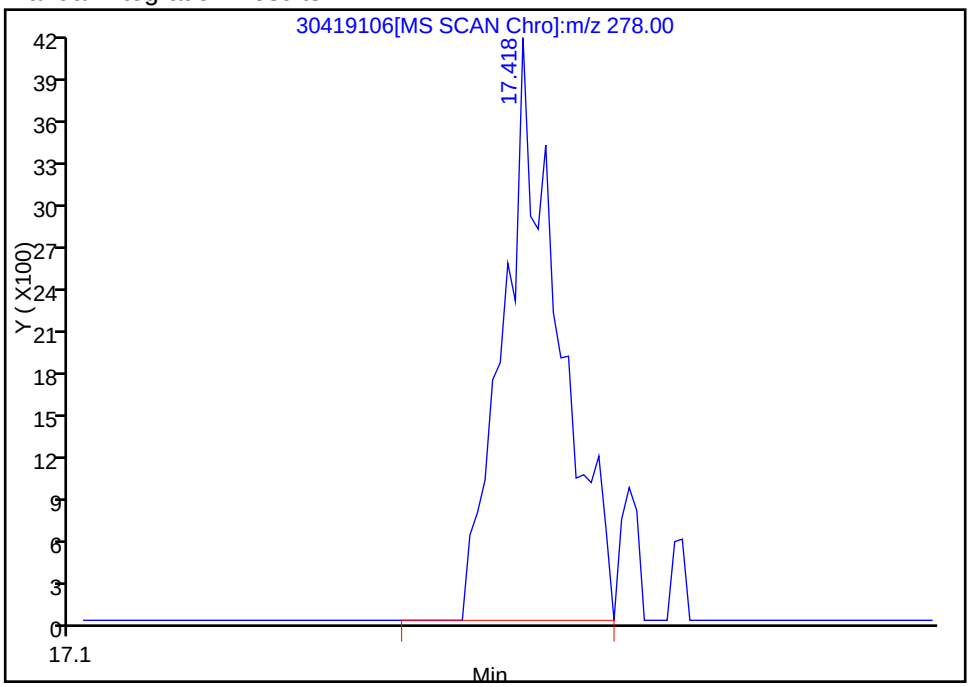
Processing Integration Results

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

Report Date: 19-Apr-2013 15:20:16 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

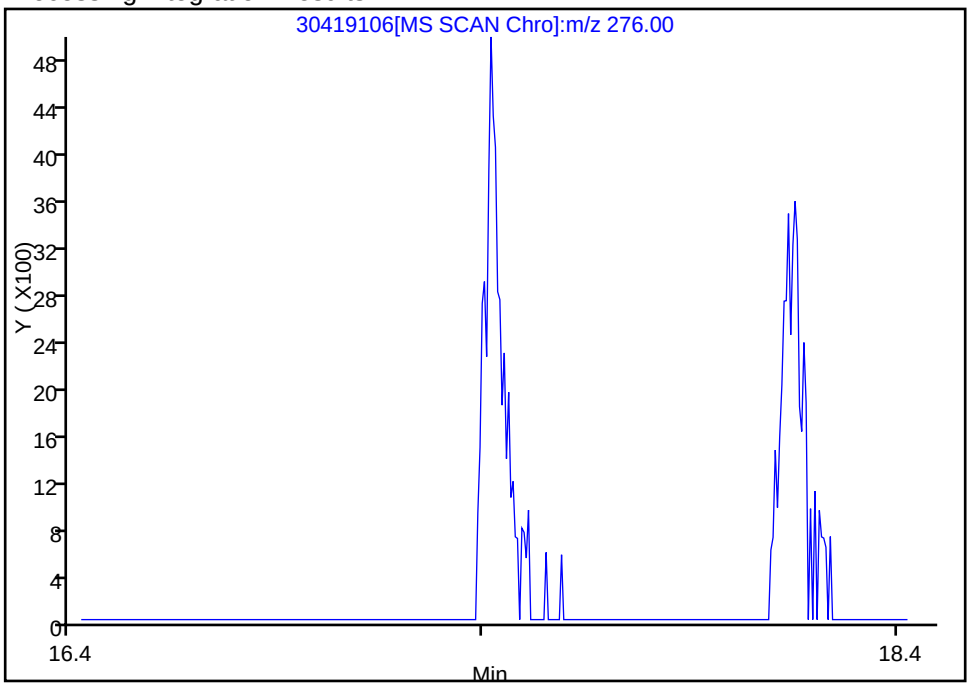
TestAmerica Canton

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

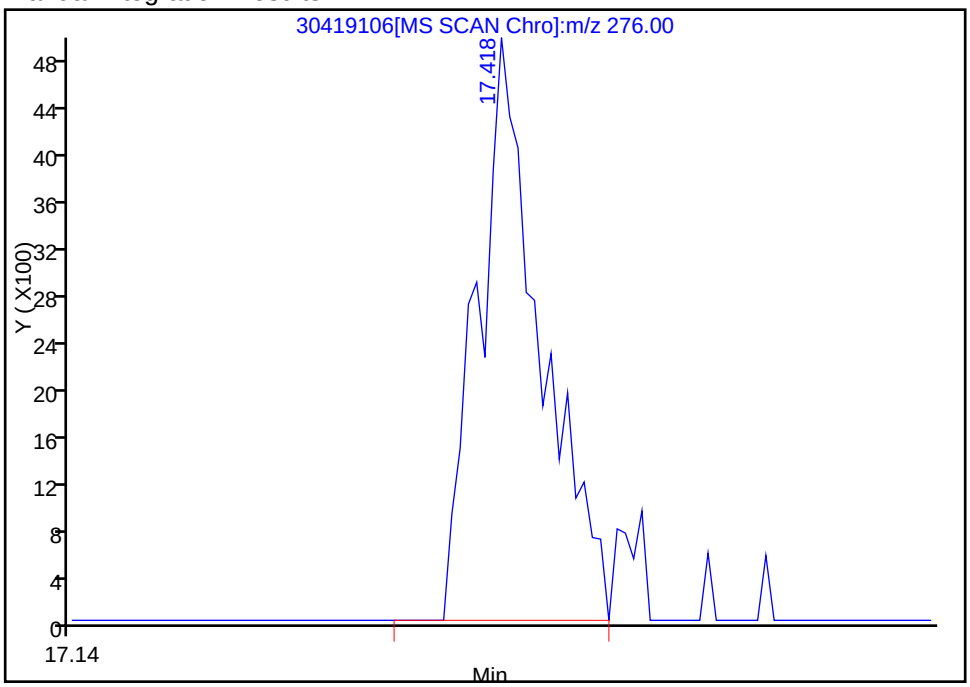
Processing Integration Results

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

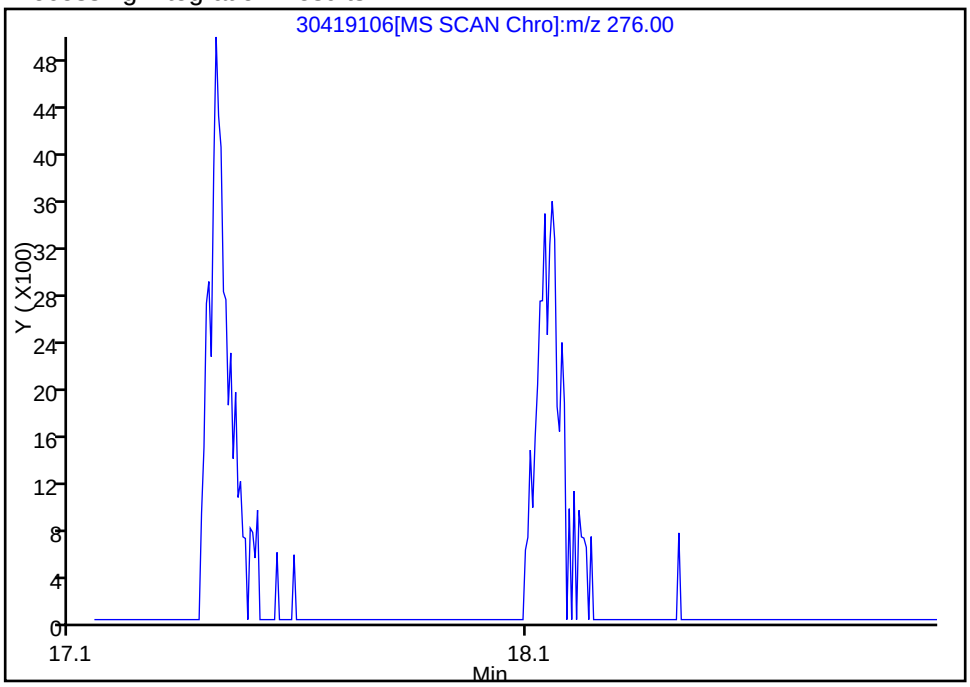
TestAmerica Canton

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

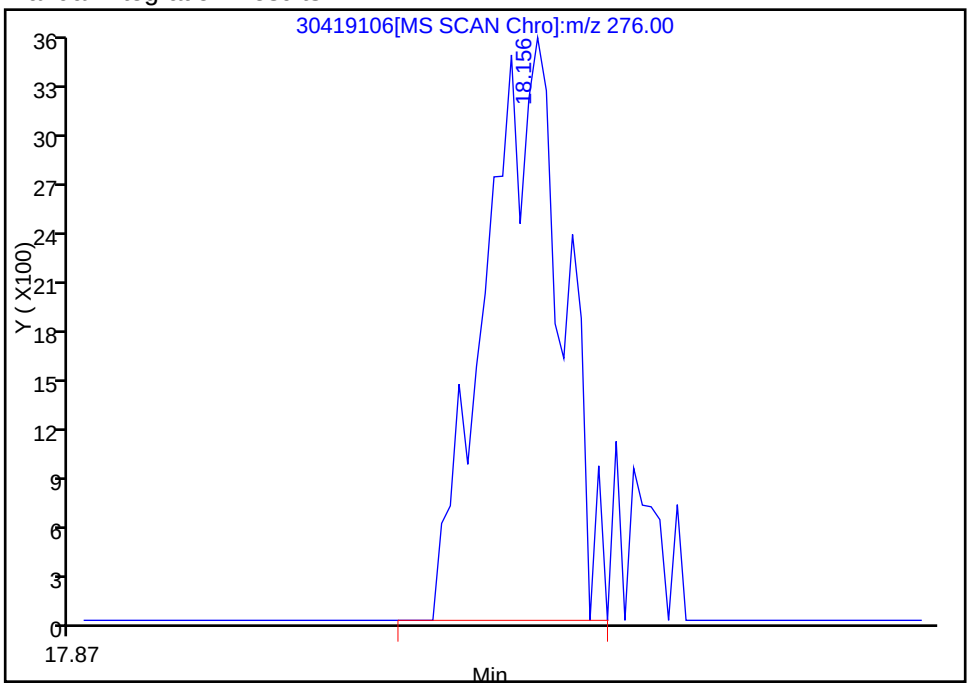
Not Detected
Expected RT: 18.15

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

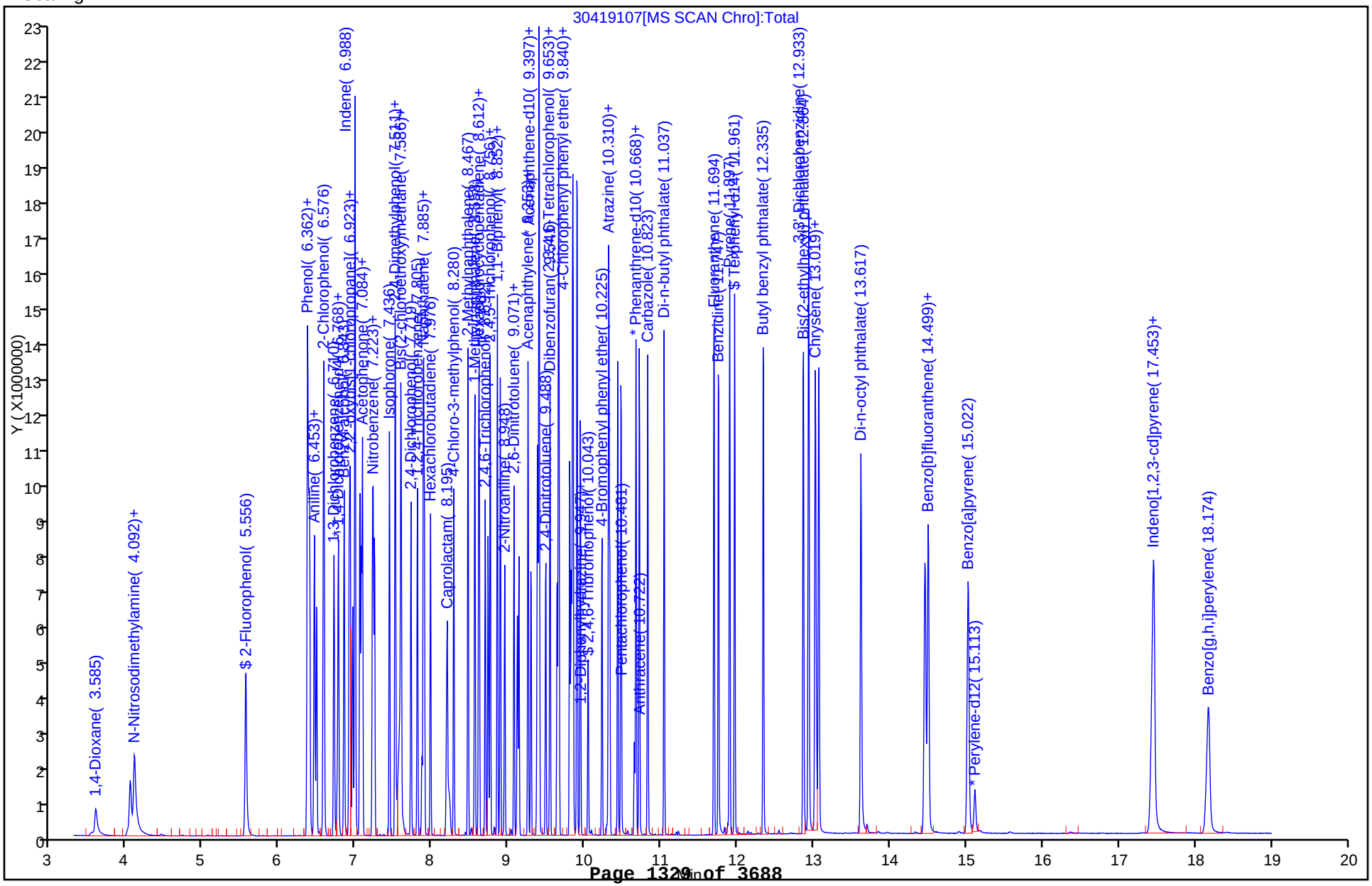
Report Date: 19-Apr-2013 15:36:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

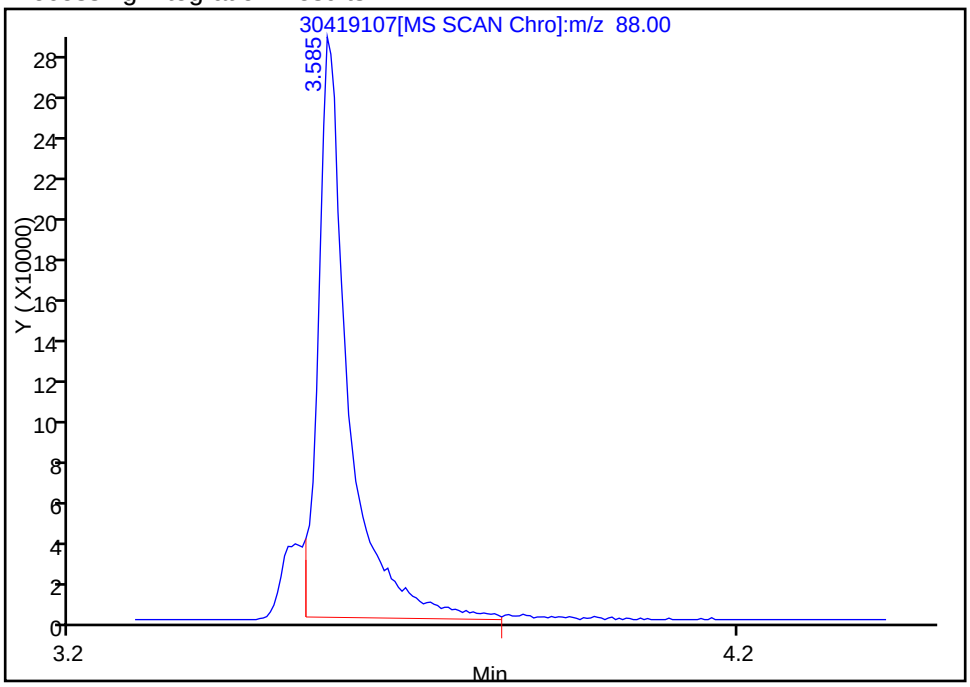
TestAmerica Canton

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

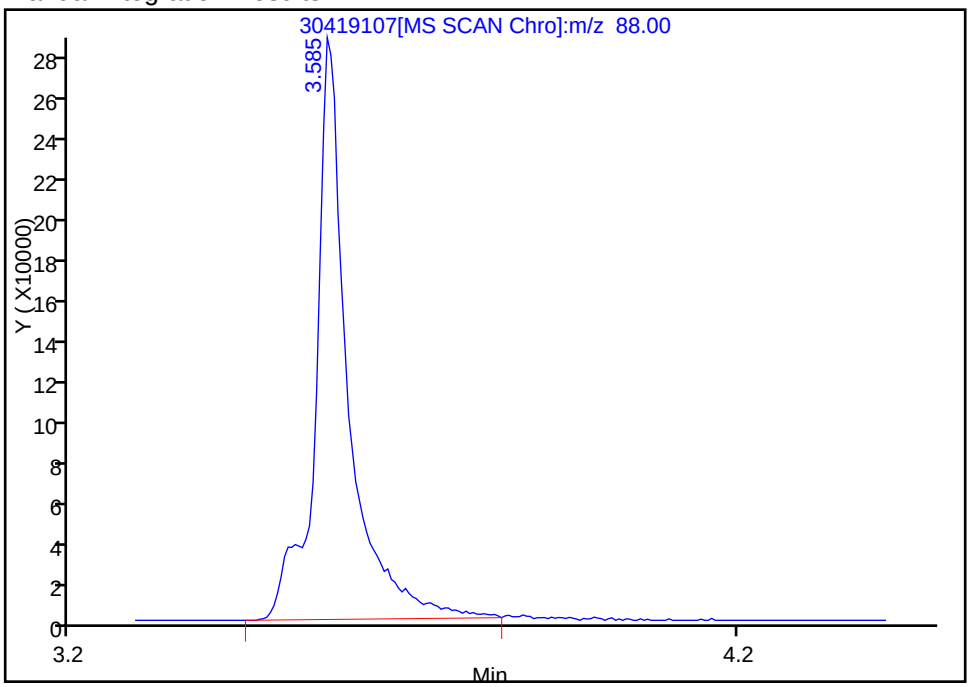
Processing Integration Results

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

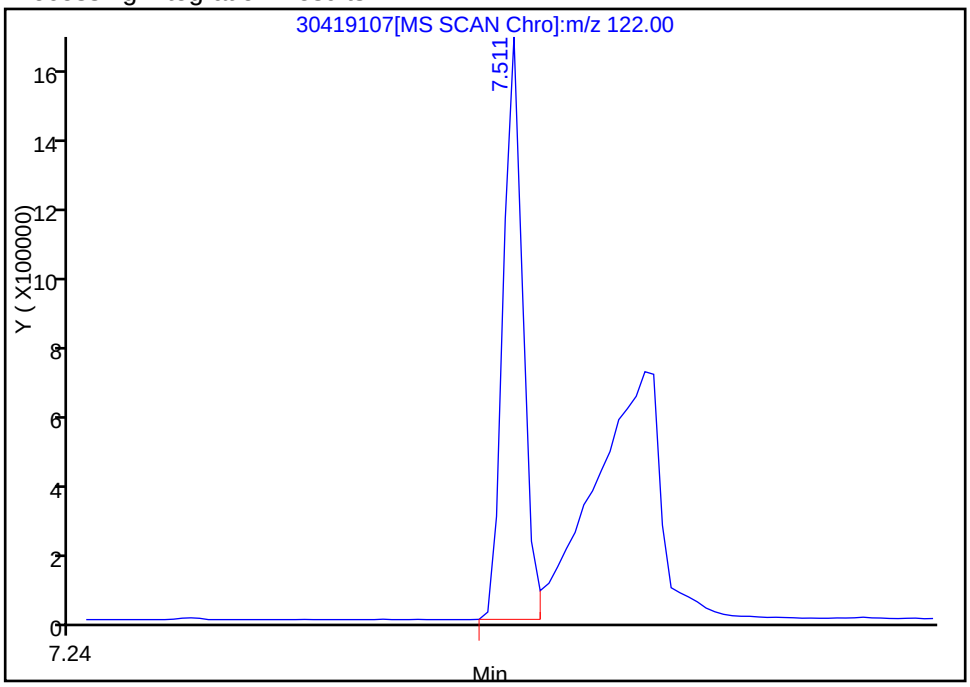
TestAmerica Canton

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

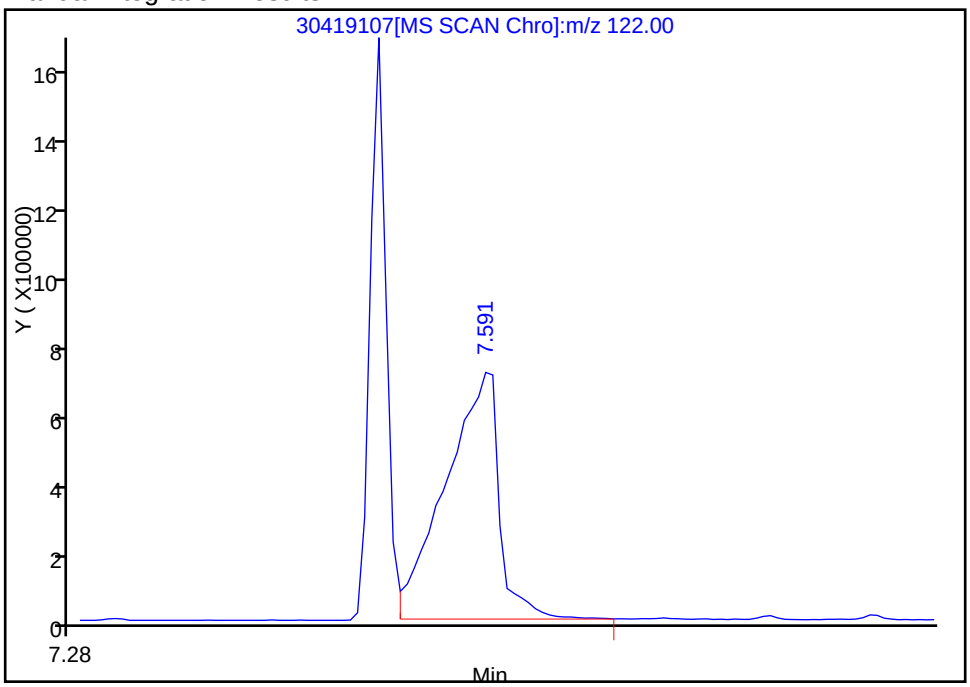
Processing Integration Results

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

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

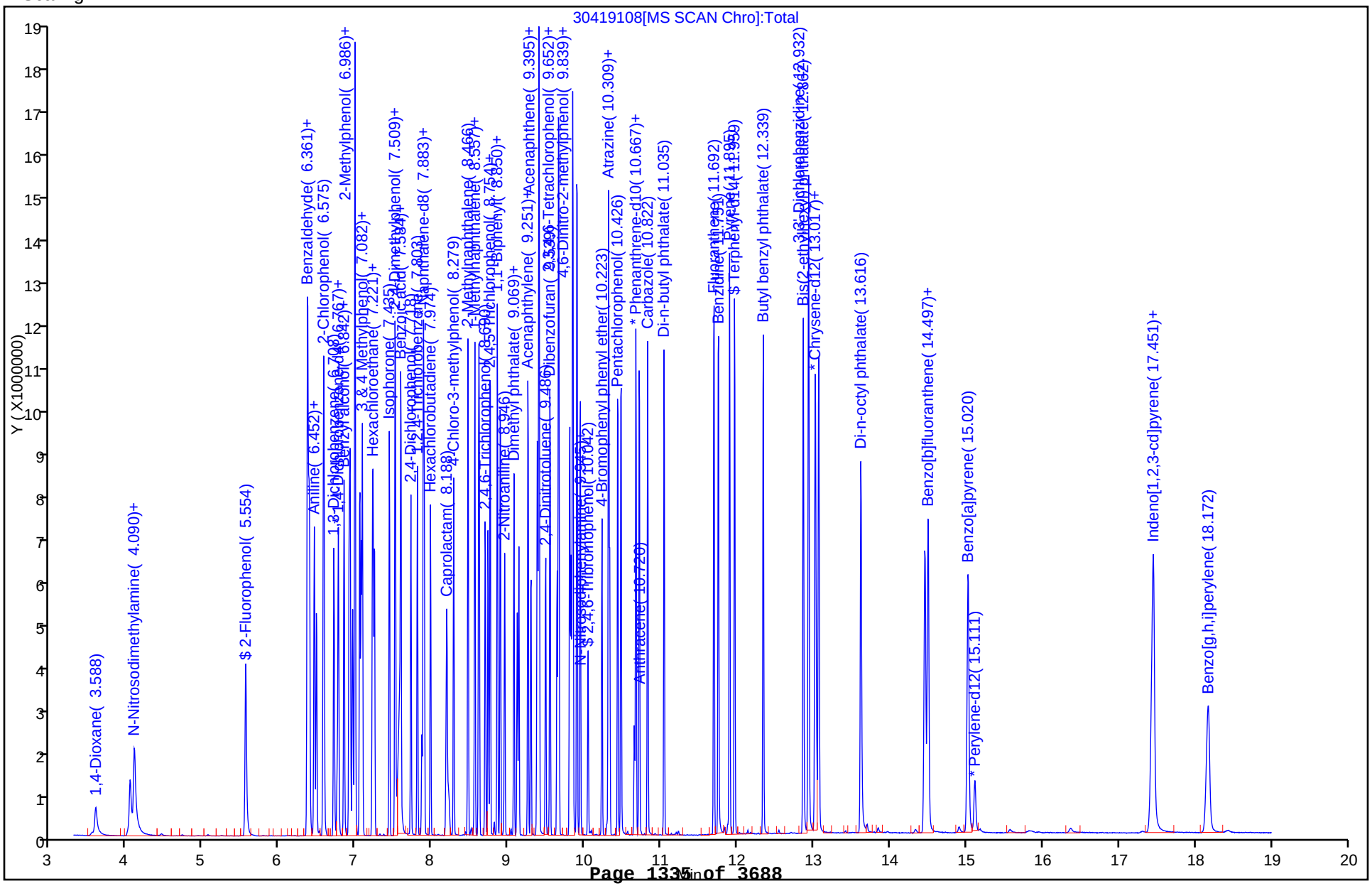
Report Date: 19-Apr-2013 15:20:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

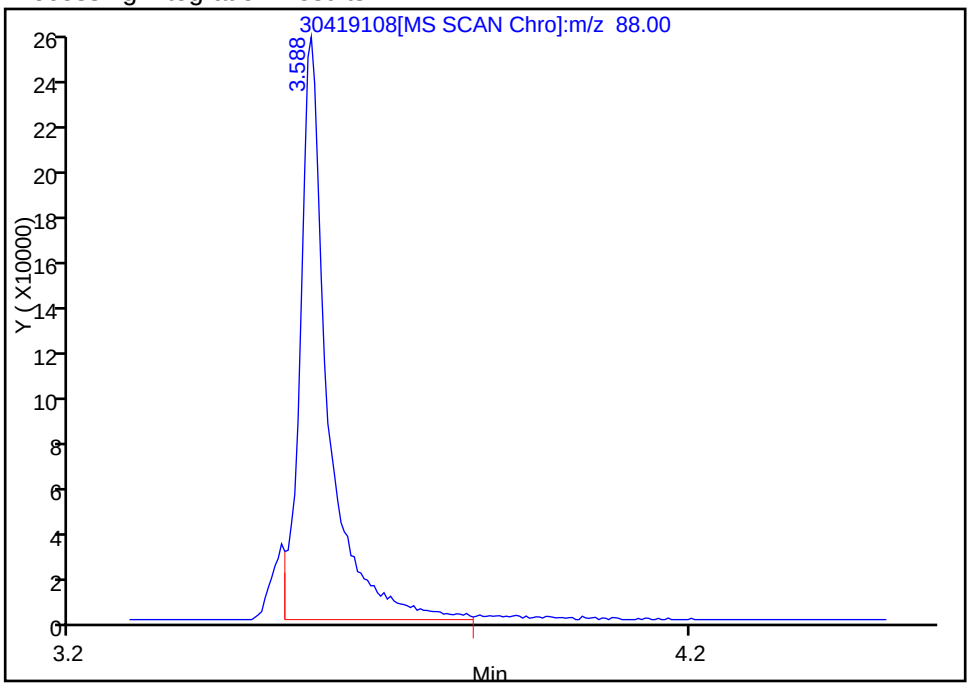
TestAmerica Canton

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

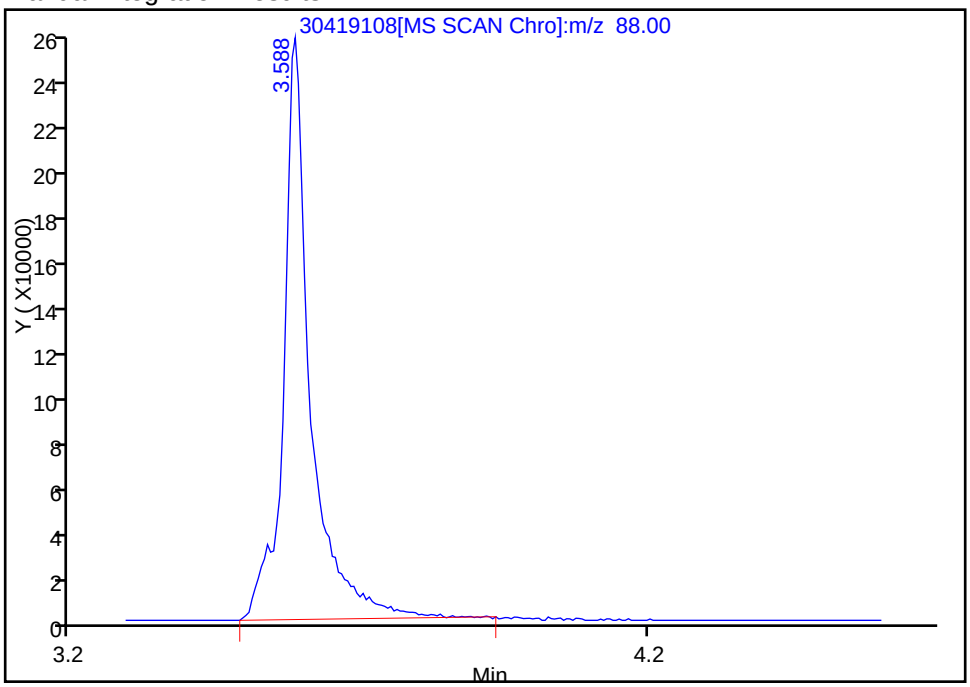
Processing Integration Results

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

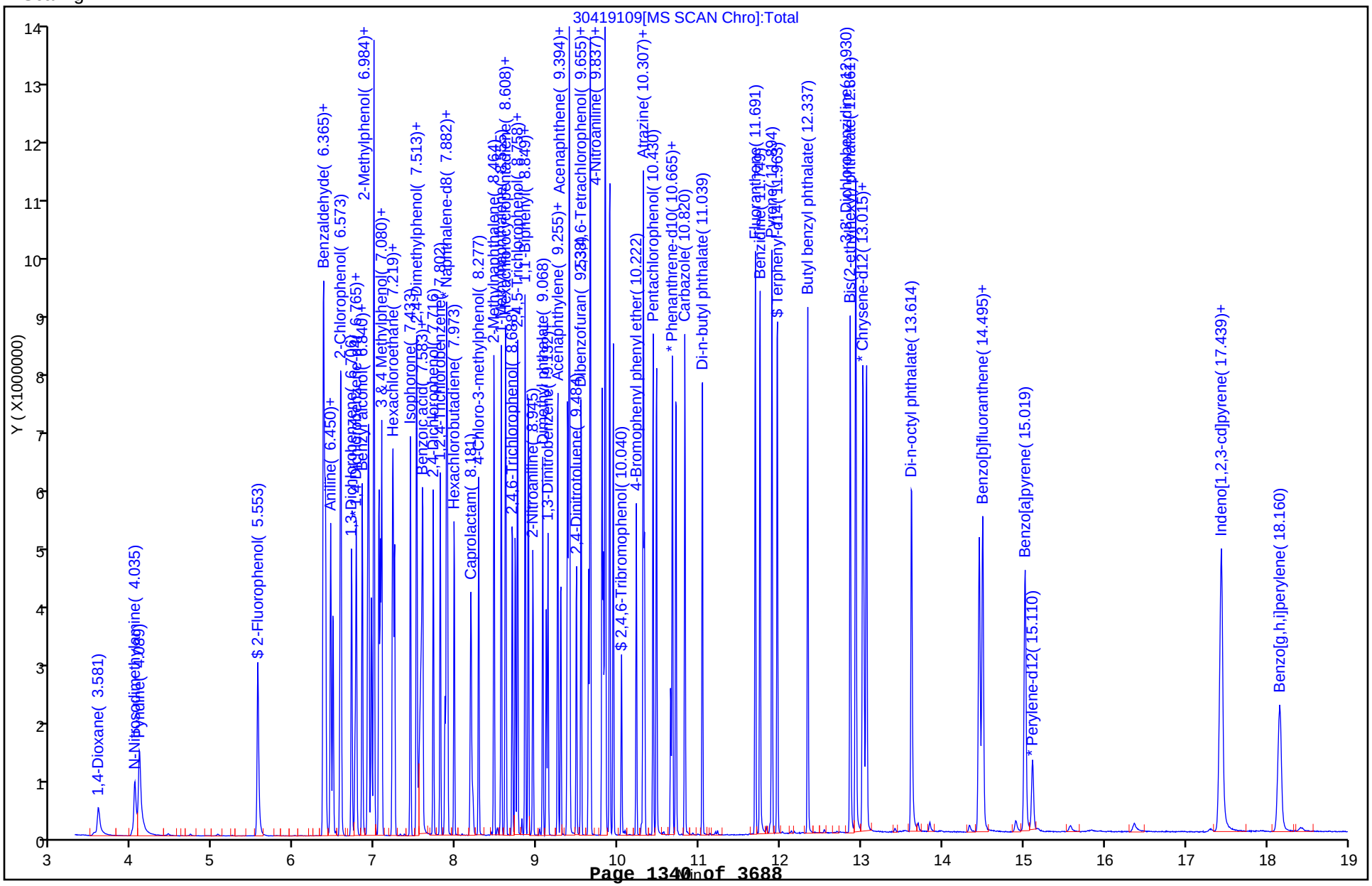
Report Date: 19-Apr-2013 15:20:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

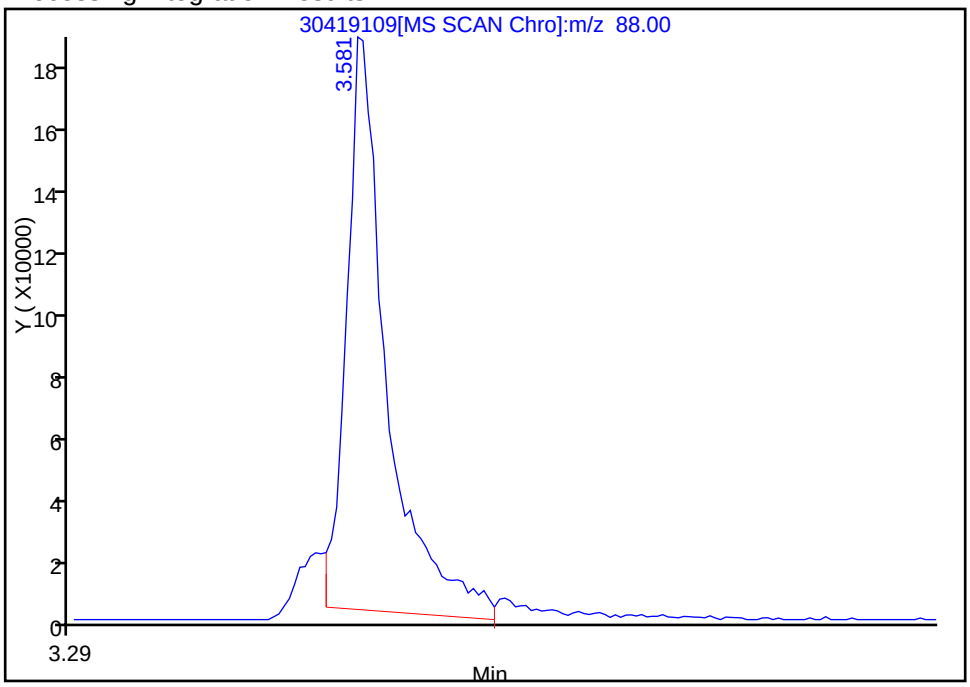
TestAmerica Canton

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

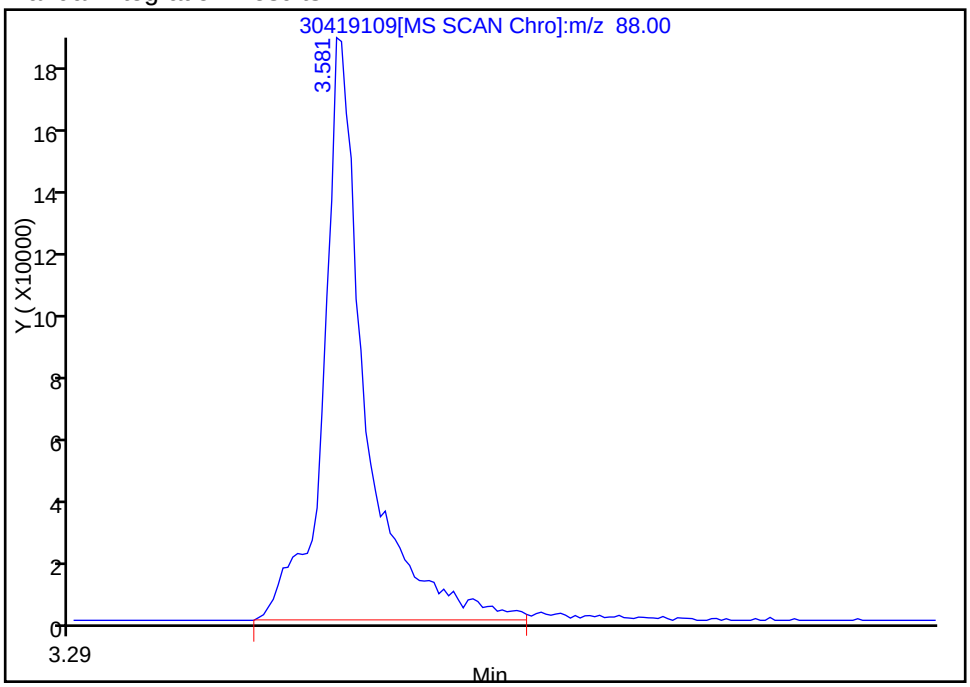
Processing Integration Results

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

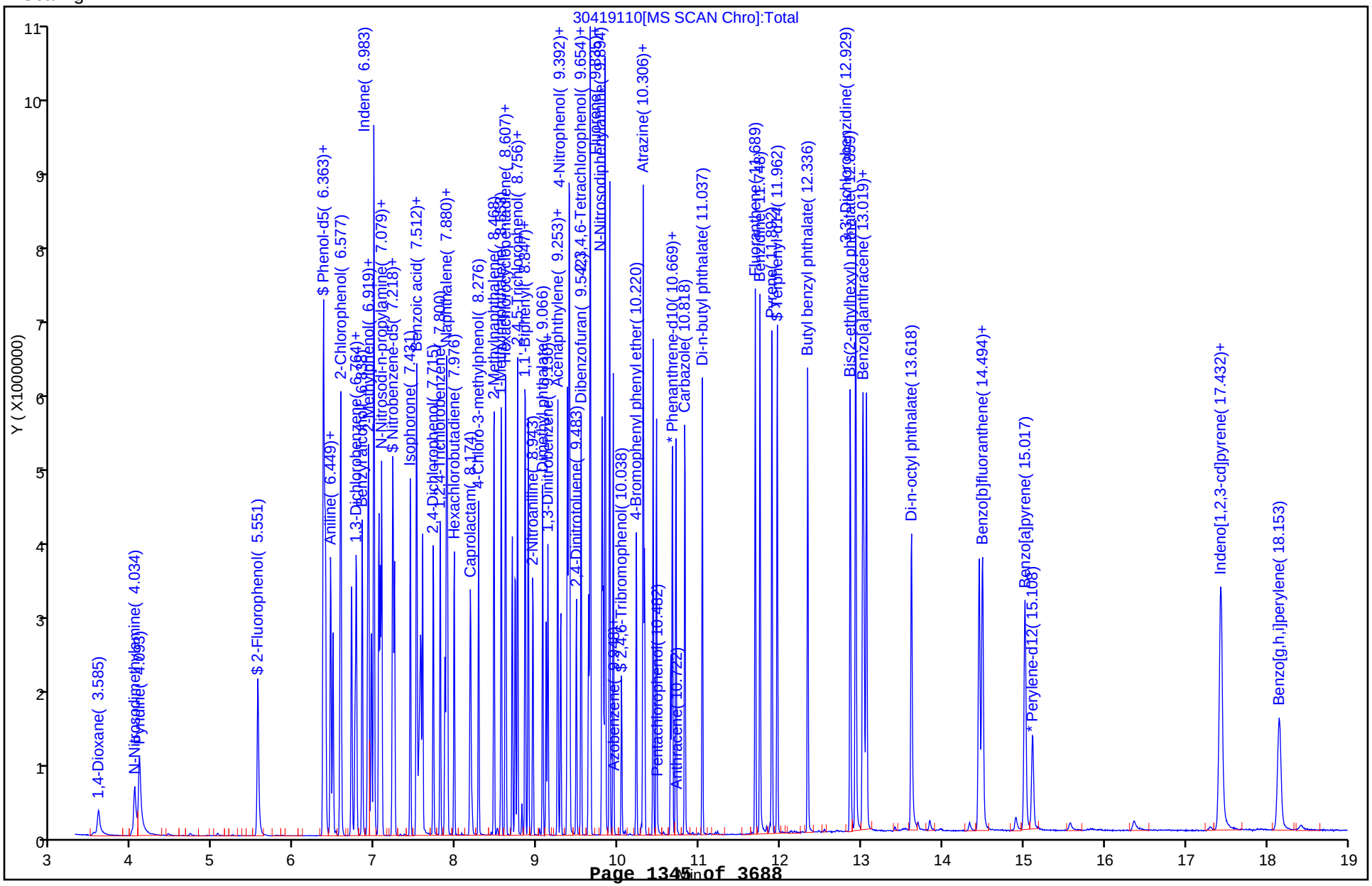
Report Date: 21-Apr-2013 09:47:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

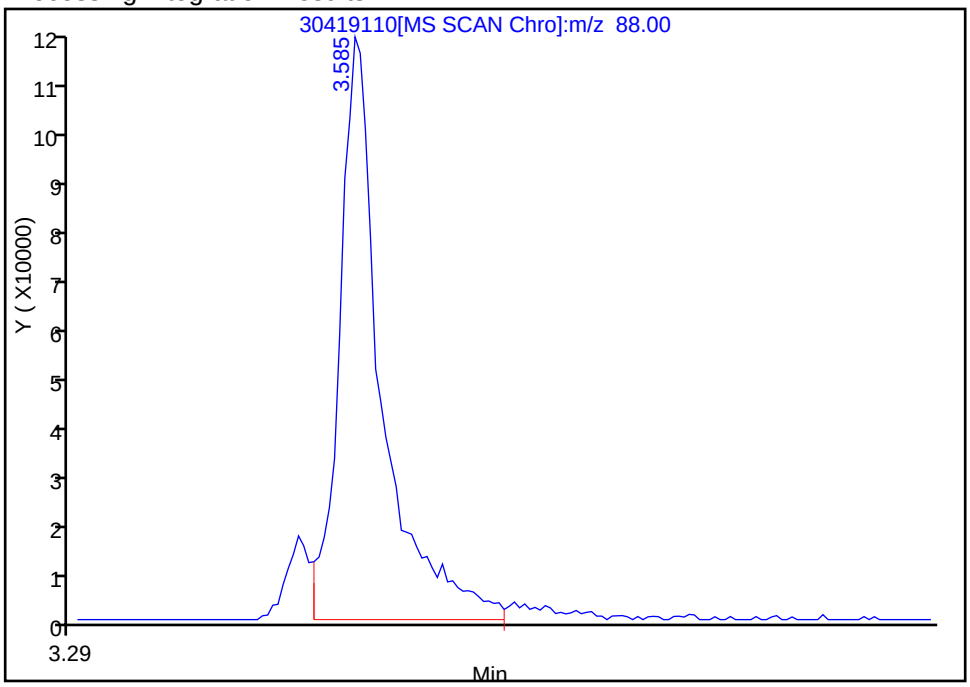
TestAmerica Canton

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

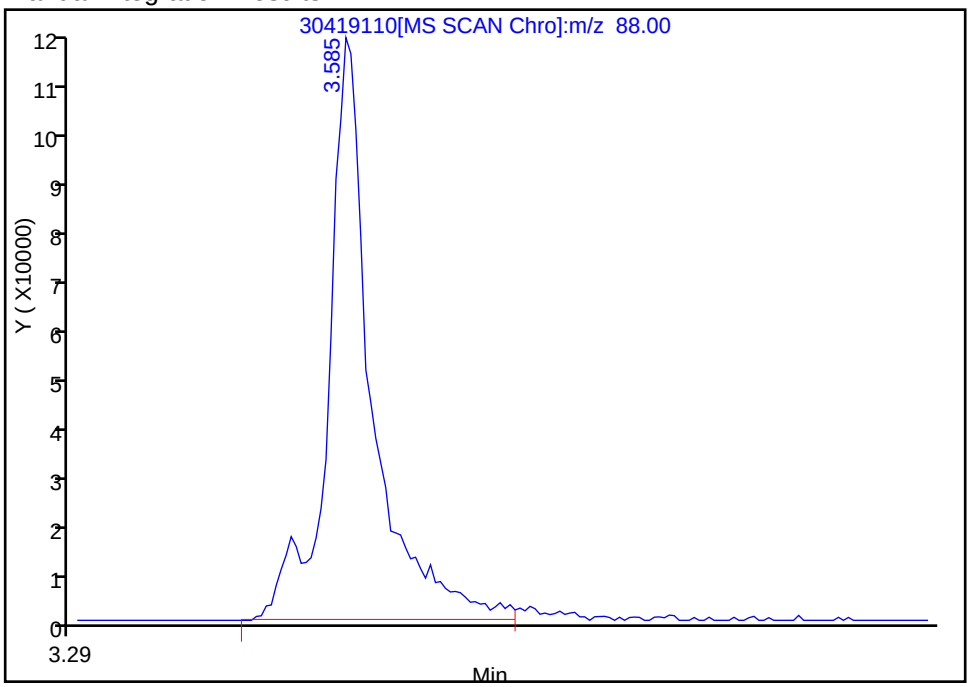
Processing Integration Results

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.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81609/11 Calibration Date: 04/11/2013 21:43

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30411011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.5593	0.0500	10.2	10.0	1.8	20.0
N-Nitrosodimethylamine	Ave	0.6668	0.7036	0.0500	10.6	10.0	5.5	20.0
Pyridine	Ave	1.237	1.378	0.0500	11.1	10.0	11.4	20.0
Benzaldehyde	Ave	1.088	1.151	0.0500	21.2	20.0	5.8	20.0
Phenol	Ave	1.517	1.647	0.0500	10.9	10.0	8.6	20.0
Aniline	Ave	1.869	2.013	0.0500	10.8	10.0	7.7	20.0
Bis(2-chloroethyl)ether	Ave	1.174	1.246	0.0500	10.6	10.0	6.1	20.0
2-Chlorophenol	Ave	1.223	1.305	0.0500	10.7	10.0	6.7	20.0
1,3-Dichlorobenzene	Ave	1.322	1.426	0.0500	10.8	10.0	7.8	20.0
1,4-Dichlorobenzene	Ave	1.349	1.476	0.0500	10.9	10.0	9.4	20.0
Benzyl alcohol	Ave	0.7768	0.8665	0.0500	11.2	10.0	11.6	20.0
1,2-Dichlorobenzene	Ave	1.287	1.390	0.0500	10.8	10.0	8.0	20.0
2-Methylphenol	Ave	1.105	1.225	0.0500	11.1	10.0	10.9	20.0
bis (2-chloroisopropyl) ether	Ave	1.795	2.305	0.0500	9.25	7.20	28.4*	20.0
3 & 4 Methylphenol	Ave	1.151	1.289	0.0500	11.2	10.0	12.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8241	0.8916	0.0500	10.8	10.0	8.2	20.0
Acetophenone	Ave	1.716	1.861	0.0500	10.8	10.0	8.5	20.0
Hexachloroethane	Ave	0.5215	0.5613	0.0500	10.8	10.0	7.6	20.0
Nitrobenzene	Ave	0.3401	0.3689	0.0500	10.8	10.0	8.5	20.0
Isophorone	Ave	0.6103	0.6861	0.0500	11.2	10.0	12.4	20.0
2-Nitrophenol	Ave	0.1624	0.1809	0.0500	11.1	10.0	11.4	20.0
2,4-Dimethylphenol	Ave	0.3114	0.3269	0.0500	10.5	10.0	5.0	20.0
Benzoic acid	Qua		0.2115	0.0500	23.2	20.0	15.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.3595	0.3816	0.0500	10.6	10.0	6.2	20.0
2,4-Dichlorophenol	Ave	0.2560	0.2820	0.0500	11.0	10.0	10.1	20.0
1,2,4-Trichlorobenzene	Ave	0.2998	0.3259	0.0500	10.9	10.0	8.7	20.0
Naphthalene	Ave	0.9279	1.002	0.0500	10.8	10.0	7.9	20.0
4-Chloroaniline	Ave	0.3867	0.4119	0.0500	10.7	10.0	6.5	20.0
Hexachlorobutadiene	Ave	0.1834	0.1927	0.0500	10.5	10.0	5.1	20.0
Caprolactam	Ave	0.0877	0.0951	0.0500	21.7	20.0	8.4	20.0
4-Chloro-3-methylphenol	Ave	0.2736	0.3035	0.0500	11.1	10.0	11.0	20.0
2-Methylnaphthalene	Ave	0.6242	0.6650	0.0500	10.7	10.0	6.5	20.0
Hexachlorocyclopentadiene	Ave	0.3175	0.3659	0.0500	11.5	10.0	15.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5309	0.5788	0.0500	10.9	10.0	9.0	20.0
2,4,6-Trichlorophenol	Ave	0.3299	0.3734	0.0500	11.3	10.0	13.2	20.0
2,4,5-Trichlorophenol	Ave	0.3422	0.3828	0.0500	11.2	10.0	11.9	20.0
1,1'-Biphenyl	Ave	1.293	1.393	0.0500	10.8	10.0	7.7	20.0
2-Chloronaphthalene	Ave	0.9841	1.075	0.0500	10.9	10.0	9.3	20.0
2-Nitroaniline	Ave	0.3026	0.3474	0.0500	11.5	10.0	14.8	20.0
Dimethyl phthalate	Ave	1.118	1.229	0.0500	11.0	10.0	9.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81609/11 Calibration Date: 04/11/2013 21:43

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30411011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2443	0.2876	0.0500	11.8	10.0	17.7	20.0
Acenaphthylene	Ave	1.567	1.776	0.0500	11.3	10.0	13.3	20.0
3-Nitroaniline	Lin1		0.3091	0.0500	10.5	10.0	4.6	20.0
2,4-Dinitrophenol	Qua		0.1970	0.0500	21.5	20.0	7.3	20.0
Acenaphthene	Ave	1.089	1.180	0.0500	10.8	10.0	8.4	20.0
4-Nitrophenol	Lin1		0.1818	0.0500	21.7	20.0	8.5	20.0
2,4-Dinitrotoluene	Lin1		0.3752	0.0500	10.4	10.0	3.6	20.0
Dibenzofuran	Ave	1.468	1.604	0.0500	10.9	10.0	9.3	20.0
Diethyl phthalate	Ave	1.155	1.261	0.0500	10.9	10.0	9.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6282	0.6959	0.0500	11.1	10.0	10.8	20.0
4-Nitroaniline	Ave	0.2737	0.3216	0.0500	11.7	10.0	17.5	20.0
Fluorene	Ave	1.193	1.339	0.0500	11.2	10.0	12.2	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1475	0.0500	21.7	20.0	8.3	20.0
N-Nitrosodiphenylamine	Ave	0.4728	0.5209	0.0500	22.0	20.0	10.2	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.6357	0.7132	0.0500	11.2	10.0	12.2	20.0
4-Bromophenyl phenyl ether	Ave	0.1784	0.1987	0.0500	11.1	10.0	11.4	20.0
Hexachlorobenzene	Ave	0.1808	0.2025	0.0500	11.2	10.0	12.0	20.0
Atrazine	Ave	0.1794	0.2047	0.0500	22.8	20.0	14.1	20.0
Pentachlorophenol	Lin1		0.1432	0.0500	22.0	20.0	9.9	20.0
Phenanthrene	Ave	0.9275	1.010	0.0500	10.9	10.0	8.9	20.0
Anthracene	Ave	0.9222	1.057	0.0500	11.5	10.0	14.7	20.0
Carbazole	Ave	0.8498	0.9250	0.0500	10.9	10.0	8.8	20.0
Di-n-butyl phthalate	Ave	1.040	1.161	0.0500	11.2	10.0	11.6	20.0
Fluoranthene	Ave	1.094	1.196	0.0500	10.9	10.0	9.3	20.0
Benzidine	Ave	0.4158	0.5136	0.0500	24.7	20.0	23.5*	20.0
Pyrene	Ave	1.033	1.171	0.0500	11.3	10.0	13.4	20.0
Butyl benzyl phthalate	Ave	0.3936	0.4821	0.0500	12.2	10.0	22.5*	20.0
3,3'-Dichlorobenzidine	Ave	0.3264	0.3892	0.0500	23.8	20.0	19.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5537	0.6586	0.0500	11.9	10.0	18.9	20.0
Benzo[a]anthracene	Ave	0.995	1.126	0.0500	11.3	10.0	13.1	20.0
Chrysene	Ave	0.9135	1.061	0.0500	11.6	10.0	16.1	20.0
Di-n-octyl phthalate	Lin1		1.315	0.0500	10.6	10.0	5.9	20.0
Benzo[b]fluoranthene	Ave	1.074	1.235	0.0500	11.5	10.0	15.0	20.0
Benzo[k]fluoranthene	Ave	1.168	1.338	0.0500	11.5	10.0	14.6	20.0
Benzo[a]pyrene	Ave	0.997	1.181	0.0500	11.8	10.0	18.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.093	1.210	0.0500	11.1	10.0	10.6	20.0
Dibenz(a,h)anthracene	Ave	0.9115	1.061	0.0500	11.6	10.0	16.4	20.0
Benzo[g,h,i]perylene	Ave	0.9331	1.039	0.0500	11.1	10.0	11.3	20.0
2-Fluorophenol (Surr)	Ave	1.157	1.336	0.0500	11.5	10.0	15.5	20.0
Phenol-d5 (Surr)	Ave	1.542	1.792	0.0500	11.6	10.0	16.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81609/11 Calibration Date: 04/11/2013 21:43

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30411011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5 (Surr)	Ave	0.3740	0.4322	0.0500	11.6	10.0	15.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.290	1.493	0.0500	11.6	10.0	15.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1463	0.1771	0.0500	12.1	10.0	21.0*	20.0
Terphenyl-d14 (Surr)	Ave	0.7870	0.9254	0.0500	11.8	10.0	17.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D
Lims ID: icv tcl
Client ID:
Inject. Date: 11-Apr-2013 21:43:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018790-011
Misc. Info.: ICV TCL
Operator: 001710
Instrument ID: A4HP10
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 81609
Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m
Last Update: 12-Apr-2013 09:42:43
Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK010

First Level Reviewer: gruberj
Date: 12-Apr-2013 08:38:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.954	5.954	0.0	98	174408	4.00	
* 2 Naphthalene-d8	136	7.064	7.064	0.0	100	682302	4.00	
* 3 Acenaphthene-d10	164	8.568	8.568	0.0	95	409364	4.00	
* 4 Phenanthrene-d10	188	9.837	9.837	0.0	98	751682	4.00	
* 5 Chrysene-d12	240	12.446	12.446	0.0	78	793717	4.00	
* 6 Perylene-d12	264	14.573	14.567	0.006	94	637005	4.00	
$ 7 2-Fluorophenol	112	4.708	4.708	0.0	94	582627	11.5	
$ 8 Phenol-d5	99	5.589	5.589	0.0	80	781485	11.6	
$ 9 Nitrobenzene-d5	82	6.435	6.436	-0.001	89	737246	11.6	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.975	0.0	99	1528091	11.6	
$ 11 2,4,6-Tribromophenol	330	9.238	9.238	0.0	91	181250	12.1	
$ 12 Terphenyl-d14	244	11.212	11.212	0.0	99	1836258	11.8	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	2.610	2.611	-0.001	98	243879	10.2	M
26 N-Nitrosodimethylamine	74	3.075	3.075	0.0	88	306779	10.6	M
27 Pyridine	79	3.127	3.128	-0.001	89	600651	11.1	M
41 Benzaldehyde	77	5.560	5.560	0.0	90	1003924	21.2	
43 Phenol	94	5.601	5.601	0.0	94	718081	10.9	
44 Aniline	93	5.648	5.648	0.0	95	877552	10.8	
45 Bis(2-chloroethyl)ether	93	5.701	5.701	0.0	95	543231	10.6	
47 2-Chlorophenol	128	5.754	5.754	0.0	97	569123	10.7	
48 1,3-Dichlorobenzene	146	5.901	5.901	0.0	96	621585	10.8	
49 1,4-Dichlorobenzene	146	5.965	5.965	0.0	92	643719	10.9	
50 Benzyl alcohol	108	6.059	6.059	0.0	89	377820	11.2	
51 1,2-Dichlorobenzene	146	6.101	6.101	-0.001	94	606087	10.8	
52 2-Methylphenol	108	6.142	6.142	0.0	98	534199	11.1	
53 Indene	115	6.183	6.183	0.0	74	2134326	21.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.177	6.183	-0.006	25	723739	9.25	M
56 3 & 4 Methylphenol	108	6.277	6.277	0.0	94	561909	11.2	
57 N-Nitrosodi-n-propylamine	70	6.289	6.289	0.0	91	388763	10.8	
58 Acetophenone	105	6.300	6.300	0.0	85	811616	10.8	
61 Hexachloroethane	117	6.406	6.406	0.0	93	244748	10.8	
62 Nitrobenzene	77	6.453	6.453	0.0	87	629202	10.8	
64 Isophorone	82	6.653	6.653	0.0	96	1170378	11.2	
66 2-Nitrophenol	139	6.729	6.729	0.0	96	308487	11.1	
65 2,4-Dimethylphenol	107	6.741	6.741	0.0	95	557668	10.5	
70 Benzoic acid	122	6.800	6.794	0.006	85	721477	23.2	
69 Bis(2-chloroethoxy)methane	93	6.829	6.829	0.0	94	650936	10.6	
72 2,4-Dichlorophenol	162	6.929	6.929	0.0	95	481015	11.0	
73 1,2,4-Trichlorobenzene	180	7.011	7.011	0.0	91	555823	10.9	
74 Naphthalene	128	7.082	7.082	0.0	98	1708513	10.8	
75 4-Chloroaniline	127	7.117	7.117	0.0	84	702662	10.7	
78 Hexachlorobutadiene	225	7.182	7.182	0.0	92	328724	10.5	
83 Caprolactam	113	7.405	7.405	0.0	74	324367	21.7	
85 4-Chloro-3-methylphenol	107	7.511	7.511	0.0	94	517744	11.1	
87 2-Methylnaphthalene	142	7.675	7.675	0.0	86	1134309	10.7	
88 1-Methylnaphthalene	142	7.763	7.758	0.005	80	1036661	10.4	
89 Hexachlorocyclopentadiene	237	7.804	7.805	-0.001	95	374425	11.5	
92 1,2,4,5-Tetrachlorobenzene	216	7.816	7.816	0.0	96	592310	10.9	
93 2,4,6-Trichlorophenol	196	7.904	7.904	0.0	92	382155	11.3	
94 2,4,5-Trichlorophenol	196	7.934	7.934	0.0	95	391764	11.2	
98 1,1'-Biphenyl	154	8.069	8.069	0.0	96	1425313	10.8	
100 2-Chloronaphthalene	162	8.092	8.092	0.0	97	1100469	10.9	
102 2-Nitroaniline	65	8.163	8.163	0.0	80	355508	11.5	
105 Dimethyl phthalate	163	8.310	8.310	0.0	99	1258138	11.0	
106 1,3-Dinitrobenzene	168	8.339	8.339	0.0	83	212327	11.0	
107 2,6-Dinitrotoluene	165	8.363	8.363	0.0	92	294293	11.8	
109 Acenaphthylene	152	8.451	8.451	0.0	91	1817272	11.3	
110 3-Nitroaniline	138	8.515	8.510	0.005	95	316355	10.5	
112 Acenaphthene	153	8.598	8.598	0.0	92	1207719	10.8	
111 2,4-Dinitrophenol	184	8.598	8.598	0.0	71	403132	21.5	
113 4-Nitrophenol	109	8.627	8.627	0.0	94	372100	21.7	
114 2,4-Dinitrotoluene	165	8.709	8.709	0.0	84	383932	10.4	
116 Dibenzofuran	168	8.745	8.745	-0.001	88	1641946	10.9	
119 2,3,4,6-Tetrachlorophenol	232	8.833	8.833	0.0	73	348759	11.4	
121 Diethyl phthalate	149	8.903	8.903	0.0	97	1290988	10.9	
123 4-Chlorophenyl phenyl ether	204	9.021	9.021	0.0	89	712225	11.1	
125 4-Nitroaniline	138	9.032	9.033	-0.001	60	329084	11.7	
126 Fluorene	166	9.032	9.033	-0.001	81	1370454	11.2	
128 4,6-Dinitro-2-methylphenol	198	9.056	9.056	0.0	85	554512	21.7	
129 N-Nitrosodiphenylamine	169	9.121	9.115	0.006	98	1957603	22.0	
131 1,2-Diphenylhydrazine	77	9.156	9.156	0.0	96	1340206	11.2	
132 Azobenzene	77	9.156	9.156	0.0	100	1340261	11.2	
139 4-Bromophenyl phenyl ether	248	9.438	9.438	0.0	66	373402	11.1	
141 Hexachlorobenzene	284	9.502	9.503	-0.001	88	380531	11.2	
142 Atrazine	200	9.555	9.555	0.0	94	769187	22.8	
144 Pentachlorophenol	266	9.661	9.661	0.0	89	538173	22.0	
149 Phenanthrene	178	9.861	9.861	0.0	97	1898222	10.9	
150 Anthracene	178	9.902	9.902	0.0	98	1987165	11.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	10.025	10.026	-0.001	83	1738202	10.9	
155 Di-n-butyl phthalate	149	10.290	10.290	0.0	100	2180822	11.2	
160 Fluoranthene	202	10.877	10.877	0.0	98	2246664	10.9	
161 Benzidine	184	10.977	10.977	0.0	99	2038343	24.7	
162 Pyrene	202	11.095	11.095	0.0	97	2323835	11.3	
170 Butyl benzyl phthalate	149	11.712	11.712	0.0	97	956621	12.2	
177 3,3'-Dichlorobenzidine	252	12.376	12.376	0.0	68	1544473	23.8	
175 Bis(2-ethylhexyl) phthalate	149	12.405	12.405	0.0	96	1306905	11.9	
179 Benzo[a]anthracene	228	12.428	12.429	-0.001	96	2234019	11.3	
180 Chrysene	228	12.481	12.481	0.0	94	2104718	11.6	
182 Di-n-octyl phthalate	149	13.345	13.345	0.0	99	2094192	10.6	
184 Benzo[b]fluoranthene	252	13.980	13.974	0.006	94	1966382	11.5	
185 Benzo[k]fluoranthene	252	14.021	14.015	0.006	98	2130563	11.5	
186 Benzo[a]pyrene	252	14.485	14.485	0.0	76	1880307	11.8	
190 Indeno[1,2,3-cd]pyrene	276	16.277	16.277	0.0	94	1926160	11.1	
191 Dibenz(a,h)anthracene	278	16.312	16.306	0.006	79	1689628	11.6	
192 Benzo[g,h,i]perylene	276	16.747	16.747	0.0	95	1653907	11.1	

QC Flag Legend

Review Flags
M - Manually Integrated

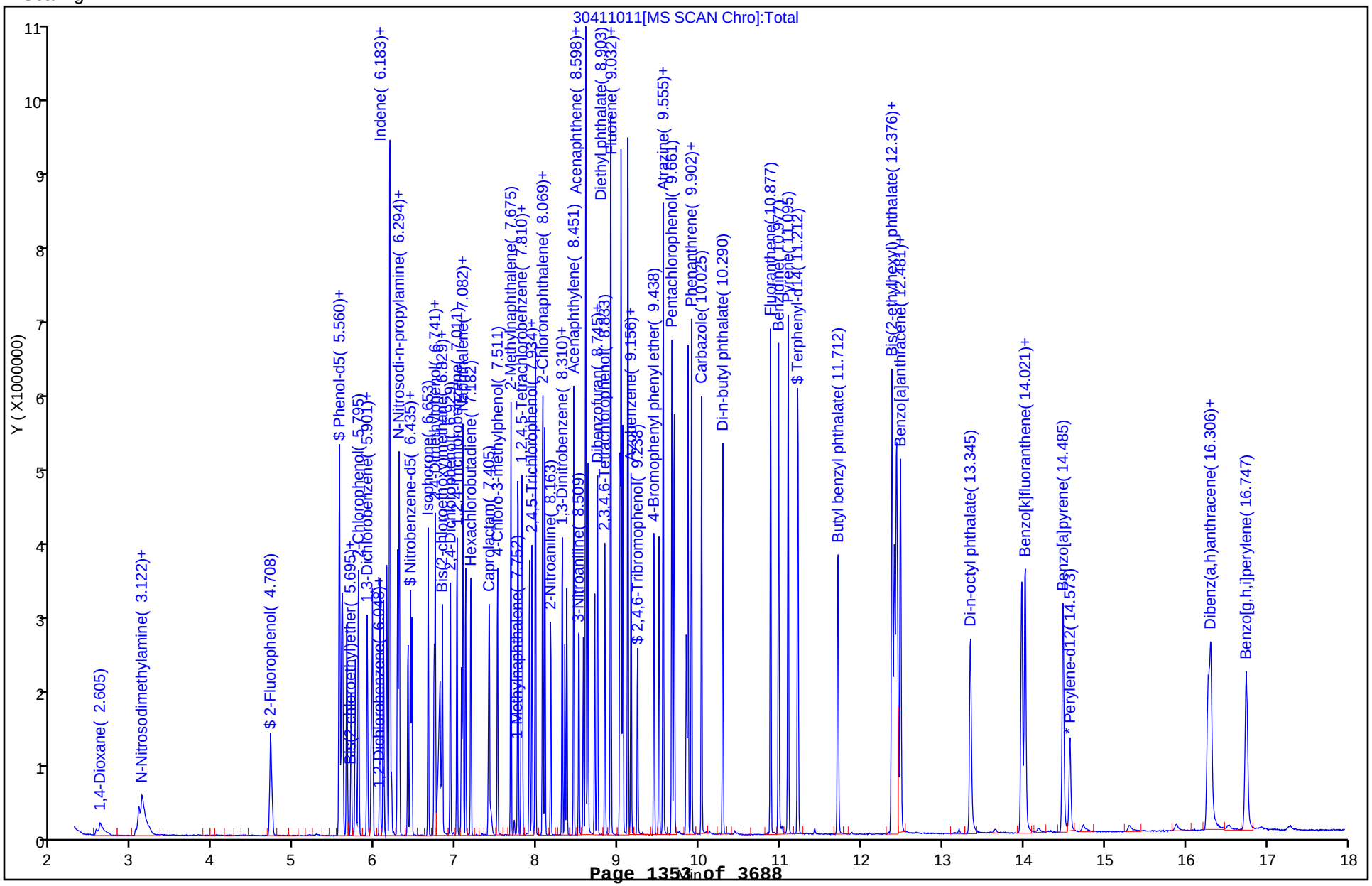
Report Date: 12-Apr-2013 09:42:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D

Injection Date:	11-Apr-2013 21:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

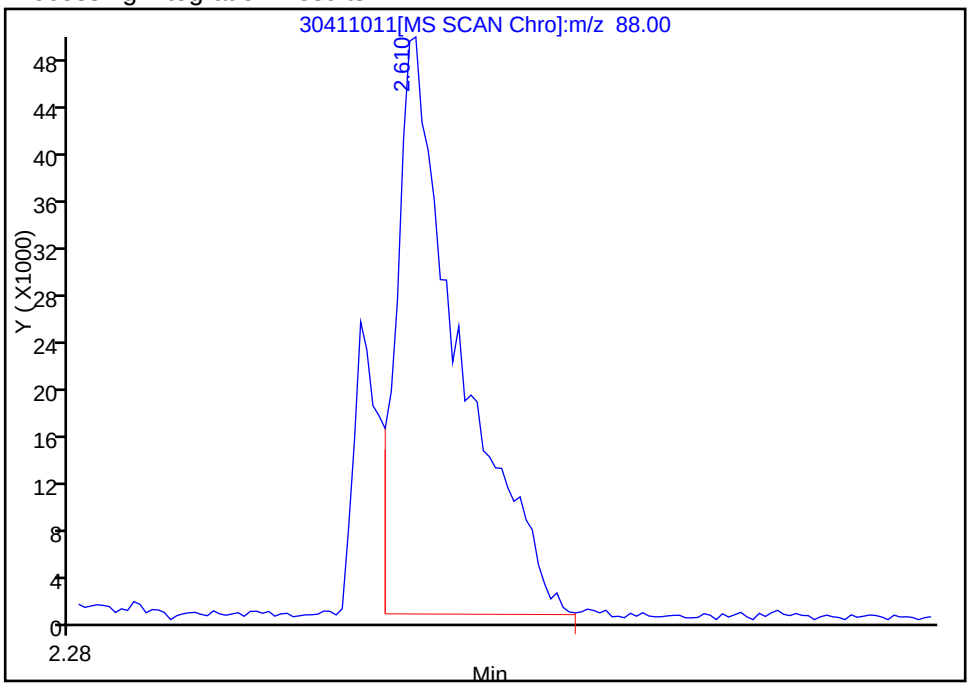
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D		
Injection Date:	11-Apr-2013 21:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	11
Operator ID:	001710	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: 2.61

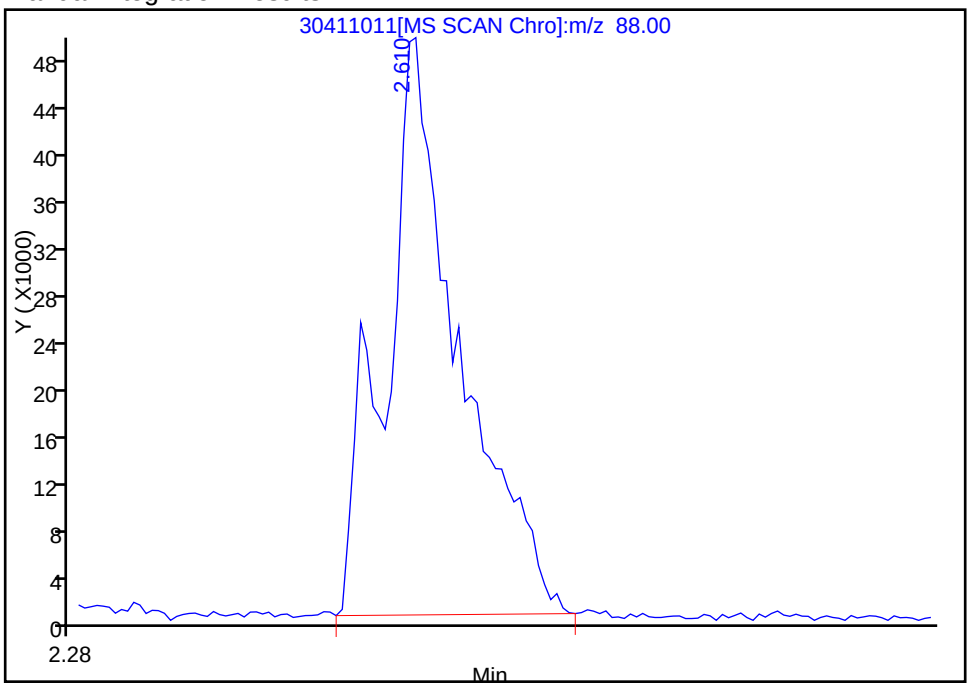
Processing Integration Results

RT: 2.61
Response: 207179
Amount: 8.619082



Manual Integration Results

RT: 2.61
Response: 243879
Amount: 10.180319



Reviewer: gruberj, 12-Apr-2013 09:27:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

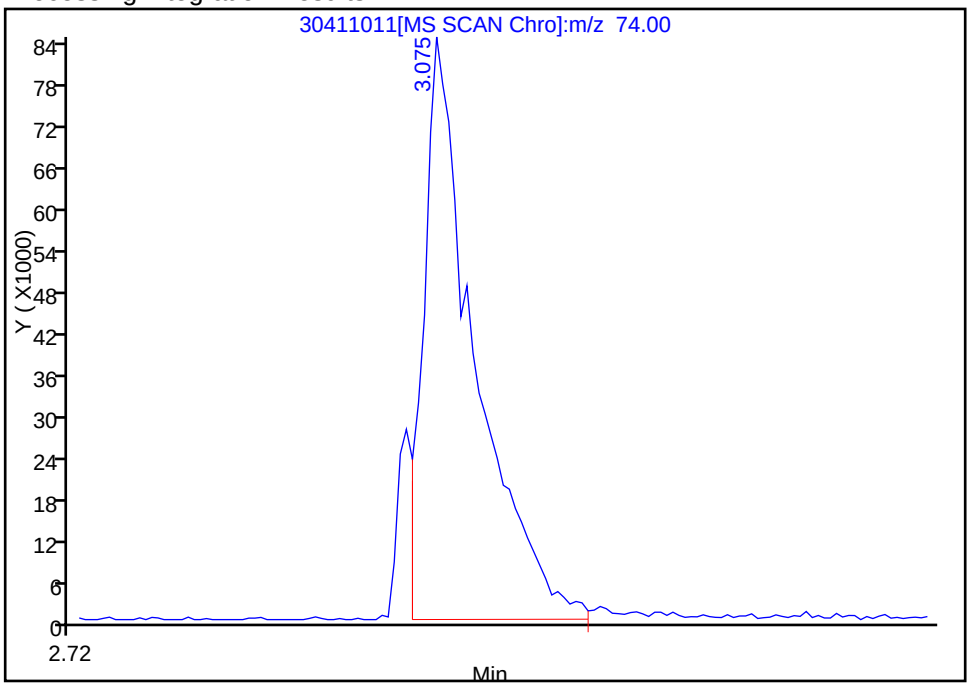
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D		
Injection Date:	11-Apr-2013 21:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.07

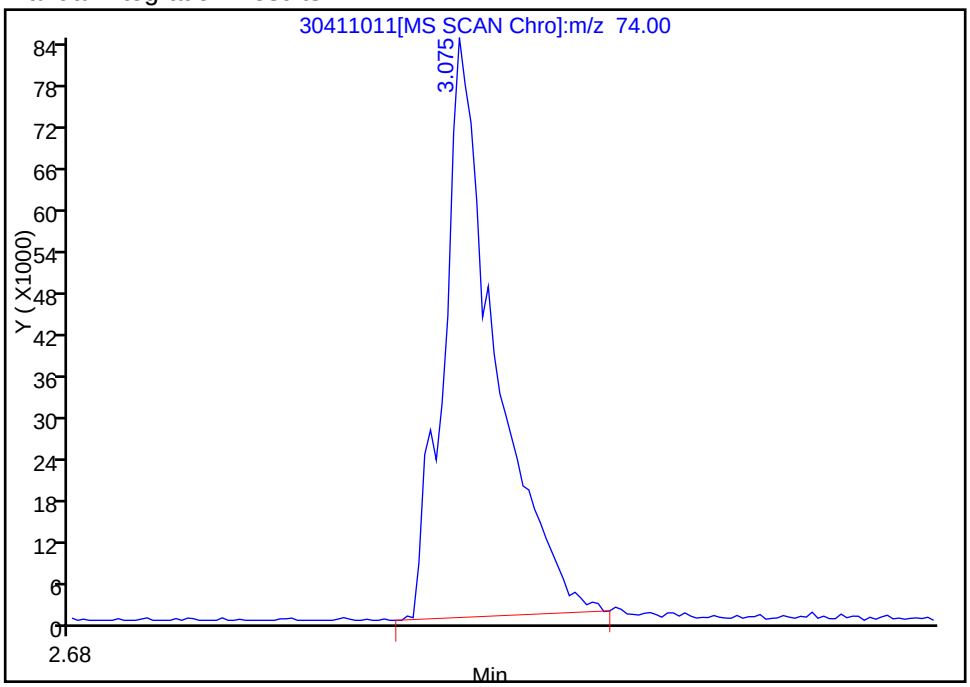
Processing Integration Results

RT: 3.07
Response: 293581
Amount: 10.097692



Manual Integration Results

RT: 3.07
Response: 306779
Amount: 10.551636



Reviewer: gruberj, 12-Apr-2013 09:27:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

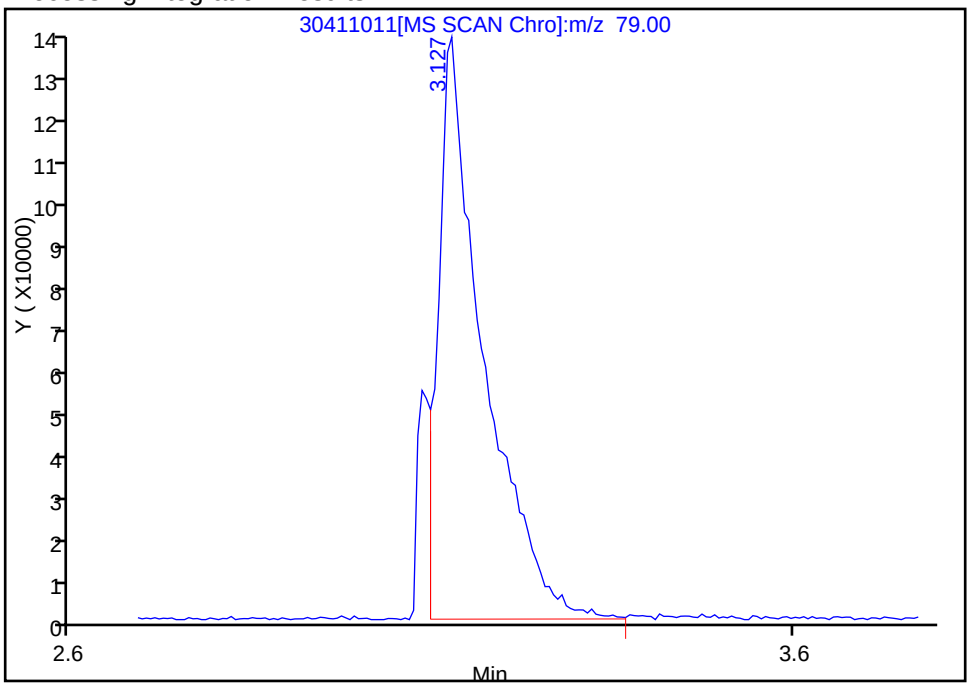
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D		
Injection Date:	11-Apr-2013 21:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	11
Operator ID:	001710	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: 3.13

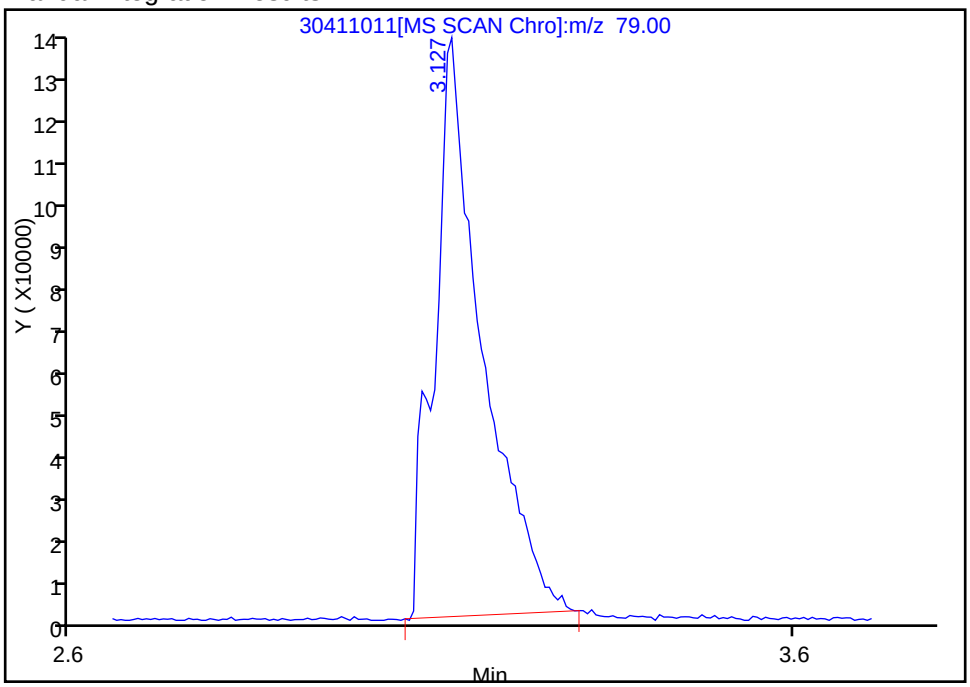
Processing Integration Results

RT: 3.13
Response: 570588
Amount: 10.581218



Manual Integration Results

RT: 3.13
Response: 600651
Amount: 11.138719



Reviewer: gruberj, 12-Apr-2013 09:27:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

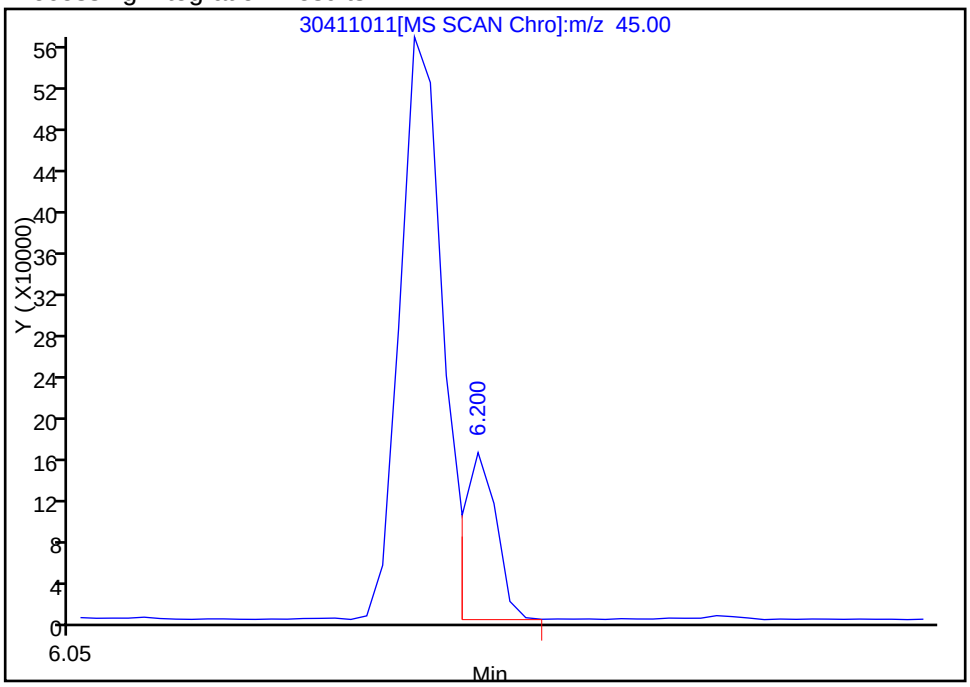
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411011.D		
Injection Date:	11-Apr-2013 21:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

54 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 6.18

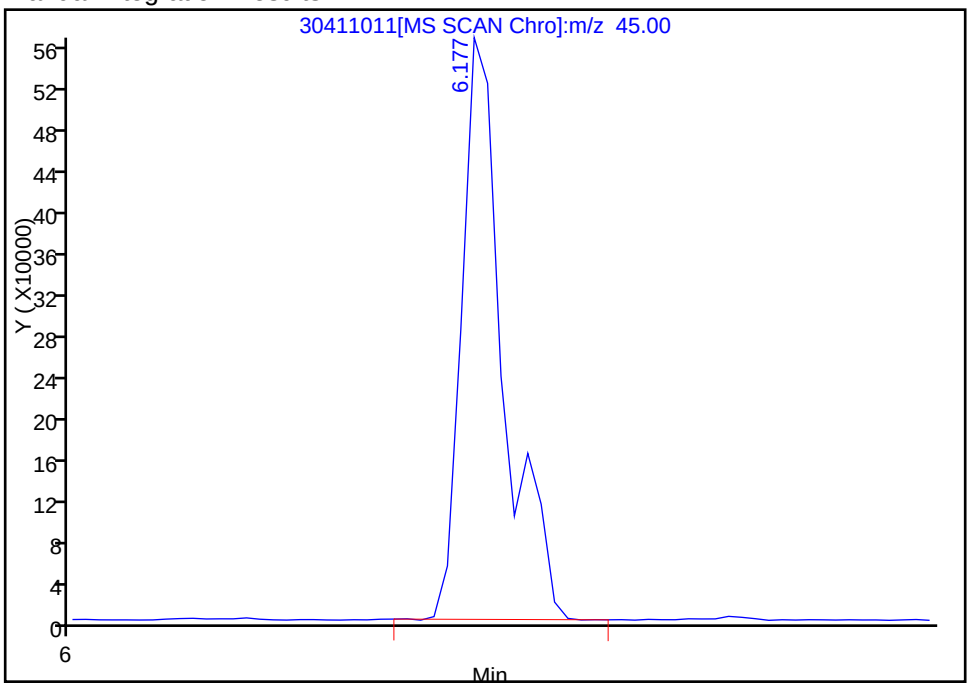
Processing Integration Results

RT: 6.20
Response: 140012
Amount: 1.789094



Manual Integration Results

RT: 6.18
Response: 723739
Amount: 9.248044



Reviewer: gruberj, 12-Apr-2013 09:27:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82293/2 Calibration Date: 04/17/2013 10:26

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.5117	0.0500	9.30	10.0	-7.0	20.0
N-Nitrosodimethylamine	Ave	0.6668	0.6934	0.0500	10.4	10.0	4.0	20.0
Pyridine	Ave	1.237	1.265	0.0500	10.2	10.0	2.3	20.0
Benzaldehyde	Ave	1.088	1.007	0.0500	18.5	20.0	-7.5	20.0
Phenol	Ave	1.517	1.501	0.0500	9.89	10.0	-1.1	20.0
Aniline	Ave	1.869	1.796	0.0500	9.61	10.0	-3.9	20.0
Bis(2-chloroethyl)ether	Ave	1.174	1.114	0.0500	9.49	10.0	-5.1	20.0
2-Chlorophenol	Ave	1.223	1.178	0.0500	9.63	10.0	-3.7	20.0
1,3-Dichlorobenzene	Ave	1.322	1.310	0.0500	9.90	10.0	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.349	1.324	0.0500	9.81	10.0	-1.9	20.0
Benzyl alcohol	Ave	0.7768	0.6857	0.0500	8.83	10.0	-11.7	20.0
1,2-Dichlorobenzene	Ave	1.287	1.256	0.0500	9.76	10.0	-2.4	20.0
2-Methylphenol	Ave	1.105	1.055	0.0500	9.55	10.0	-4.5	20.0
bis (2-chloroisopropyl) ether	Ave	1.795	1.652	0.0500	9.20	10.0	-8.0	20.0
3 & 4 Methylphenol	Ave	1.151	1.117	0.0500	9.70	10.0	-3.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8241	0.7655	0.0500	9.29	10.0	-7.1	20.0
Acetophenone	Ave	1.716	1.640	0.0500	9.56	10.0	-4.4	20.0
Hexachloroethane	Ave	0.5215	0.4947	0.0500	9.49	10.0	-5.1	20.0
Nitrobenzene	Ave	0.3401	0.3277	0.0500	9.64	10.0	-3.6	20.0
Isophorone	Ave	0.6103	0.5841	0.0500	9.57	10.0	-4.3	20.0
2-Nitrophenol	Ave	0.1624	0.1611	0.0500	9.92	10.0	-0.8	20.0
2,4-Dimethylphenol	Ave	0.3114	0.2912	0.0500	9.35	10.0	-6.5	20.0
Benzoic acid	Qua		0.1690	0.0500	19.1	20.0	-4.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.3595	0.3532	0.0500	9.82	10.0	-1.8	20.0
2,4-Dichlorophenol	Ave	0.2560	0.2638	0.0500	10.3	10.0	3.1	20.0
1,2,4-Trichlorobenzene	Ave	0.2998	0.3042	0.0500	10.1	10.0	1.4	20.0
Naphthalene	Ave	0.9279	0.9239	0.0500	9.96	10.0	-0.4	20.0
4-Chloroaniline	Ave	0.3867	0.3844	0.0500	9.94	10.0	-0.6	20.0
Hexachlorobutadiene	Ave	0.1834	0.1856	0.0500	10.1	10.0	1.1	20.0
Caprolactam	Ave	0.0877	0.0899	0.0500	20.5	20.0	2.5	20.0
4-Chloro-3-methylphenol	Ave	0.2736	0.2656	0.0500	9.71	10.0	-2.9	20.0
2-Methylnaphthalene	Ave	0.6242	0.6095	0.0500	9.76	10.0	-2.4	20.0
Hexachlorocyclopentadiene	Ave	0.3175	0.3174	0.0500	10.0	10.0	-0.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5309	0.5605	0.0500	10.6	10.0	5.6	20.0
2,4,6-Trichlorophenol	Ave	0.3299	0.3337	0.0500	10.1	10.0	1.1	20.0
2,4,5-Trichlorophenol	Ave	0.3422	0.3524	0.0500	10.3	10.0	3.0	20.0
1,1'-Biphenyl	Ave	1.293	1.272	0.0500	9.83	10.0	-1.7	20.0
2-Chloronaphthalene	Ave	0.9841	0.9925	0.0500	10.1	10.0	0.8	20.0
2-Nitroaniline	Ave	0.3026	0.2962	0.0500	9.79	10.0	-2.1	20.0
Dimethyl phthalate	Ave	1.118	1.112	0.0500	9.94	10.0	-0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82293/2 Calibration Date: 04/17/2013 10:26

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2443	0.2473	0.0500	10.1	10.0	1.2	20.0
Acenaphthylene	Ave	1.567	1.608	0.0500	10.3	10.0	2.6	20.0
3-Nitroaniline	Lin1		0.2783	0.0500	9.44	10.0	-5.6	20.0
Acenaphthene	Ave	1.089	1.055	0.0500	9.69	10.0	-3.1	20.0
2,4-Dinitrophenol	Qua		0.1721	0.0500	19.1	20.0	-4.3	20.0
4-Nitrophenol	Lin1		0.1494	0.0500	17.9	20.0	-10.3	20.0
2,4-Dinitrotoluene	Lin1		0.3389	0.0500	9.39	10.0	-6.1	20.0
Dibenzofuran	Ave	1.468	1.479	0.0500	10.1	10.0	0.7	20.0
Diethyl phthalate	Ave	1.155	1.118	0.0500	9.68	10.0	-3.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6282	0.6452	0.0500	10.3	10.0	2.7	20.0
4-Nitroaniline	Ave	0.2737	0.2781	0.0500	10.2	10.0	1.6	20.0
Fluorene	Ave	1.193	1.207	0.0500	10.1	10.0	1.2	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1241	0.0500	18.3	20.0	-8.3	20.0
N-Nitrosodiphenylamine	Ave	0.4728	0.4548	0.0500	19.2	20.0	-3.8	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.6357	0.5849	0.0500	9.20	10.0	-8.0	20.0
4-Bromophenyl phenyl ether	Ave	0.1784	0.1775	0.0500	9.95	10.0	-0.5	20.0
Hexachlorobenzene	Ave	0.1808	0.1773	0.0500	9.80	10.0	-2.0	20.0
Atrazine	Ave	0.1794	0.1742	0.0500	19.4	20.0	-2.9	20.0
Pentachlorophenol	Lin1		0.1226	0.0500	18.9	20.0	-5.5	20.0
Phenanthrene	Ave	0.9275	0.8779	0.0500	9.47	10.0	-5.3	20.0
Anthracene	Ave	0.9222	0.9020	0.0500	9.78	10.0	-2.2	20.0
Carbazole	Ave	0.8498	0.8092	0.0500	9.52	10.0	-4.8	20.0
Di-n-butyl phthalate	Ave	1.040	0.9667	0.0500	9.30	10.0	-7.0	20.0
Fluoranthene	Ave	1.094	1.065	0.0500	9.73	10.0	-2.7	20.0
Benzidine	Ave	0.4158	0.3894	0.0500	18.7	20.0	-6.3	20.0
Pyrene	Ave	1.033	1.021	0.0500	9.89	10.0	-1.1	20.0
Butyl benzyl phthalate	Ave	0.3936	0.3763	0.0500	9.56	10.0	-4.4	20.0
3,3'-Dichlorobenzidine	Ave	0.3264	0.3230	0.0500	19.8	20.0	-1.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5537	0.5308	0.0500	9.59	10.0	-4.1	20.0
Benzo[a]anthracene	Ave	0.995	0.9294	0.0500	9.34	10.0	-6.6	20.0
Chrysene	Ave	0.9135	0.9240	0.0500	10.1	10.0	1.2	20.0
Di-n-octyl phthalate	Lin1		1.003	0.0500	8.17	10.0	-18.3	20.0
Benzo[b]fluoranthene	Ave	1.074	1.018	0.0500	9.48	10.0	-5.2	20.0
Benzo[k]fluoranthene	Ave	1.168	1.272	0.0500	10.9	10.0	8.9	20.0
Benzo[a]pyrene	Ave	0.997	1.034	0.0500	10.4	10.0	3.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.093	1.094	0.0500	10.0	10.0	0.0	20.0
Dibenz(a,h)anthracene	Ave	0.9115	0.8938	0.0500	9.81	10.0	-1.9	20.0
Benzo[g,h,i]perylene	Ave	0.9331	0.9719	0.0500	10.4	10.0	4.2	20.0
2-Fluorophenol (Surr)	Ave	1.157	1.111	0.0500	9.60	10.0	-4.0	20.0
Phenol-d5 (Surr)	Ave	1.542	1.433	0.0500	9.29	10.0	-7.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82293/2 Calibration Date: 04/17/2013 10:26

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5 (Surr)	Ave	0.3740	0.3474	0.0500	9.29	10.0	-7.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.290	1.225	0.0500	9.50	10.0	-5.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1463	0.1457	0.0500	9.96	10.0	-0.4	20.0
Terphenyl-d14 (Surr)	Ave	0.7870	0.7220	0.0500	9.17	10.0	-8.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 17-Apr-2013 10:26:30
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018951-002
Misc. Info.: CCV TCL
Operator: 001710
Instrument ID: A4HP10
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 82293
Lims Sample ID: 2
Sublist: chrom-8270_10*sub27
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:47:22
Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj
Date: 17-Apr-2013 10:44:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	98	160796	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	99	606933	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	88	362705	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	707260	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	83	760652	4.00	
* 6 Perylene-d12	264	14.497	14.497	0.0	94	589424	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	94	446488	9.60	
$ 8 Phenol-d5	99	5.548	5.548	0.0	97	576134	9.29	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	89	527052	9.29	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	98	1110802	9.50	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	88	132097	9.96	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	99	1373023	9.17	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	2.469	2.469	0.0	95	205694	9.30	M
26 N-Nitrosodimethylamine	74	2.939	2.939	0.0	88	278738	10.4	
27 Pyridine	79	2.986	2.986	0.0	83	508441	10.2	M
41 Benzaldehyde	77	5.513	5.513	0.0	90	809480	18.5	
43 Phenol	94	5.560	5.560	0.0	98	603214	9.89	
44 Aniline	93	5.607	5.607	0.0	94	722069	9.61	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	94	448004	9.49	
47 2-Chlorophenol	128	5.713	5.713	0.0	97	473630	9.63	
48 1,3-Dichlorobenzene	146	5.860	5.860	0.0	97	526533	9.90	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	92	532096	9.81	
50 Benzyl alcohol	108	6.018	6.018	0.0	89	275645	8.83	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	95	504841	9.76	
52 2-Methylphenol	108	6.106	6.106	0.0	98	424089	9.55	
53 Indene	115	6.142	6.142	0.0	74	1766523	19.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
54 2,2'-oxybis[1-chloropropane]	45	6.142	6.142	0.0	53	664014	9.20	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	95	448846	9.70	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	92	307712	9.29	
58 Acetophenone	105	6.259	6.259	0.0	92	659354	9.56	
61 Hexachloroethane	117	6.365	6.365	0.0	94	198871	9.49	
62 Nitrobenzene	77	6.412	6.412	0.0	85	497265	9.64	
64 Isophorone	82	6.617	6.617	0.0	96	886275	9.57	
66 2-Nitrophenol	139	6.694	6.694	0.0	94	244369	9.92	
65 2,4-Dimethylphenol	107	6.706	6.706	0.0	94	441832	9.35	
70 Benzoic acid	122	6.764	6.764	0.0	79	512784	19.1	
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	94	535853	9.82	
72 2,4-Dichlorophenol	162	6.894	6.894	0.0	93	400335	10.3	
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	94	461524	10.1	
74 Naphthalene	128	7.046	7.046	0.0	97	1401905	9.96	
75 4-Chloroaniline	127	7.082	7.082	0.0	83	583319	9.94	
78 Hexachlorobutadiene	225	7.146	7.146	0.0	91	281537	10.1	
83 Caprolactam	113	7.370	7.370	0.0	75	272872	20.5	
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	89	402958	9.71	
87 2-Methylnaphthalene	142	7.640	7.640	0.0	85	924753	9.76	
88 1-Methylnaphthalene	142	7.728	7.728	0.0	80	855378	9.63	
89 Hexachlorocyclopentadiene	237	7.769	7.769	0.0	94	287796	10.0	
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	95	508279	10.6	
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	93	302573	10.1	
94 2,4,5-Trichlorophenol	196	7.904	7.904	0.0	96	319543	10.3	
98 1,1'-Biphenyl	154	8.033	8.033	0.0	96	1153071	9.83	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	96	899957	10.1	
102 2-Nitroaniline	65	8.133	8.133	0.0	82	268578	9.79	
105 Dimethyl phthalate	163	8.274	8.274	0.0	99	1008323	9.94	
106 1,3-Dinitrobenzene	168	8.310	8.310	0.0	89	169357	10.0	
107 2,6-Dinitrotoluene	165	8.333	8.333	0.0	90	224256	10.1	
109 Acenaphthylene	152	8.415	8.415	0.0	92	1458391	10.3	
110 3-Nitroaniline	138	8.480	8.480	0.0	92	252312	9.44	
112 Acenaphthene	153	8.562	8.562	0.0	93	956758	9.69	
111 2,4-Dinitrophenol	184	8.568	8.568	0.0	76	312030	19.1	
113 4-Nitrophenol	109	8.598	8.598	0.0	91	271008	17.9	
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	91	307335	9.39	
116 Dibenzofuran	168	8.709	8.709	0.0	85	1340648	10.1	
119 2,3,4,6-Tetrachlorophenol	232	8.797	8.797	0.0	72	282123	10.4	
121 Diethyl phthalate	149	8.868	8.868	0.0	97	1013384	9.68	
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	88	585031	10.3	
126 Fluorene	166	8.997	8.997	0.0	81	1094659	10.1	
125 4-Nitroaniline	138	8.997	8.997	0.0	61	252121	10.2	
128 4,6-Dinitro-2-methylphenol	198	9.021	9.021	0.0	88	438680	18.3	
129 N-Nitrosodiphenylamine	169	9.085	9.085	0.0	97	1608298	19.2	
132 Azobenzene	77	9.120	9.120	0.0	99	1034200	9.20	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	95	1034241	9.20	
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	65	313881	9.95	
141 Hexachlorobenzene	284	9.467	9.467	0.0	92	313453	9.80	
142 Atrazine	200	9.520	9.520	0.0	94	615876	19.4	
144 Pentachlorophenol	266	9.626	9.626	0.0	88	433622	18.9	
149 Phenanthrene	178	9.820	9.820	0.0	97	1552256	9.47	
150 Anthracene	178	9.867	9.867	0.0	97	1594924	9.78	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
152 Carbazole	167	9.990	9.990	0.0	83	1430695	9.52	
155 Di-n-butyl phthalate	149	10.254	10.254	0.0	100	1709227	9.30	
160 Fluoranthene	202	10.836	10.836	0.0	98	1882964	9.73	
161 Benzidine	184	10.936	10.936	0.0	99	1481029	18.7	
162 Pyrene	202	11.054	11.054	0.0	97	1942098	9.89	
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	98	715636	9.56	
177 3,3'-Dichlorobenzidine	252	12.323	12.323	0.0	71	1228387	19.8	
175 Bis(2-ethylhexyl) phthalate	149	12.352	12.352	0.0	96	1009297	9.59	
179 Benzo[a]anthracene	228	12.376	12.376	0.0	96	1767371	9.34	
180 Chrysene	228	12.423	12.423	0.0	94	1757101	10.1	
182 Di-n-octyl phthalate	149	13.280	13.280	0.0	100	1478508	8.17	
184 Benzo[b]fluoranthene	252	13.909	13.909	0.0	92	1499985	9.48	
185 Benzo[k]fluoranthene	252	13.950	13.950	0.0	90	1874658	10.9	
186 Benzo[a]pyrene	252	14.414	14.414	0.0	76	1523234	10.4	
190 Indeno[1,2,3-cd]pyrene	276	16.189	16.189	0.0	97	1611717	10.0	
191 Dibenz(a,h)anthracene	278	16.218	16.218	0.0	76	1317025	9.81	
192 Benzo[g,h,i]perylene	276	16.647	16.647	0.0	91	1432190	10.4	
S 193 Methyl Phenols,Total	100				0		19.3	

QC Flag Legend

Review Flags
M - Manually Integrated

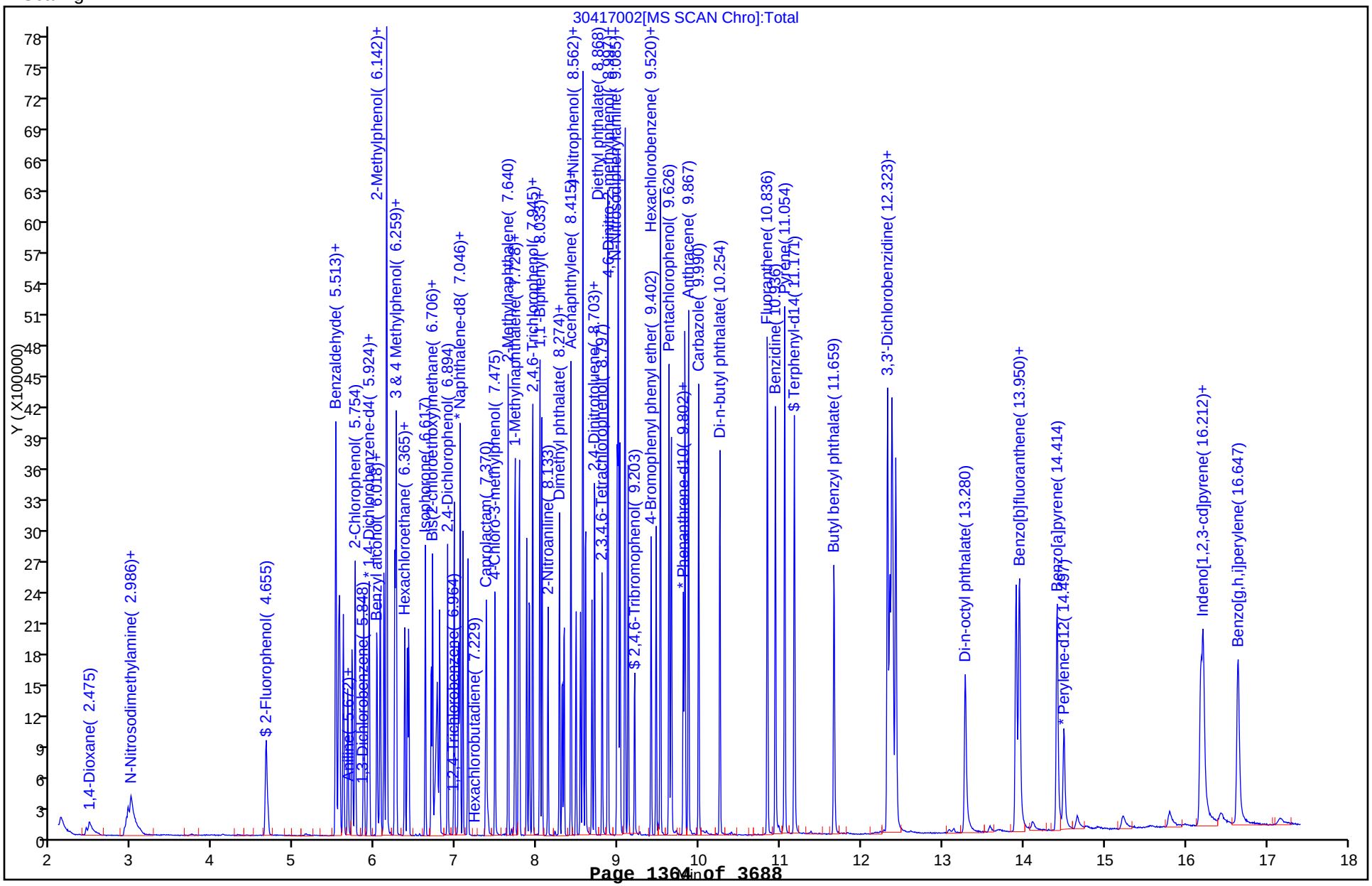
Report Date: 18-Apr-2013 13:47:22 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417002.D

Injection Date:	17-Apr-2013 10:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

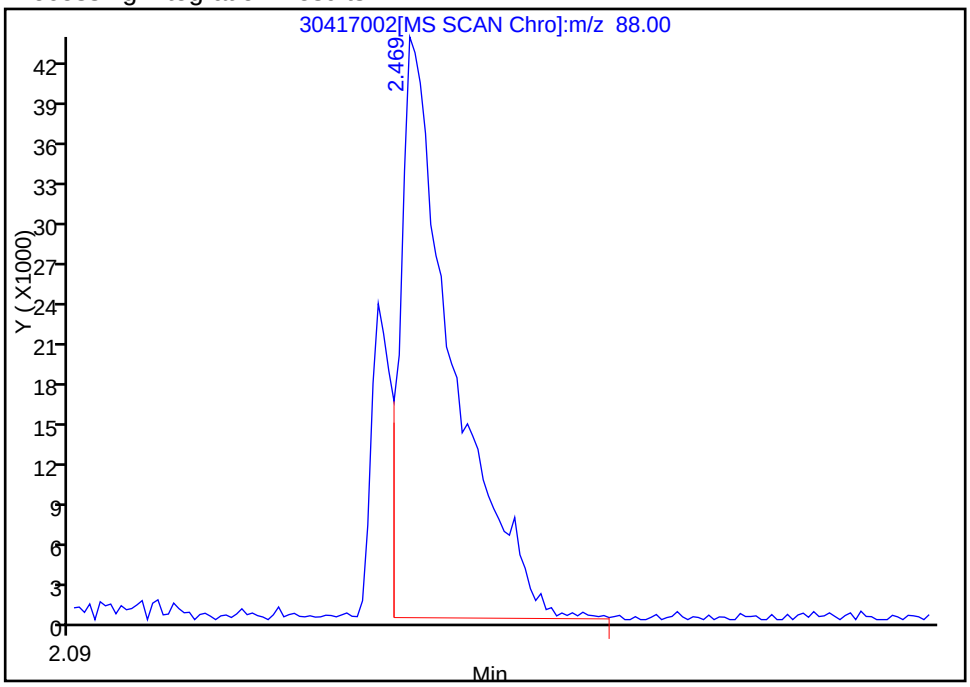
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417002.D		
Injection Date:	17-Apr-2013 10:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	2
Operator ID:	001710	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: 2.47

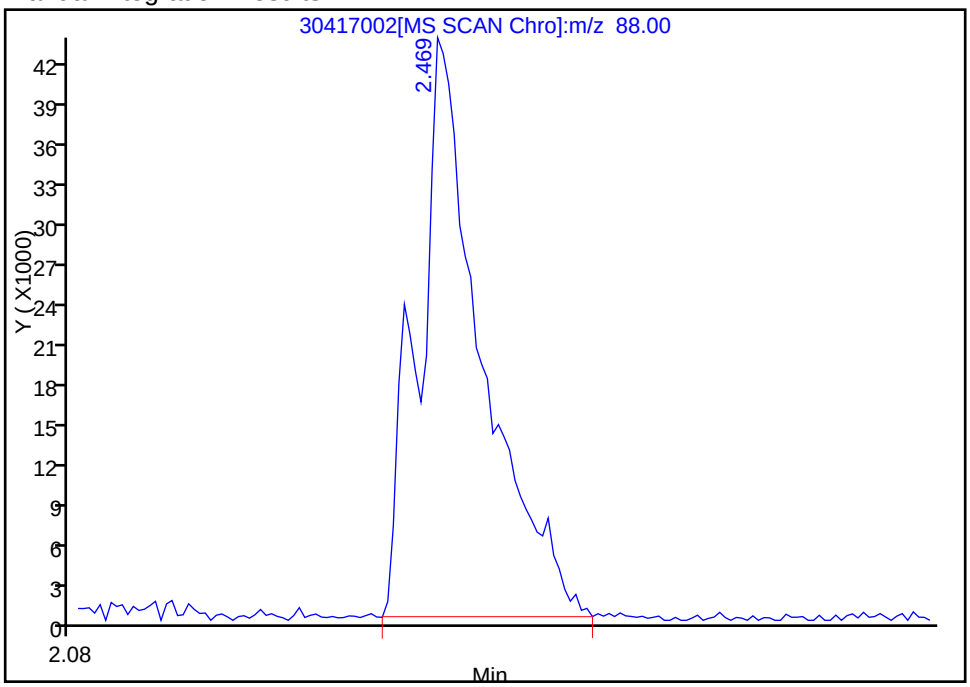
Processing Integration Results

RT: 2.47
Response: 177159
Amount: 7.980004



Manual Integration Results

RT: 2.47
Response: 205694
Amount: 9.296658



Reviewer: gruberj, 17-Apr-2013 10:44:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

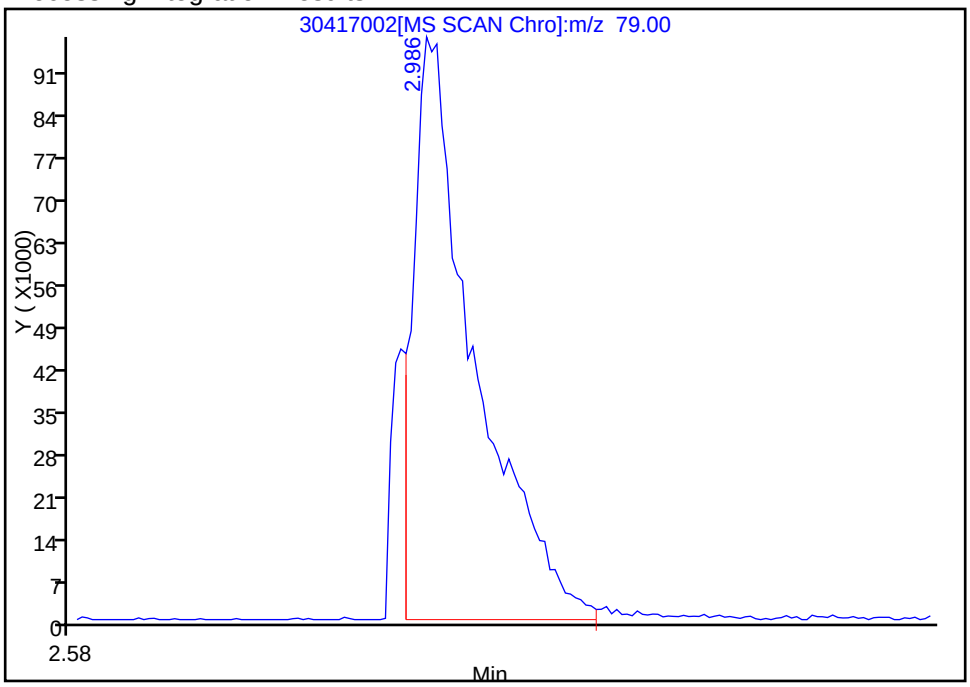
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417002.D		
Injection Date:	17-Apr-2013 10:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	2
Operator ID:	001710	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: 2.99

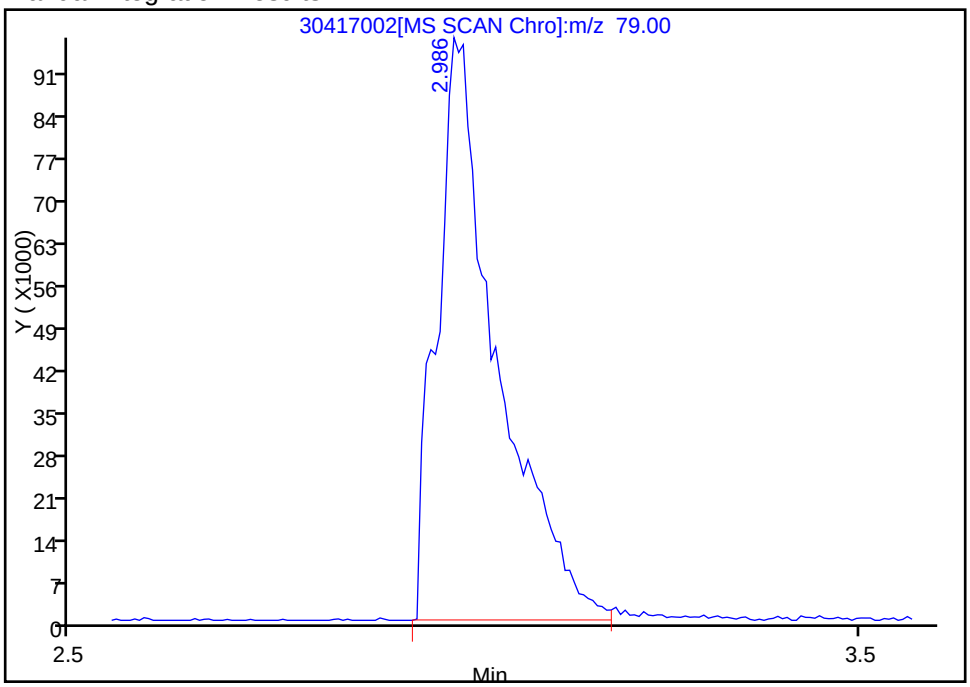
Processing Integration Results

RT: 2.99
Response: 467736
Amount: 9.408166



Manual Integration Results

RT: 2.99
Response: 508441
Amount: 10.226918



Reviewer: gruberj, 17-Apr-2013 10:44:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/17/2013 19:53

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.088			0.215	0.200		
Phenol	Ave	1.517			0.102	0.100		
Aniline	Ave	1.869			0.113	0.100		
Bis(2-chloroethyl)ether	Ave	1.174			0.130	0.100		
2-Chlorophenol	Ave	1.223			0.110	0.100		
1,3-Dichlorobenzene	Ave	1.322			0.110	0.100		
1,4-Dichlorobenzene	Ave	1.349			0.123	0.100		
1,2-Dichlorobenzene	Ave	1.287			0.108	0.100		
2-Methylphenol	Ave	1.105			0.130	0.100		
bis (2-chloroisopropyl) ether	Ave	1.795			0.110	0.100		
3 & 4 Methylphenol	Ave	1.151			0.117	0.100		
N-Nitrosodi-n-propylamine	Ave	0.8241			0.109	0.100		
Acetophenone	Ave	1.716			0.122	0.100		
Hexachloroethane	Ave	0.5215			0.0561	0.100		
Nitrobenzene	Ave	0.3401			0.109	0.100		
Isophorone	Ave	0.6103			0.101	0.100		
2-Nitrophenol	Ave	0.1624			0.0972	0.100		
2,4-Dimethylphenol	Ave	0.3114			0.0952	0.100		
Bis(2-chloroethoxy)methane	Ave	0.3595			0.123	0.100		
2,4-Dichlorophenol	Ave	0.2560			0.117	0.100		
1,2,4-Trichlorobenzene	Ave	0.2998			0.105	0.100		
Naphthalene	Ave	0.9279			0.113	0.100		
4-Chloroaniline	Ave	0.3867			0.112	0.100		
Hexachlorobutadiene	Ave	0.1834			0.119	0.100		
Caprolactam	Ave	0.0877			0.256	0.200		
4-Chloro-3-methylphenol	Ave	0.2736			0.105	0.100		
2-Methylnaphthalene	Ave	0.6242			0.115	0.100		
1,2,4,5-Tetrachlorobenzene	Ave	0.5309			0.122	0.100		
2,4,6-Trichlorophenol	Ave	0.3299			0.0987	0.100		
2,4,5-Trichlorophenol	Ave	0.3422			0.116	0.100		
1,1'-Biphenyl	Ave	1.293			0.119	0.100		
2-Chloronaphthalene	Ave	0.9841			0.125	0.100		
Dimethyl phthalate	Ave	1.118			0.113	0.100		
Acenaphthylene	Ave	1.567			0.104	0.100		
3-Nitroaniline	Lin1				0.354	0.100		
Acenaphthene	Ave	1.089			0.115	0.100		
4-Nitrophenol	Lin1				0.732	0.200		
Dibenzofuran	Ave	1.468			0.123	0.100		
Diethyl phthalate	Ave	1.155			0.118	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6282			0.125	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/17/2013 19:53

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.193			0.120	0.100		
N-Nitrosodiphenylamine	Ave	0.4728			0.233	0.200		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.6357			0.105	0.100		
4-Bromophenyl phenyl ether	Ave	0.1784			0.105	0.100		
Hexachlorobenzene	Ave	0.1808			0.125	0.100		
Atrazine	Ave	0.1794			0.214	0.200		
Phenanthrene	Ave	0.9275			0.112	0.100		
Anthracene	Ave	0.9222			0.115	0.100		
Carbazole	Ave	0.8498			0.115	0.100		
Di-n-butyl phthalate	Ave	1.040			0.129	0.100		
Fluoranthene	Ave	1.094			0.109	0.100		
Benzidine	Ave	0.4158			0.154	0.200		
Pyrene	Ave	1.033			0.109	0.100		
Butyl benzyl phthalate	Ave	0.3936			0.102	0.100		
3,3'-Dichlorobenzidine	Ave	0.3264			0.204	0.200		
Bis(2-ethylhexyl) phthalate	Ave	0.5537			0.125	0.100		
Benzo[a]anthracene	Ave	0.995			0.130	0.100		
Chrysene	Ave	0.9135			0.113	0.100		
Di-n-octyl phthalate	Lin1				0.440	0.100		
Benzo[b]fluoranthene	Ave	1.074			0.0911	0.100		
Benzo[k]fluoranthene	Ave	1.168			0.101	0.100		
Benzo[a]pyrene	Ave	0.997			0.0977	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.093			0.0888	0.100		
Dibenz(a,h)anthracene	Ave	0.9115			0.0773	0.100		
Benzo[g,h,i]perylene	Ave	0.9331			0.0951	0.100		
1,4-Dioxane	Lin1				0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Lin1				0.000800	0.100		
2,6-Dinitrotoluene	Ave	0.2443			0.000800	0.100		
2-Nitroaniline	Ave	0.3026			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Lin1				0.00240	0.200		
4-Nitroaniline	Ave	0.2737			0.000800	0.100		
Benzoic acid	Qua				0.0100	0.200		
Benzyl alcohol	Ave	0.7768			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3175			0.000800	0.100		
N-Nitrosodimethylamine	Ave	0.6668			0.000800	0.100		
Pentachlorophenol	Lin1				0.00240	0.200		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/17/2013 19:53

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.237			0.000800	0.100		
2-Fluorophenol (Surr)	Ave	1.157			0.216	0.100	216*	20-110
Phenol-d5 (Surr)	Ave	1.542			0.223	0.100	223*	10-115
Nitrobenzene-d5 (Surr)	Ave	0.3740			0.132	0.100	132*	40-110
2-Fluorobiphenyl (Surr)	Ave	1.290			0.152	0.100	152*	50-110
2,4,6-Tribromophenol (Surr)	Ave	0.1463			0.163	0.100	163*	40-125
Terphenyl-d14 (Surr)	Ave	0.7870			0.141	0.100	141*	50-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417026.D		
Lims ID:	mdll1	Client ID:	
Inject. Date:	17-Apr-2013 19:53:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0018951-026		
Misc. Info.:	MDLL1		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	82293	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m		
Last Update:	18-Apr-2013 13:50:43	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK023		
First Level Reviewer: gruberj		Date:	18-Apr-2013 13:38:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	97	153309	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	100	586104	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	94	347486	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	97	658575	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	84	678534	4.00	
* 6 Perylene-d12	264	14.491	14.497	-0.006	97	572017	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	74	9571	0.2158	
$ 8 Phenol-d5	99	5.548	5.548	0.0	88	13165	0.2227	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	74	7239	0.1321	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	95	16988	0.1516	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	41	2072	0.1630	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	86	18876	0.1414	
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
32 Malononitrile	66		2.451					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88		2.469					
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					9
26 N-Nitrosodimethylamine	74		2.939					9
27 Pyridine	79		2.986					
38 2-Methylcyclohexanone	68	3.186	3.221	-0.035	1	321	0	
40 4-Methylcyclohexanone	55	3.256	3.221	0.035	1	1810	0	
39 3-Methylcyclohexanone	69		3.221					1
232 1-Methyl-2-pyrrilidinone	99		3.351					
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110		4.161					19
31 N-Nitrosomethylethylamine	88		4.226					
22 3-Methylcatechol	124		4.460					19
34 Acrylamide	71	4.467	4.497	-0.030	1	151	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					
17 4-Methylcatechol	124		4.583					19
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					
41 Benzaldehyde	77	5.513	5.513	0.0	85	8973	0.2151	
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	73	5929	0.1020	
44 Aniline	93	5.607	5.607	0.0	79	8083	0.1129	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	63	5864	0.1303	
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128	5.712	5.713	-0.001	73	5173	0.1103	
48 1,3-Dichlorobenzene	146	5.859	5.860	-0.001	71	5573	0.1100	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	60	6383	0.1234	
50 Benzyl alcohol	108		6.018					
51 1,2-Dichlorobenzene	146	6.065	6.059	0.006	64	5307	0.1076	
127 Tributyl phosphate	99		6.089					9
52 2-Methylphenol	108	6.106	6.106	0.0	75	5506	0.1301	
53 Indene	115	6.141	6.142	-0.001	88	18850	0.2159	
54 2,2'-oxybis[1-chloropropane]	45	6.141	6.142	-0.001	42	7559	0.1099	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	83	5162	0.1170	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	87	3450	0.1092	
58 Acetophenone	105	6.259	6.259	0.0	87	8045	0.1223	
55 N-Nitrosopyrrolidine	100		6.277					
59 N-Nitrosomorpholine	56		6.312					9
60 2-Toluidine	106		6.330					9
61 Hexachloroethane	117	6.359	6.365	-0.006	53	1121	0.0561	
62 Nitrobenzene	77	6.412	6.412	0.0	71	5429	0.1089	
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82	6.617	6.617	0.0	90	9072	0.1015	
66 2-Nitrophenol	139	6.694	6.694	0.0	66	2312	0.0972	
65 2,4-Dimethylphenol	107	6.711	6.706	0.005	38	4342	0.0952	
70 Benzoic acid	122		6.764					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	89	6496	0.1233	
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162	6.893	6.894	-0.001	74	4397	0.1172	
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180	6.970	6.976	-0.006	86	4594	0.1046	
74 Naphthalene	128	7.046	7.046	0.0	66	15302	0.1125	
75 4-Chloroaniline	127	7.081	7.082	-0.001	76	6344	0.1120	
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225	7.146	7.146	0.0	64	3201	0.1191	
77 Hexachloropropene	213		7.158					9
80 Benzothiazole	135		7.243					
81 Quinoline	129		7.364					
83 Caprolactam	113	7.352	7.370	-0.018	61	3286	0.2557	
82 N-Nitrosodi-n-butylamine	84		7.387					9
84 p-Phenylene diamine	108		7.411					
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	70	4215	0.1052	
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142	7.640	7.640	0.0	80	10502	0.1148	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	68	9385	0.1094	
89 Hexachlorocyclopentadiene	237		7.769					
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	72	5629	0.1220	
95 Isosafrole Peak 1	162		7.834					9
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	73	2830	0.0987	
94 2,4,5-Trichlorophenol	196	7.904	7.904	0.0	68	3439	0.1157	
96 3,4-Dichloronitrobenzene	109		7.967					9
91 Isosafrole Peak 2	162		8.028					9
98 1,1'-Biphenyl	154	8.033	8.033	0.0	89	13370	0.1190	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	85	10716	0.1253	
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162	8.057	8.116	-0.059	0	10716	0	
102 2-Nitroaniline	65		8.133					9
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163	8.268	8.274	-0.006	91	11014	0.1134	
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	56	904	0.2427	
107 2,6-Dinitrotoluene	165		8.333					
109 Acenaphthylene	152	8.415	8.415	0.0	85	14179	0.1042	
110 3-Nitroaniline	138	8.474	8.480	-0.006	76	2396	0.3543	
112 Acenaphthene	153	8.556	8.562	-0.006	74	10897	0.1152	
111 2,4-Dinitrophenol	184		8.568					9
113 4-Nitrophenol	109	8.591	8.598	-0.007	70	2873	0.7316	
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165		8.674					9
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168	8.703	8.709	-0.006	80	15743	0.1235	
119 2,3,4,6-Tetrachlorophenol	232		8.797					9
117 2,3,5,6-Tetrachlorophenol	232		8.798					9
118 1-Naphthylamine	143		8.803					
121 Diethyl phthalate	149	8.868	8.868	0.0	93	11839	0.1180	
120 2-Naphthylamine	143		8.874					
122 Thionazin	97		8.974					
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	79	6842	0.1254	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166	8.997	8.997	0.0	81	12460	0.1202	
125 4-Nitroaniline	138		8.997					9
128 4,6-Dinitro-2-methylphenol	198		9.021					9
124 N-Nitro-o-toluidine	152		9.033					
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	97	18141	0.2330	
130 Diphenylamine	169	9.079	9.115	-0.036	90	18141	0.1985	
132 Azobenzene	77	9.120	9.120	0.0	93	10981	0.1049	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	89	10981	0.1049	
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					
135 Diallate Peak 1	86		9.356					9
136 Phenacetin	108		9.362					
137 Phorate	121		9.367					
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	53	3081	0.1049	
138 Diallate Peak 2	86		9.438					9
141 Hexachlorobenzene	284	9.467	9.467	0.0	59	3714	0.1248	
140 Dimethoate	87		9.514					
142 Atrazine	200	9.514	9.520	-0.006	68	6323	0.2141	
144 Pentachlorophenol	266		9.626					9
143 4-Aminobiphenyl	169		9.661					9
146 Pentachloronitrobenzene	237		9.673					
145 Pronamide	173		9.691					9
148 Dinoseb	211		9.802					
147 Disulfoton	88		9.808					9
149 Phenanthrene	178	9.819	9.820	-0.001	39	17142	0.1123	
150 Anthracene	178	9.861	9.867	-0.006	84	17487	0.1152	
151 DFTPP								
152 Carbazole	167	9.990	9.990	0.0	70	16087	0.1150	
153 Methyl parathion	109		10.131					
154 Diphenylsulfone	125		10.147					
155 Di-n-butyl phthalate	149	10.248	10.254	-0.006	98	22098	0.1291	
156 Ethyl Parathion	97		10.454					9
157 4-Nitroquinoline-1-oxide	190		10.507					
158 Methapyrilene	58		10.554					
159 Isodrin	66		10.748					
160 Fluoranthene	202	10.836	10.836	0.0	91	19701	0.1094	
161 Benzidine	184	10.936	10.936	0.0	82	10887	0.1543	
162 Pyrene	202	11.047	11.054	-0.007	94	19084	0.1089	
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					
163 Aramite Peak 1	185		11.171					9
164 Aramite Peak 2	185		11.242					9
165 p-Dimethylamino azobenzene	225		11.353					
166 Chlorobenzilate	139		11.389					
167 4,4'-DDD	235		11.447					
28 Ethyl methacrylate	69		11.477					9
170 Butyl benzyl phthalate	149	11.659	11.659	-0.001	82	6795	0.1018	
171 3,3'-Dimethylbenzidine	212		11.712					
172 4,4'-DDT	235		11.782					9
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232	12.387	12.319	0.068	1	29375	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
177 3,3'-Dichlorobenzidine	252	12.317	12.323	-0.006	52	11287	0.2039	
175 Bis(2-ethylhexyl) phthalate	149	12.352	12.352	0.0	76	11766	0.1253	
179 Benzo[a]anthracene	228	12.375	12.376	-0.001	45	21966	0.1301	
176 4,4'-Methylene bis(2-chloroanili	231		12.382					9
180 Chrysene	228	12.422	12.423	-0.001	53	17433	0.1125	
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149	13.268	13.280	-0.012	60	9257	0.4403	
184 Benzo[b]fluoranthene	252	13.897	13.909	-0.012	81	13982	0.0911	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	59	16805	0.1006	
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	55	13924	0.0977	
187 3-Methylcholanthrene	268		15.037					9
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276	16.177	16.189	-0.012	29	13879	0.0888	M
191 Dibenz(a,h)anthracene	278	16.212	16.218	-0.006	6	10080	0.0773	M
192 Benzo[g,h,i]perylene	276	16.641	16.647	-0.006	78	12691	0.0951	M
S 193 Methyl Phenols,Total	100				0		0.2471	
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57		0.000					1
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	3.909	4.004	-0.091	0	194	0	
T 200 Hexamethylphosphoramide TIC	135	7.029	7.206	-0.171	19	53834	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					1
T 19 2,3,7,8-TCDD	320	8.527	8.808	-0.273	1	165	0	
T 199 Octadecane (TIC)	254	14.655	9.605	5.055	87	22509	0	
T 241 Triphenyl Phosphate TIC	326	12.722	12.261	0.472	0	233	0	
T 240 Tricresyl phosphate TIC	368	12.910	12.762	0.160	0	113	0	
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.491	14.511	-0.009	0	112	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

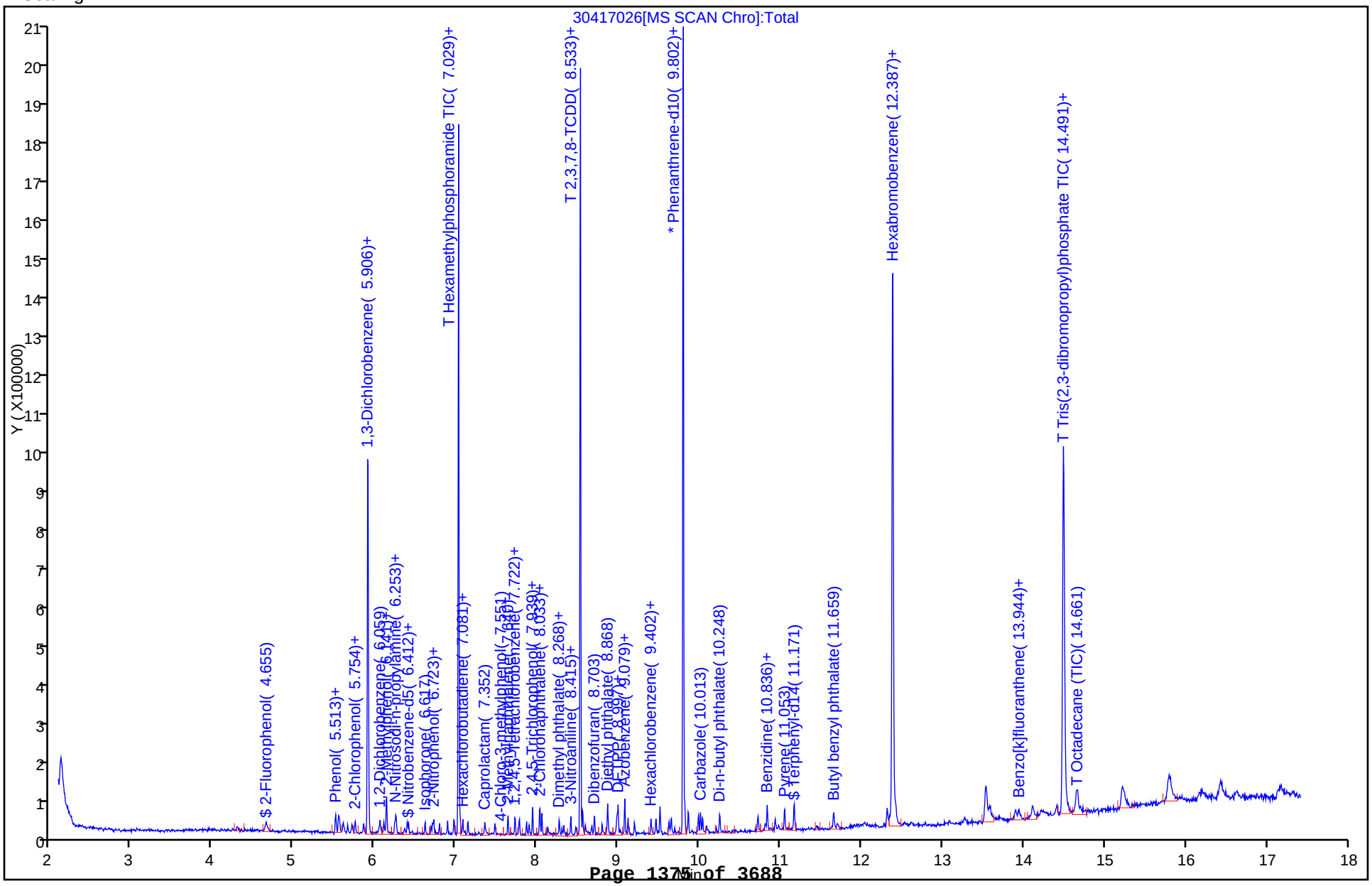
Report Date: 18-Apr-2013 14:10:23 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417026.D

Injection Date:	17-Apr-2013 19:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 18-Apr-2013 14:10:23 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

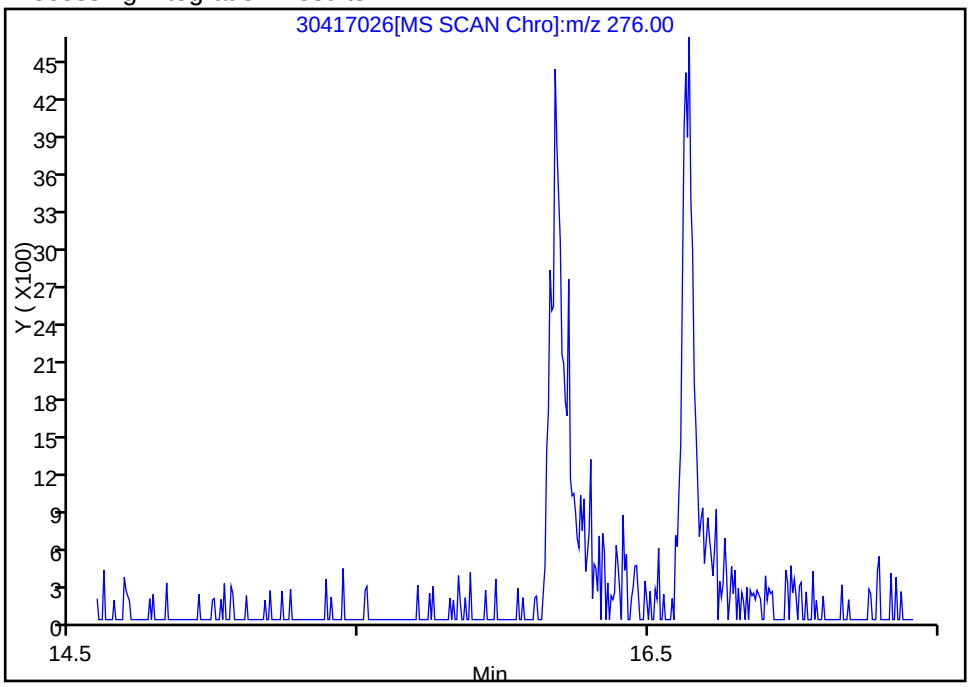
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417026.D		
Injection Date:	17-Apr-2013 19:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.19

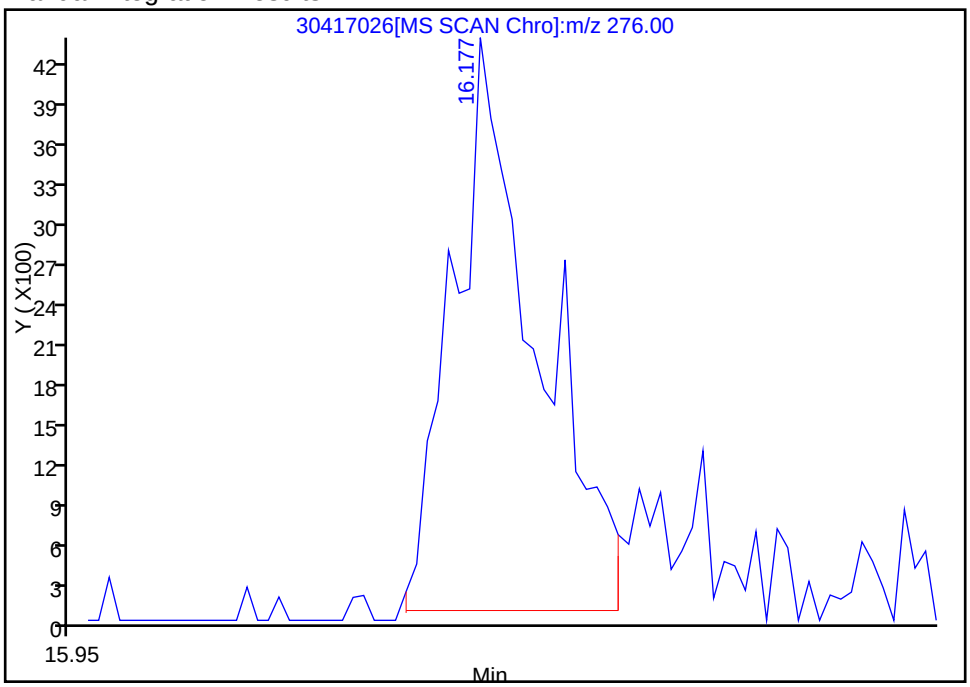
Processing Integration Results

Not Detected
Expected RT: 16.19



Manual Integration Results

RT: 16.18
Response: 13879
Amount: 0.088770



Reviewer: gruberj, 18-Apr-2013 13:38:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

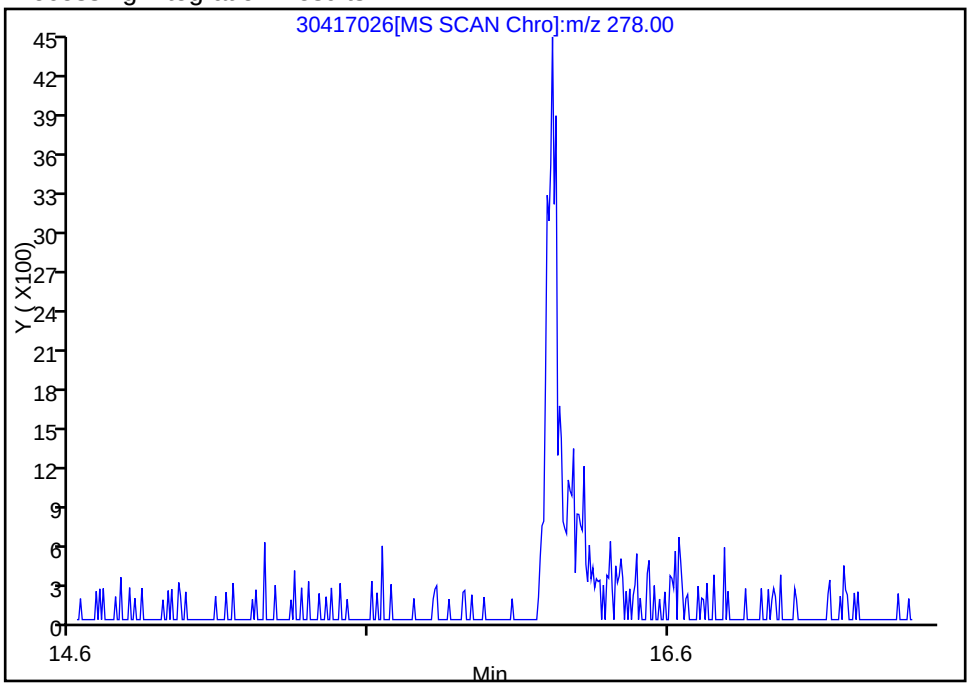
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417026.D		
Injection Date:	17-Apr-2013 19:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

191 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.22

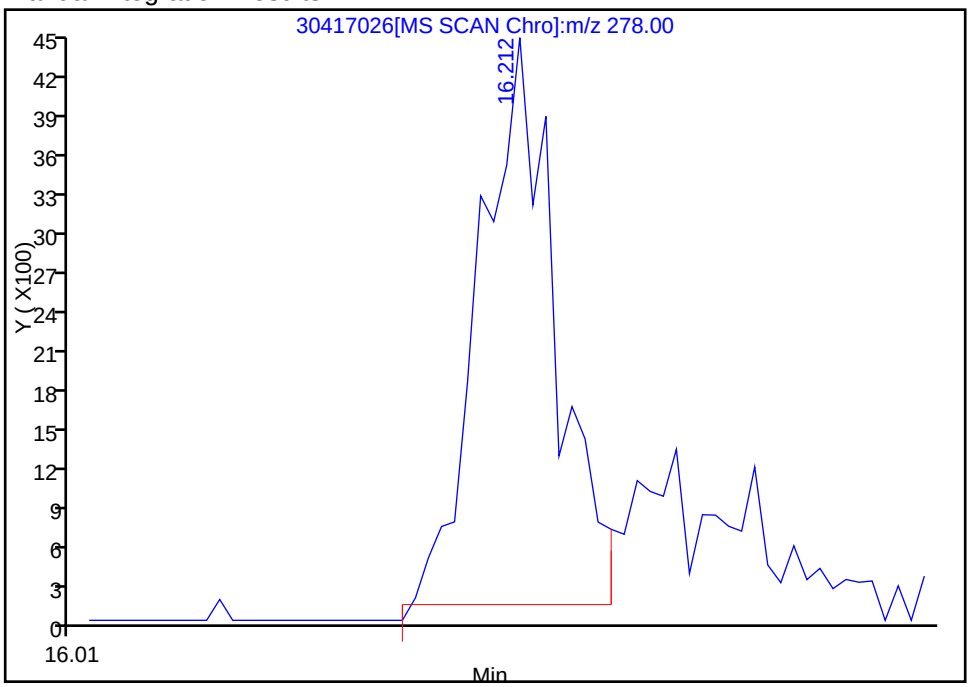
Processing Integration Results

Not Detected
Expected RT: 16.22



Manual Integration Results

RT: 16.21
Response: 10080
Amount: 0.077335



Reviewer: gruberj, 18-Apr-2013 13:38:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

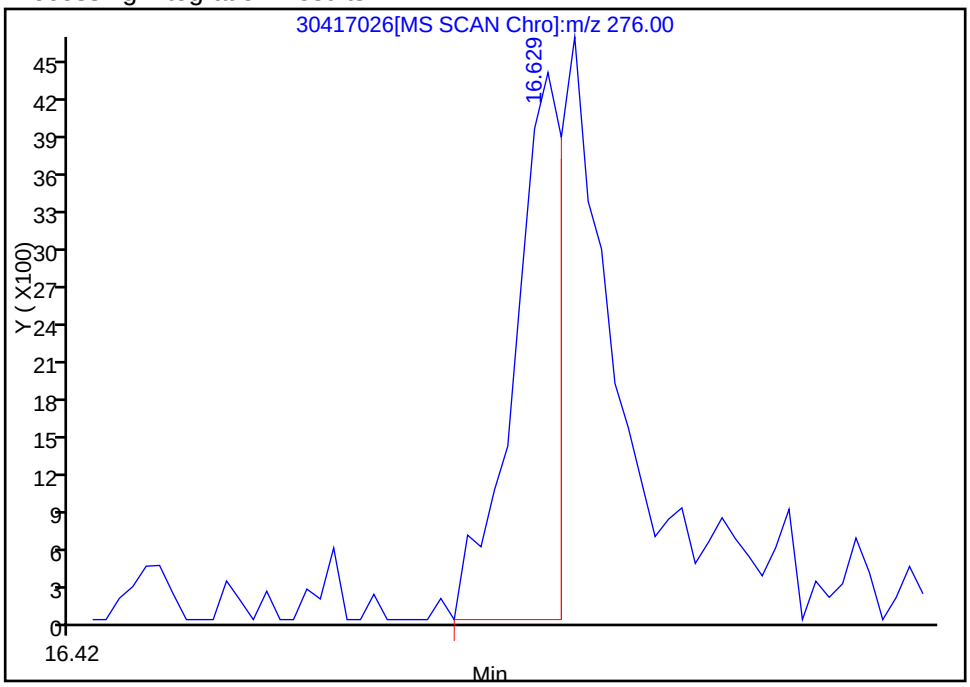
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417026.D		
Injection Date:	17-Apr-2013 19:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

192 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.65

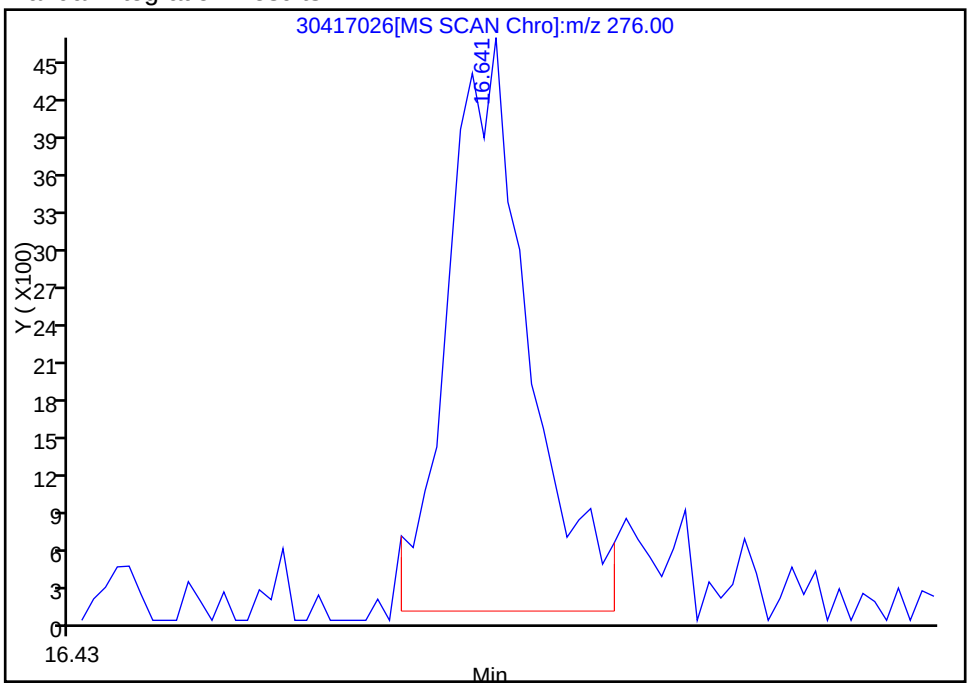
Processing Integration Results

RT: 16.63
Response: 6522
Amount: 0.048875



Manual Integration Results

RT: 16.64
Response: 12691
Amount: 0.095106



Reviewer: gruberj, 18-Apr-2013 13:38:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/17/2013 20:17

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1				0.452	0.500		
N-Nitrosodimethylamine	Ave	0.6668			0.481	0.500		
Pyridine	Ave	1.237			0.489	0.500		
Benzaldehyde	Ave	1.088			0.927	1.00		
Phenol	Ave	1.517			0.426	0.500		
Aniline	Ave	1.869			0.456	0.500		
Bis(2-chloroethyl)ether	Ave	1.174			0.459	0.500		
2-Chlorophenol	Ave	1.223			0.414	0.500		
1,3-Dichlorobenzene	Ave	1.322			0.503	0.500		
1,4-Dichlorobenzene	Ave	1.349			0.482	0.500		
Benzyl alcohol	Ave	0.7768			0.0778	0.500		
1,2-Dichlorobenzene	Ave	1.287			0.443	0.500		
2-Methylphenol	Ave	1.105			0.483	0.500		
bis (2-chloroisopropyl) ether	Ave	1.795			0.467	0.500		
3 & 4 Methylphenol	Ave	1.151			0.438	0.500		
N-Nitrosodi-n-propylamine	Ave	0.8241			0.412	0.500		
Acetophenone	Ave	1.716			0.461	0.500		
Hexachloroethane	Ave	0.5215			0.259	0.500		
Nitrobenzene	Ave	0.3401			0.474	0.500		
Isophorone	Ave	0.6103			0.417	0.500		
2-Nitrophenol	Ave	0.1624			0.417	0.500		
2,4-Dimethylphenol	Ave	0.3114			0.429	0.500		
Bis(2-chloroethoxy)methane	Ave	0.3595			0.472	0.500		
2,4-Dichlorophenol	Ave	0.2560			0.420	0.500		
1,2,4-Trichlorobenzene	Ave	0.2998			0.460	0.500		
Naphthalene	Ave	0.9279			0.447	0.500		
4-Chloroaniline	Ave	0.3867			0.459	0.500		
Hexachlorobutadiene	Ave	0.1834			0.455	0.500		
Caprolactam	Ave	0.0877			0.944	1.00		
4-Chloro-3-methylphenol	Ave	0.2736			0.426	0.500		
2-Methylnaphthalene	Ave	0.6242			0.444	0.500		
1,2,4,5-Tetrachlorobenzene	Ave	0.5309			0.466	0.500		
2,4,6-Trichlorophenol	Ave	0.3299			0.390	0.500		
2,4,5-Trichlorophenol	Ave	0.3422			0.429	0.500		
1,1'-Biphenyl	Ave	1.293			0.450	0.500		
2-Chloronaphthalene	Ave	0.9841			0.436	0.500		
2-Nitroaniline	Ave	0.3026			0.404	0.500		
Dimethyl phthalate	Ave	1.118			0.451	0.500		
2,6-Dinitrotoluene	Ave	0.2443			0.383	0.500		
Acenaphthylene	Ave	1.567			0.456	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/17/2013 20:17

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Lin1				0.622	0.500		
Acenaphthene	Ave	1.089			0.440	0.500		
2,4-Dinitrophenol	Qua				1.33	1.00		
4-Nitrophenol	Lin1				1.13	1.00		
2,4-Dinitrotoluene	Lin1				0.605	0.500		
Dibenzofuran	Ave	1.468			0.472	0.500		
Diethyl phthalate	Ave	1.155			0.456	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6282			0.484	0.500		
4-Nitroaniline	Ave	0.2737			0.450	0.500		
Fluorene	Ave	1.193			0.453	0.500		
4,6-Dinitro-2-methylphenol	Lin1				1.09	1.00		
N-Nitrosodiphenylamine	Ave	0.4728			0.901	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.6357			0.415	0.500		
4-Bromophenyl phenyl ether	Ave	0.1784			0.428	0.500		
Hexachlorobenzene	Ave	0.1808			0.492	0.500		
Atrazine	Ave	0.1794			0.906	1.00		
Pentachlorophenol	Lin1				1.08	1.00		
Phenanthrene	Ave	0.9275			0.449	0.500		
Anthracene	Ave	0.9222			0.446	0.500		
Carbazole	Ave	0.8498			0.448	0.500		
Di-n-butyl phthalate	Ave	1.040			0.433	0.500		
Fluoranthene	Ave	1.094			0.426	0.500		
Benzidine	Ave	0.4158			0.832	1.00		
Pyrene	Ave	1.033			0.451	0.500		
Butyl benzyl phthalate	Ave	0.3936			0.396	0.500		
3,3'-Dichlorobenzidine	Ave	0.3264			0.770	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.5537			0.375	0.500		
Benzo[a]anthracene	Ave	0.995			0.452	0.500		
Chrysene	Ave	0.9135			0.485	0.500		
Di-n-octyl phthalate	Lin1				0.643	0.500		
Benzo[b]fluoranthene	Ave	1.074			0.382	0.500		
Benzo[k]fluoranthene	Ave	1.168			0.425	0.500		
Benzo[a]pyrene	Ave	0.997			0.390	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.093			0.351	0.500		
Dibenz(a,h)anthracene	Ave	0.9115			0.333	0.500		
Benzo[g,h,i]perylene	Ave	0.9331			0.405	0.500		
Benzoic acid	Qua				0.0100	1.00		
Hexachlorocyclopentadiene	Ave	0.3175			0.000800	0.500		
2-Fluorophenol (Surr)	Ave	1.157			0.503	0.500	101	20-110
Phenol-d5 (Surr)	Ave	1.542			0.529	0.500	106	10-115

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/17/2013 20:17

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Nitrobenzene-d5 (Surr)	Ave	0.3740			0.436	0.500	87	40-110
2-Fluorobiphenyl (Surr)	Ave	1.290			0.474	0.500	95	50-110
2,4,6-Tribromophenol (Surr)	Ave	0.1463			0.528	0.500	106	40-125
Terphenyl-d14 (Surr)	Ave	0.7870			0.456	0.500	91	50-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D
Lims ID: mdll2 Client ID:
Inject. Date: 17-Apr-2013 20:17:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018951-027
Misc. Info.: MDLL2
Operator: 001710 Instrument ID: A4HP10
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 82293 Lims Sample ID: 27
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:50:43 Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj Date: 18-Apr-2013 10:45:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	98	183228	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	99	702708	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	94	433086	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	815695	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	85	855788	4.00	
* 6 Perylene-d12	264	14.496	14.497	-0.001	86	703490	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	87	26689	0.5035	
$ 8 Phenol-d5	99	5.548	5.548	0.0	86	37360	0.5288	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	90	28642	0.4359	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	97	66192	0.4740	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	71	8369	0.5282	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	97	76846	0.4564	
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
32 Malononitrile	66		2.451					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88	2.487	2.469	0.018	75	15972	0.4523	M
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					
26 N-Nitrosodimethylamine	74	2.939	2.939	0.0	78	14700	0.4813	M
27 Pyridine	79	3.022	2.986	0.036	85	27680	0.4886	M
38 2-Methylcyclohexanone	68	3.163	3.221	-0.058	1	274	0	
40 4-Methylcyclohexanone	55	3.262	3.221	0.041	1	1126	0	
39 3-Methylcyclohexanone	69	3.257	3.221	0.036	14	184	0	
232 1-Methyl-2-pyrrilidinone	99		3.351					
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110		4.161					149
31 N-Nitrosomethylethylamine	88		4.226					
22 3-Methylcatechol	124		4.460					19
34 Acrylamide	71	4.573	4.497	0.076	20	136	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					
17 4-Methylcatechol	124		4.583					19
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					9
41 Benzaldehyde	77	5.513	5.513	0.0	90	46218	0.9272	
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	96	29573	0.4256	
44 Aniline	93	5.607	5.607	0.0	93	38998	0.4556	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	87	24665	0.4586	
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128	5.713	5.713	0.0	95	23188	0.4138	
48 1,3-Dichlorobenzene	146	5.859	5.860	-0.001	96	30481	0.5032	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	89	29781	0.4818	
50 Benzyl alcohol	108	6.024	6.018	0.006	71	2768	0.0778	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	90	26123	0.4430	
127 Tributyl phosphate	99		6.089					9
52 2-Methylphenol	108	6.106	6.106	0.0	93	24437	0.4830	
53 Indene	115	6.141	6.142	-0.001	73	97697	0.9361	
54 2,2'-oxybis[1-chloropropane]	45	6.141	6.142	-0.001	41	38365	0.4666	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	93	23105	0.4382	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	92	15549	0.4119	
58 Acetophenone	105	6.259	6.259	0.0	90	36277	0.4615	
55 N-Nitrosopyrrolidine	100		6.277					
59 N-Nitrosomorpholine	56		6.312					9
60 2-Toluidine	106		6.330					
61 Hexachloroethane	117	6.365	6.365	0.0	86	6183	0.2588	
62 Nitrobenzene	77	6.412	6.412	0.0	86	28334	0.4742	
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82	6.617	6.617	0.0	96	44652	0.4165	
66 2-Nitrophenol	139	6.688	6.694	-0.006	92	11906	0.4174	
65 2,4-Dimethylphenol	107	6.705	6.706	-0.001	78	23485	0.4293	
70 Benzoic acid	122		6.764					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	94	29833	0.4724	
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162	6.894	6.894	0.0	93	18904	0.4203	
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	85	24240	0.4602	
74 Naphthalene	128	7.046	7.046	0.0	96	72935	0.4474	
75 4-Chloroaniline	127	7.082	7.082	0.0	90	31158	0.4586	
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225	7.146	7.146	0.0	88	14649	0.4546	
77 Hexachloropropene	213		7.158					
80 Benzothiazole	135		7.243					
81 Quinoline	129		7.364					9
83 Caprolactam	113	7.352	7.370	-0.018	70	14539	0.9436	
82 N-Nitrosodi-n-butylamine	84		7.387					
84 p-Phenylene diamine	108		7.411					9
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	89	20458	0.4257	
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142	7.640	7.640	0.0	86	48740	0.4445	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	82	46762	0.4547	
89 Hexachlorocyclopentadiene	237		7.769					9
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	90	26771	0.4657	
95 Isosafrole Peak 1	162		7.834					9
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	86	13930	0.3899	
94 2,4,5-Trichlorophenol	196	7.898	7.904	-0.006	93	15877	0.4285	
96 3,4-Dichloronitrobenzene	109		7.967					
91 Isosafrole Peak 2	162		8.028					9
98 1,1'-Biphenyl	154	8.033	8.033	0.0	94	63020	0.4500	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	95	46408	0.4355	
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162		8.116					
102 2-Nitroaniline	65	8.127	8.133	-0.006	68	13251	0.4044	
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163	8.268	8.274	-0.006	96	54655	0.4514	
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	79	6414	0.5306	
107 2,6-Dinitrotoluene	165	8.327	8.333	-0.006	84	10136	0.3832	
109 Acenaphthylene	152	8.415	8.415	0.0	94	77292	0.4555	
110 3-Nitroaniline	138	8.474	8.480	-0.006	90	11787	0.6225	
112 Acenaphthene	153	8.556	8.562	-0.006	95	51845	0.4397	
111 2,4-Dinitrophenol	184	8.562	8.568	-0.006	43	2713	1.33	
113 4-Nitrophenol	109	8.592	8.598	-0.006	92	11039	1.13	
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	87	13151	0.6051	
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168	8.703	8.709	-0.006	85	74983	0.4718	
119 2,3,4,6-Tetrachlorophenol	232	8.797	8.797	0.0	70	13275	0.4102	
117 2,3,5,6-Tetrachlorophenol	232	8.797	8.798	-0.001	88	13275	0.7169	
118 1-Naphthylamine	143		8.803					
121 Diethyl phthalate	149	8.868	8.868	0.0	97	56976	0.4557	
120 2-Naphthylamine	143		8.874					
122 Thionazin	97		8.974					9
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	84	32888	0.4836	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166	8.997	8.997	0.0	86	58534	0.4530	
125 4-Nitroaniline	138	8.991	8.997	-0.006	79	13347	0.4504	
128 4,6-Dinitro-2-methylphenol	198	9.015	9.021	-0.006	70	6922	1.09	
124 N-Nitro-o-toluidine	152		9.033					
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	88	86848	0.9008	
130 Diphenylamine	169	9.079	9.115	-0.036	92	86848	0.7671	
132 Azobenzene	77	9.120	9.120	0.0	94	53767	0.4148	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	92	53767	0.4148	
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					
135 Diallate Peak 1	86		9.356					9
136 Phenacetin	108		9.362					9
137 Phorate	121		9.367					9
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	61	15557	0.4276	
138 Diallate Peak 2	86		9.438					
141 Hexachlorobenzene	284	9.467	9.467	0.0	85	18131	0.4917	
140 Dimethoate	87		9.514					9
142 Atrazine	200	9.514	9.520	-0.006	90	33152	0.9063	
144 Pentachlorophenol	266	9.626	9.626	0.0	83	15722	1.08	
143 4-Aminobiphenyl	169		9.661					9
146 Pentachloronitrobenzene	237		9.673					9
145 Pronamide	173		9.691					9
148 Dinoseb	211		9.802					
147 Disulfoton	88		9.808					
149 Phenanthrene	178	9.820	9.820	0.0	95	84879	0.4488	
150 Anthracene	178	9.861	9.867	-0.006	93	83922	0.4463	
151 DFTPP								
152 Carbazole	167	9.990	9.990	0.0	86	77578	0.4477	
153 Methyl parathion	109		10.131					
154 Diphenylsulfone	125		10.147					
155 Di-n-butyl phthalate	149	10.248	10.254	-0.006	100	91867	0.4334	
156 Ethyl Parathion	97		10.454					
157 4-Nitroquinoline-1-oxide	190		10.507					
158 Methapyrilene	58		10.554					
159 Isodrin	66		10.748					9
160 Fluoranthene	202	10.836	10.836	0.0	97	95101	0.4262	
161 Benzidine	184	10.936	10.936	0.0	96	73998	0.8318	
162 Pyrene	202	11.048	11.054	-0.006	93	99699	0.4511	
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					
163 Aramite Peak 1	185		11.171					9
164 Aramite Peak 2	185		11.242					9
165 p-Dimethylamino azobenzene	225		11.353					9
166 Chlorobenzilate	139		11.389					9
167 4,4'-DDD	235		11.447					9
28 Ethyl methacrylate	69		11.477					9
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	92	33335	0.3959	
171 3,3'-Dimethylbenzidine	212		11.712					
172 4,4'-DDT	235		11.782					9
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232	12.381	12.319	0.062	1	35104	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
177 3,3'-Dichlorobenzidine	252	12.317	12.323	-0.006	65	53766	0.7700	
175 Bis(2-ethylhexyl) phthalate	149	12.346	12.352	-0.006	93	44445	0.3752	
179 Benzo[a]anthracene	228	12.370	12.376	-0.006	83	96201	0.4518	
176 4,4'-Methylene bis(2-chloroanili	231		12.382					9
180 Chrysene	228	12.422	12.423	-0.001	87	94740	0.4848	
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149	13.274	13.280	-0.006	95	57250	0.6426	
184 Benzo[b]fluoranthene	252	13.903	13.909	-0.006	86	72047	0.3816	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	95	87239	0.4248	
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	64	68278	0.3895	
187 3-Methylcholanthrene	268		15.037					
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276	16.183	16.189	-0.006	91	67415	0.3506	M
191 Dibenz(a,h)anthracene	278	16.206	16.218	-0.012	34	53358	0.3329	
192 Benzo[g,h,i]perylene	276	16.641	16.647	-0.006	89	66467	0.4050	
S 193 Methyl Phenols,Total	100				0		0.9212	
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57	5.748	0.0	5.748	90	31803	0	
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	4.155	4.004	0.155	0	146	0	
T 200 Hexamethylphosphoramide TIC	135	7.270	7.206	0.070	14	309	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					
T 19 2,3,7,8-TCDD	320	8.962	8.808	0.162	1	128	0	
T 199 Octadecane (TIC)	254	9.649	9.605	0.049	94	33535	0	
T 241 Triphenyl Phosphate TIC	326	13.063	12.261	0.813	0	69	0	
T 240 Tricresyl phosphate TIC	368	12.558	12.762	-0.192	0	148	0	
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.502	14.511	0.002	0	117	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

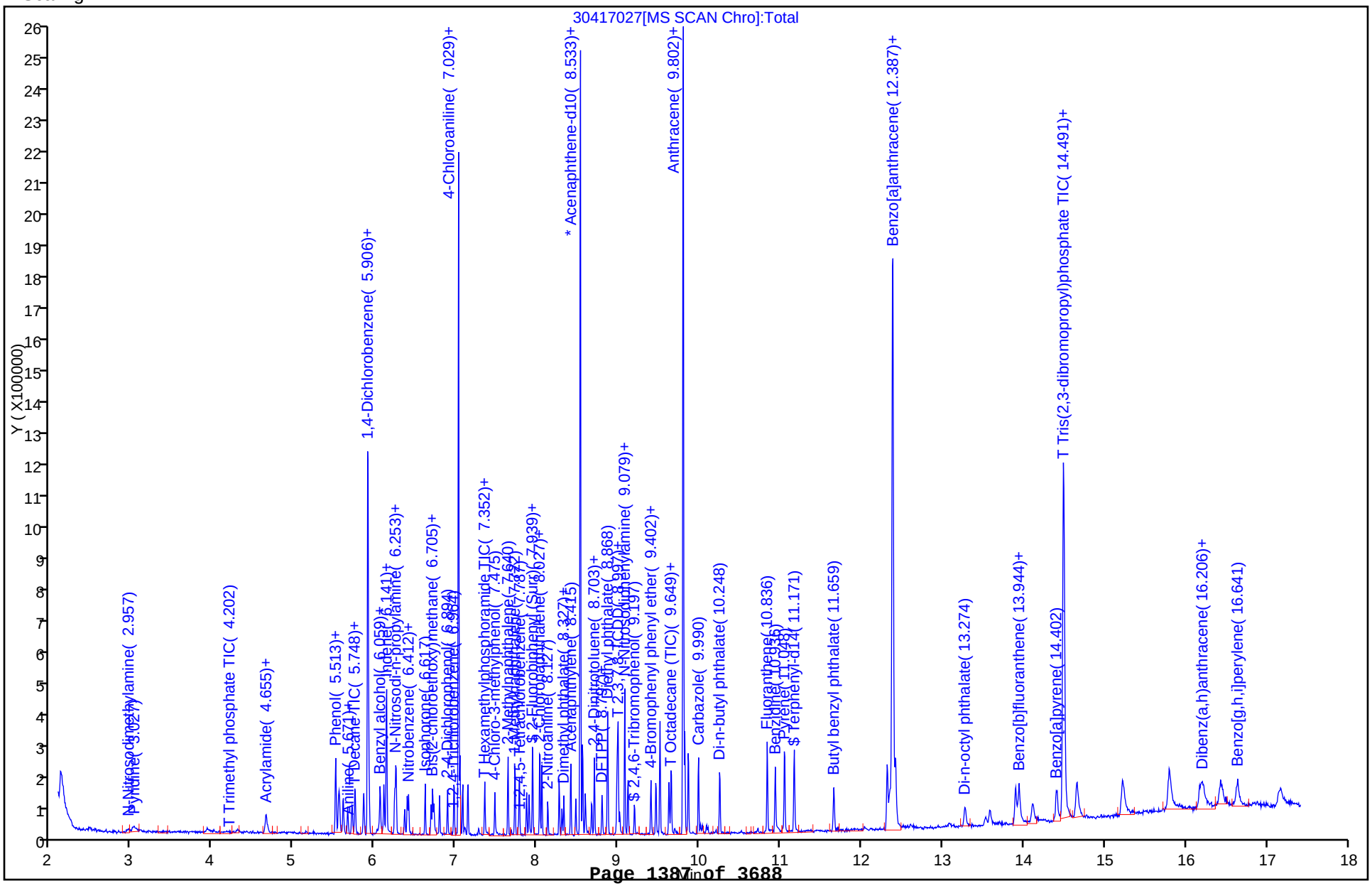
Report Date: 18-Apr-2013 14:10:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D

Injection Date:	17-Apr-2013 20:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

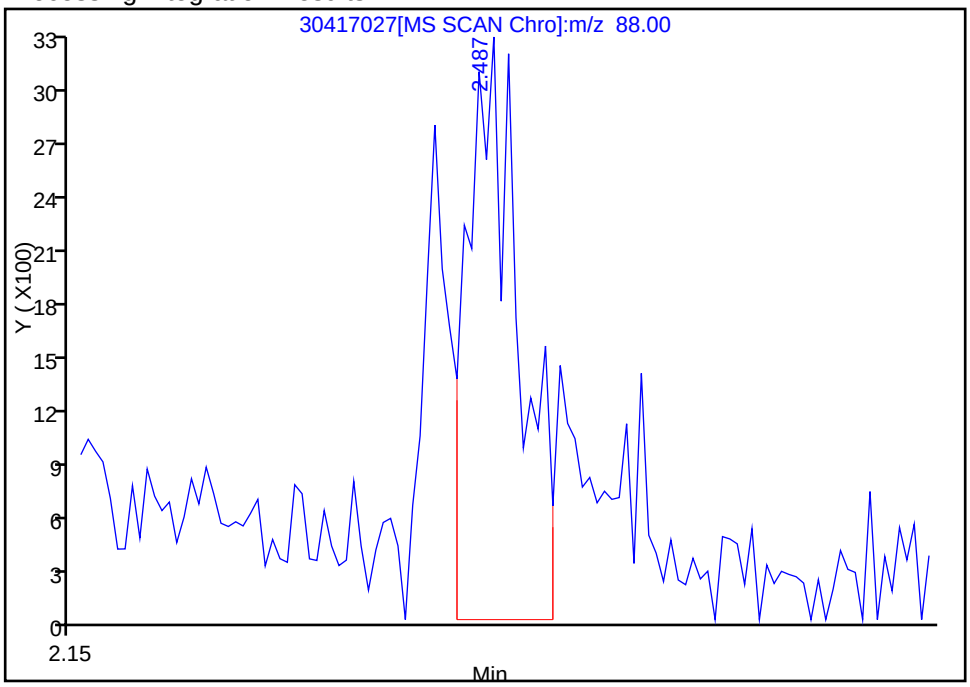
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D		
Injection Date:	17-Apr-2013 20:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	27
Operator ID:	001710	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: 2.47

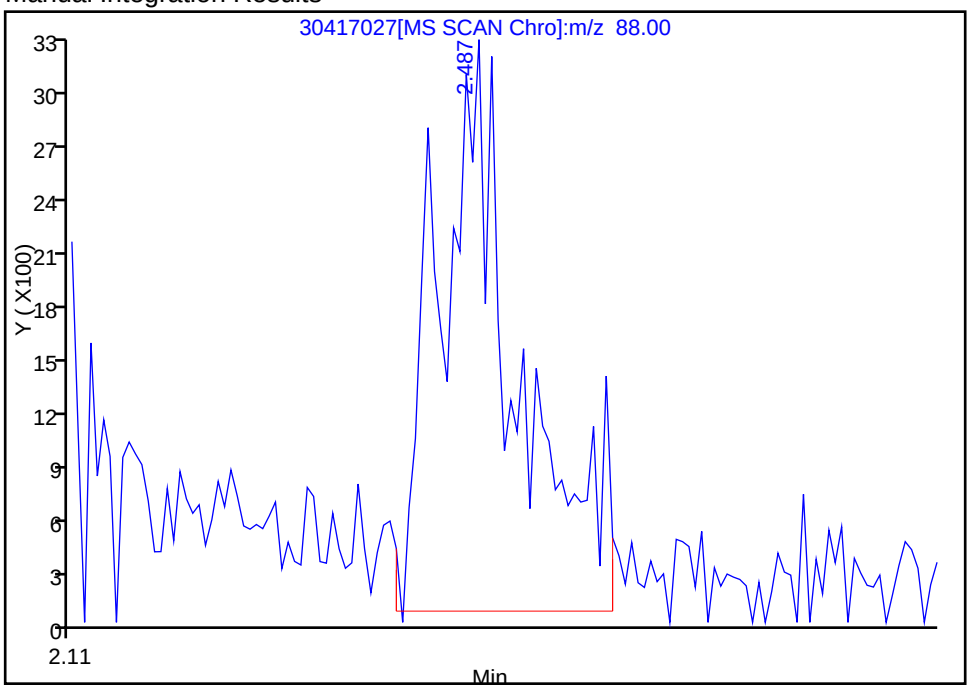
Processing Integration Results

RT: 2.49
Response: 9268
Amount: 0.180867



Manual Integration Results

RT: 2.49
Response: 15972
Amount: 0.452330



Reviewer: gruberj, 18-Apr-2013 13:34:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

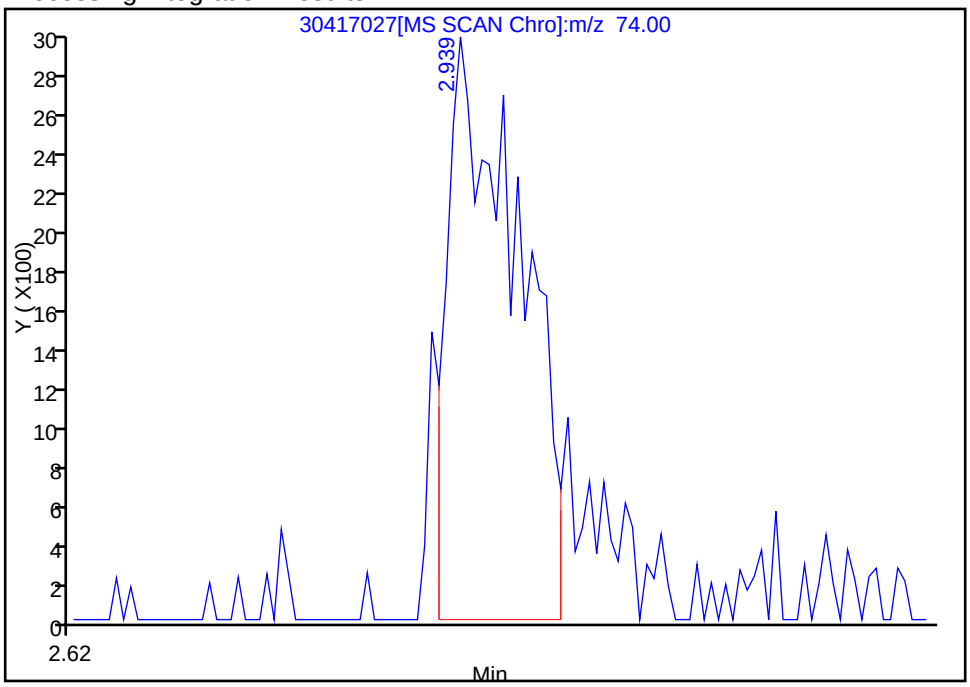
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D		
Injection Date:	17-Apr-2013 20:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.94

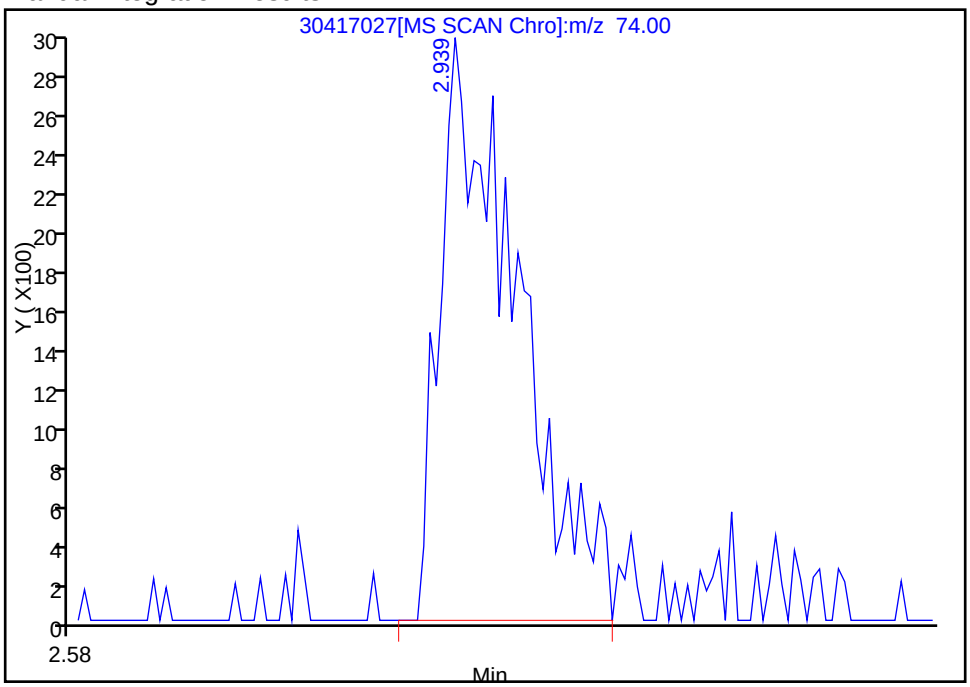
Processing Integration Results

RT: 2.94
Response: 12171
Amount: 0.398469



Manual Integration Results

RT: 2.94
Response: 14700
Amount: 0.481267



Reviewer: gruberj, 18-Apr-2013 13:34:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 18-Apr-2013 14:10:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

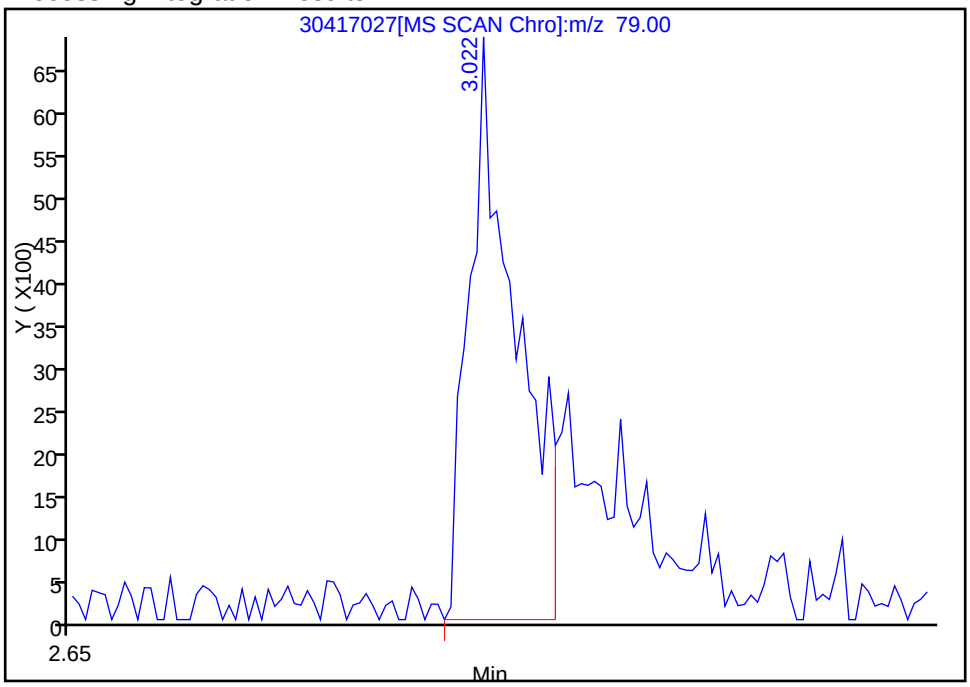
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D		
Injection Date:	17-Apr-2013 20:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	27
Operator ID:	001710	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: 2.99

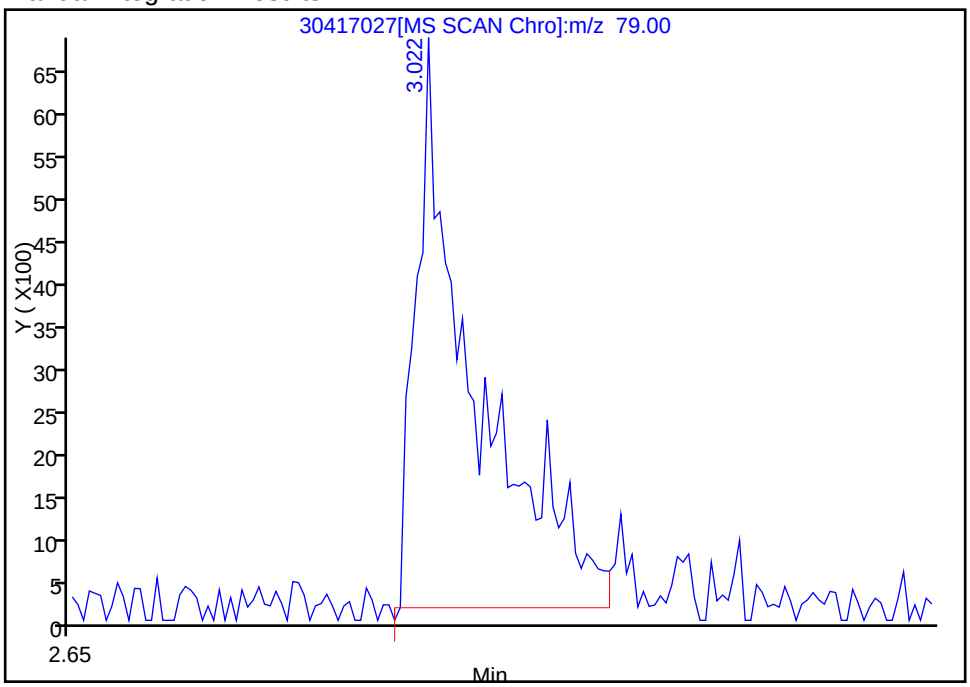
Processing Integration Results

RT: 3.02
Response: 20094
Amount: 0.354694



Manual Integration Results

RT: 3.02
Response: 27680
Amount: 0.488600



Reviewer: gruberj, 18-Apr-2013 13:34:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

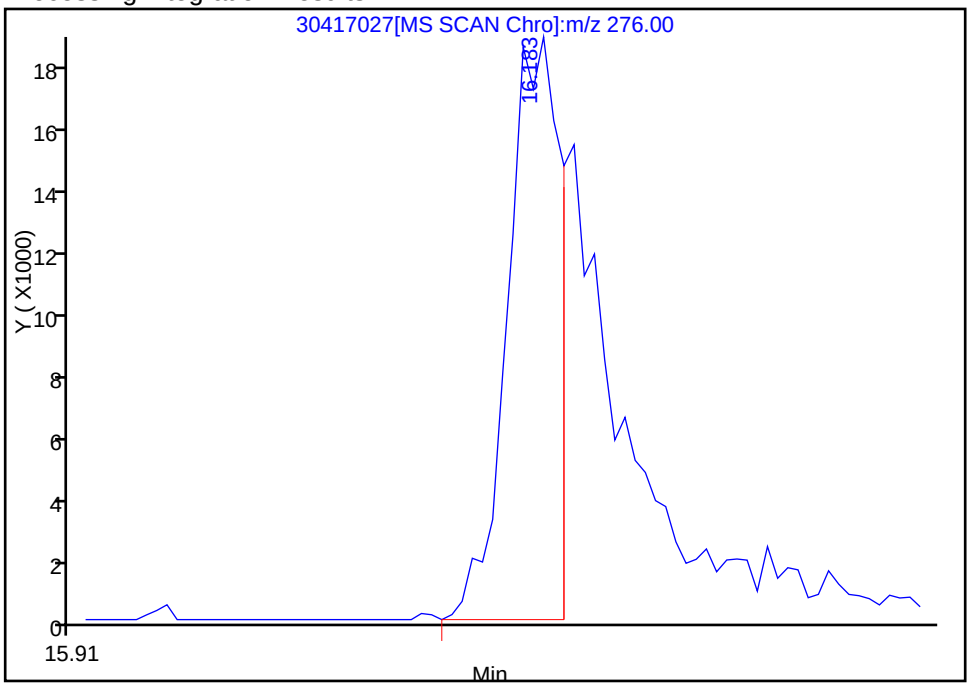
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417027.D		
Injection Date:	17-Apr-2013 20:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.19

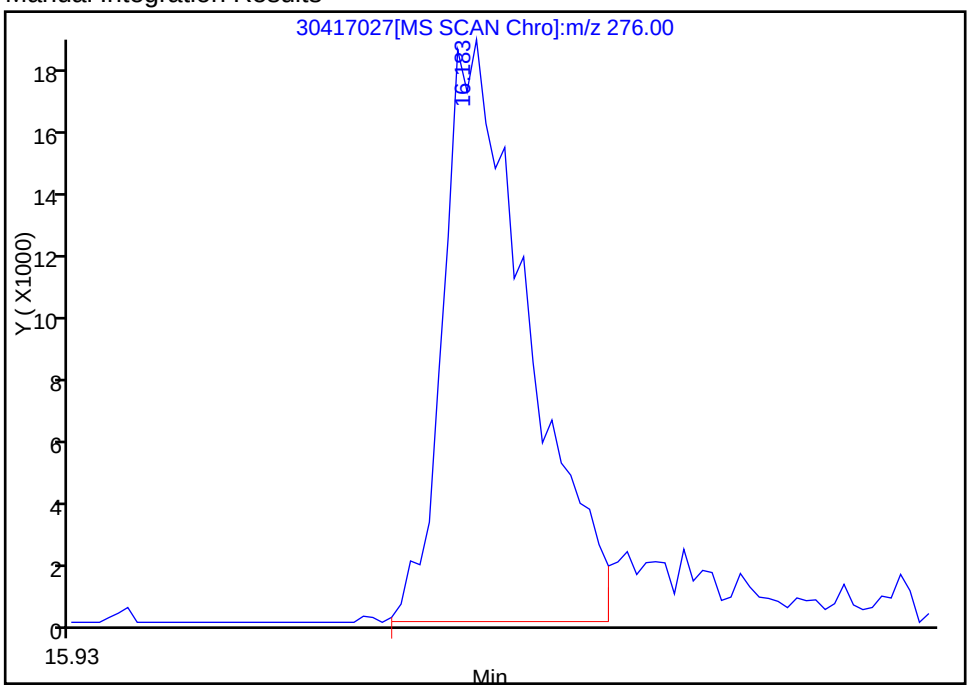
Processing Integration Results

RT: 16.18
Response: 39528
Amount: 0.205572



Manual Integration Results

RT: 16.18
Response: 67415
Amount: 0.350604



Reviewer: gruberj, 18-Apr-2013 13:34:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/17/2013 20:40

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1				0.754	1.00		
N-Nitrosodimethylamine	Ave	0.6668			0.846	1.00		
Pyridine	Ave	1.237			0.870	1.00		
Benzaldehyde	Ave	1.088			1.80	2.00		
Phenol	Ave	1.517			0.922	1.00		
Aniline	Ave	1.869			0.918	1.00		
Bis(2-chloroethyl)ether	Ave	1.174			0.922	1.00		
2-Chlorophenol	Ave	1.223			0.920	1.00		
1,3-Dichlorobenzene	Ave	1.322			0.945	1.00		
1,4-Dichlorobenzene	Ave	1.349			0.943	1.00		
Benzyl alcohol	Ave	0.7768			0.355	1.00		
1,2-Dichlorobenzene	Ave	1.287			0.926	1.00		
2-Methylphenol	Ave	1.105			0.970	1.00		
bis (2-chloroisopropyl) ether	Ave	1.795			0.916	1.00		
3 & 4 Methylphenol	Ave	1.151			0.919	1.00		
N-Nitrosodi-n-propylamine	Ave	0.8241			0.921	1.00		
Acetophenone	Ave	1.716			0.934	1.00		
Hexachloroethane	Ave	0.5215			0.611	1.00		
Nitrobenzene	Ave	0.3401			0.868	1.00		
Isophorone	Ave	0.6103			0.944	1.00		
2-Nitrophenol	Ave	0.1624			0.862	1.00		
2,4-Dimethylphenol	Ave	0.3114			0.983	1.00		
Benzoic acid	Qua				1.96	2.00		
Bis(2-chloroethoxy)methane	Ave	0.3595			0.937	1.00		
2,4-Dichlorophenol	Ave	0.2560			0.940	1.00		
1,2,4-Trichlorobenzene	Ave	0.2998			0.989	1.00		
Naphthalene	Ave	0.9279			0.926	1.00		
4-Chloroaniline	Ave	0.3867			0.957	1.00		
Hexachlorobutadiene	Ave	0.1834			1.00	1.00		
Caprolactam	Ave	0.0877			1.97	2.00		
4-Chloro-3-methylphenol	Ave	0.2736			0.882	1.00		
2-Methylnaphthalene	Ave	0.6242			0.943	1.00		
Hexachlorocyclopentadiene	Ave	0.3175			0.112	1.00		
1,2,4,5-Tetrachlorobenzene	Ave	0.5309			0.984	1.00		
2,4,6-Trichlorophenol	Ave	0.3299			0.864	1.00		
2,4,5-Trichlorophenol	Ave	0.3422			0.956	1.00		
1,1'-Biphenyl	Ave	1.293			0.934	1.00		
2-Chloronaphthalene	Ave	0.9841			0.953	1.00		
2-Nitroaniline	Ave	0.3026			0.855	1.00		
Dimethyl phthalate	Ave	1.118			0.976	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/17/2013 20:40

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2443			0.864	1.00		
Acenaphthylene	Ave	1.567			0.953	1.00		
3-Nitroaniline	Lin1				1.04	1.00		
Acenaphthene	Ave	1.089			0.976	1.00		
2,4-Dinitrophenol	Qua				1.60	2.00		
4-Nitrophenol	Lin1				1.83	2.00		
2,4-Dinitrotoluene	Lin1				0.970	1.00		
Dibenzofuran	Ave	1.468			0.946	1.00		
Diethyl phthalate	Ave	1.155			0.956	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6282			0.951	1.00		
4-Nitroaniline	Ave	0.2737			1.00	1.00		
Fluorene	Ave	1.193			0.952	1.00		
4,6-Dinitro-2-methylphenol	Lin1				1.53	2.00		
N-Nitrosodiphenylamine	Ave	0.4728			1.90	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.6357			0.848	1.00		
4-Bromophenyl phenyl ether	Ave	0.1784			0.992	1.00		
Hexachlorobenzene	Ave	0.1808			0.955	1.00		
Atrazine	Ave	0.1794			1.92	2.00		
Pentachlorophenol	Lin1				1.90	2.00		
Phenanthrene	Ave	0.9275			0.944	1.00		
Anthracene	Ave	0.9222			0.933	1.00		
Carbazole	Ave	0.8498			0.923	1.00		
Di-n-butyl phthalate	Ave	1.040			0.971	1.00		
Fluoranthene	Ave	1.094			0.906	1.00		
Benzidine	Ave	0.4158			1.95	2.00		
Pyrene	Ave	1.033			0.947	1.00		
Butyl benzyl phthalate	Ave	0.3936			0.889	1.00		
3,3'-Dichlorobenzidine	Ave	0.3264			1.74	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.5537			0.845	1.00		
Benzo[a]anthracene	Ave	0.995			0.911	1.00		
Chrysene	Ave	0.9135			0.964	1.00		
Di-n-octyl phthalate	Lin1				0.978	1.00		
Benzo[b]fluoranthene	Ave	1.074			0.771	1.00		
Benzo[k]fluoranthene	Ave	1.168			0.996	1.00		
Benzo[a]pyrene	Ave	0.997			0.912	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.093			0.787	1.00		
Dibenz(a,h)anthracene	Ave	0.9115			0.795	1.00		
Benzo[g,h,i]perylene	Ave	0.9331			0.824	1.00		
2-Fluorophenol (Surr)	Ave	1.157			0.869	1.00	87	20-110
Phenol-d5 (Surr)	Ave	1.542			0.922	1.00	92	10-115

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/17/2013 20:40

Instrument ID: A4HP10 Calib Start Date: 04/11/2013 18:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/11/2013 21:19

Lab File ID: 30417028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Nitrobenzene-d5 (Surr)	Ave	0.3740			0.831	1.00	83	40-110
2-Fluorobiphenyl (Surr)	Ave	1.290			0.918	1.00	92	50-110
2,4,6-Tribromophenol (Surr)	Ave	0.1463			0.875	1.00	88	40-125
Terphenyl-d14 (Surr)	Ave	0.7870			0.893	1.00	89	50-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417028.D		
Lims ID:	mdll3	Client ID:	
Inject. Date:	17-Apr-2013 20:40:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0018951-028		
Misc. Info.:	MDLL3		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	82293	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m		
Last Update:	18-Apr-2013 13:50:43	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK023		
First Level Reviewer: gruberj		Date:	18-Apr-2013 10:43:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	97	167136	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	99	627709	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	91	388666	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	742587	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	98	784481	4.00	
* 6 Perylene-d12	264	14.497	14.497	0.0	94	628754	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	87	42006	0.8687	
$ 8 Phenol-d5	99	5.548	5.548	0.0	94	59440	0.9223	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	90	48803	0.8315	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	98	115022	0.9179	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	86	12446	0.8753	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	96	137852	0.8931	
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
32 Malononitrile	66		2.451					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88	2.475	2.469	0.006	75	21368	0.7541	M
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					
26 N-Nitrosodimethylamine	74	2.945	2.939	0.006	0	23581	0.8464	M
27 Pyridine	79	3.004	2.986	0.018	92	44980	0.8704	
38 2-Methylcyclohexanone	68	3.092	3.221	-0.129	1	416	0	
40 4-Methylcyclohexanone	55	3.198	3.221	-0.023	1	1802	0	
39 3-Methylcyclohexanone	69	3.092	3.221	-0.129	1	63	0	
232 1-Methyl-2-pyrrilidinone	99		3.351					
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110		4.161					19
31 N-Nitrosomethylethylamine	88		4.226					
22 3-Methylcatechol	124		4.460					149
34 Acrylamide	71	4.526	4.497	0.029	3	63	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					9
17 4-Methylcatechol	124		4.583					149
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					
41 Benzaldehyde	77	5.513	5.513	0.0	88	81654	1.80	
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	95	58442	0.9220	
44 Aniline	93	5.607	5.607	0.0	95	71646	0.9177	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	94	45248	0.9222	
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128	5.713	5.713	0.0	94	47010	0.9196	
48 1,3-Dichlorobenzene	146	5.859	5.860	-0.001	97	52240	0.9454	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	91	53162	0.9429	
50 Benzyl alcohol	108	6.024	6.018	0.006	88	11534	0.3554	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	93	49829	0.9264	
127 Tributyl phosphate	99		6.089					9
52 2-Methylphenol	108	6.106	6.106	0.0	97	44774	0.9701	
53 Indene	115	6.142	6.142	0.0	75	175275	1.84	
54 2,2'-oxybis[1-chloropropane]	45	6.142	6.142	0.0	55	68702	0.9161	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	98	44186	0.9187	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	88	31719	0.9212	
58 Acetophenone	105	6.259	6.259	0.0	94	66979	0.9341	
55 N-Nitrosopyrrolidine	100		6.277					
59 N-Nitrosomorpholine	56		6.312					9
60 2-Toluidine	106		6.330					
61 Hexachloroethane	117	6.365	6.365	0.0	89	13318	0.6112	
62 Nitrobenzene	77	6.412	6.412	0.0	86	46335	0.8682	
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82	6.617	6.617	0.0	95	90374	0.9437	
66 2-Nitrophenol	139	6.688	6.694	-0.006	97	21951	0.8616	
65 2,4-Dimethylphenol	107	6.706	6.706	0.0	88	48036	0.9830	
70 Benzoic acid	122	6.729	6.764	-0.035	79	37632	1.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	98	52840	0.9367	
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162	6.894	6.894	0.0	92	37752	0.9396	
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	94	46518	0.9886	
74 Naphthalene	128	7.046	7.046	0.0	97	134870	0.9262	
75 4-Chloroaniline	127	7.082	7.082	0.0	87	58096	0.9574	
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225	7.146	7.146	0.0	89	28786	1.00	
77 Hexachloropropene	213		7.158					
80 Benzothiazole	135		7.243					
81 Quinoline	129		7.364					
83 Caprolactam	113	7.352	7.370	-0.018	74	27098	1.97	
82 N-Nitrosodi-n-butylamine	84		7.387					
84 p-Phenylene diamine	108		7.411					9
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	92	37851	0.8817	
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142	7.640	7.640	0.0	84	92366	0.9429	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	83	85926	0.9354	
89 Hexachlorocyclopentadiene	237	7.763	7.769	-0.006	41	3447	0.1117	
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	90	50758	0.9839	
95 Isosafrole Peak 1	162		7.834					9
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	87	27687	0.8636	
94 2,4,5-Trichlorophenol	196	7.898	7.904	-0.006	96	31793	0.9562	
96 3,4-Dichloronitrobenzene	109		7.967					
91 Isosafrole Peak 2	162		8.028					9
98 1,1'-Biphenyl	154	8.028	8.033	-0.005	97	117406	0.9343	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	94	91109	0.9528	
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162		8.116					
102 2-Nitroaniline	65	8.127	8.133	-0.006	79	25150	0.8553	
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163	8.268	8.274	-0.006	98	106094	0.9763	
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	78	12876	0.9588	
107 2,6-Dinitrotoluene	165	8.327	8.333	-0.006	85	20520	0.8645	
109 Acenaphthylene	152	8.415	8.415	0.0	92	145044	0.9525	
110 3-Nitroaniline	138	8.474	8.480	-0.006	86	22795	1.04	
112 Acenaphthene	153	8.556	8.562	-0.006	89	103243	0.9756	
111 2,4-Dinitrophenol	184	8.562	8.568	-0.006	56	6971	1.60	
113 4-Nitrophenol	109	8.592	8.598	-0.006	92	21515	1.83	
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	90	24977	0.9697	
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168	8.703	8.709	-0.006	88	134970	0.9464	
119 2,3,4,6-Tetrachlorophenol	232		8.797					
117 2,3,5,6-Tetrachlorophenol	232	8.797	8.798	-0.001	84	24564	1.08	
118 1-Naphthylamine	143		8.803					9
121 Diethyl phthalate	149	8.868	8.868	0.0	97	107264	0.9559	
120 2-Naphthylamine	143		8.874					9
122 Thionazin	97		8.974					9
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	89	58033	0.9508	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166	8.997	8.997	0.0	86	110337	0.9516	
125 4-Nitroaniline	138	8.991	8.997	-0.006	80	26697	1.00	
128 4,6-Dinitro-2-methylphenol	198	9.021	9.021	0.0	81	17952	1.53	
124 N-Nitro-o-toluidine	152		9.033					9
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	98	166771	1.90	
130 Diphenylamine	169	9.079	9.115	-0.036	89	166771	1.62	
132 Azobenzene	77	9.120	9.120	0.0	98	100465	0.8513	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	95	100050	0.8478	
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					
135 Diallate Peak 1	86		9.356					
136 Phenacetin	108		9.362					9
137 Phorate	121		9.367					9
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	66	32841	0.99	
138 Diallate Peak 2	86		9.438					
141 Hexachlorobenzene	284	9.467	9.467	0.0	89	32060	0.9551	
140 Dimethoate	87		9.514					9
142 Atrazine	200	9.514	9.520	-0.006	91	63991	1.92	
144 Pentachlorophenol	266	9.626	9.626	0.0	90	34611	1.90	
143 4-Aminobiphenyl	169		9.661					9
146 Pentachloronitrobenzene	237		9.673					9
145 Pronamide	173		9.691					9
148 Dinoseb	211		9.802					9
147 Disulfoton	88		9.808					9
149 Phenanthrene	178	9.820	9.820	0.0	93	162595	0.9443	
150 Anthracene	178	9.867	9.867	0.0	97	159687	0.9328	
151 DFTPP								
152 Carbazole	167	9.990	9.990	0.0	83	145623	0.9230	
153 Methyl parathion	109		10.131					
154 Diphenylsulfone	125		10.147					
155 Di-n-butyl phthalate	149	10.254	10.254	0.0	100	187341	0.9707	
156 Ethyl Parathion	97		10.454					9
157 4-Nitroquinoline-1-oxide	190		10.507					
158 Methapyrilene	58		10.554					
159 Isodrin	66		10.748					9
160 Fluoranthene	202	10.836	10.836	0.0	98	184056	0.9062	
161 Benzidine	184	10.936	10.936	0.0	98	159045	1.95	
162 Pyrene	202	11.053	11.054	-0.001	96	191896	0.9472	
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					
163 Aramite Peak 1	185		11.171					9
164 Aramite Peak 2	185		11.242					9
165 p-Dimethylamino azobenzene	225		11.353					9
166 Chlorobenzilate	139		11.389					
167 4,4'-DDD	235		11.447					9
28 Ethyl methacrylate	69		11.477					9
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	93	68622	0.8891	
171 3,3'-Dimethylbenzidine	212		11.712					
172 4,4'-DDT	235		11.782					
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232		12.319					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
177 3,3'-Dichlorobenzidine	252	12.323	12.323	0.0	67	111433	1.74	
175 Bis(2-ethylhexyl) phthalate	149	12.352	12.352	0.0	91	91749	0.8449	
179 Benzo[a]anthracene	228	12.375	12.376	-0.001	88	177811	0.9110	
176 4,4'-Methylene bis(2-chloroanili	231		12.382					9
180 Chrysene	228	12.422	12.423	-0.001	92	172760	0.9643	
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149	13.280	13.280	0.0	99	119185	0.9781	
184 Benzo[b]fluoranthene	252	13.903	13.909	-0.006	91	130064	0.7708	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	87	182843	1.00	
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	72	142865	0.9119	
187 3-Methylcholanthrene	268		15.037					9
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276	16.177	16.189	-0.012	93	135265	0.7871	
191 Dibenz(a,h)anthracene	278	16.212	16.218	-0.006	70	113867	0.7948	
192 Benzo[g,h,i]perylene	276	16.641	16.647	-0.006	89	120904	0.8243	
S 193 Methyl Phenols,Total	100				0		1.89	
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57	5.754	0.0	5.754	90	57675	0	
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	3.915	4.004	-0.085	0	163	0	
T 200 Hexamethylphosphoramide TIC	135	7.029	7.206	-0.171	6	55245	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					
T 19 2,3,7,8-TCDD	320		8.800					1
T 199 Octadecane (TIC)	254	9.649	9.605	0.049	97	65168	0	
T 241 Triphenyl Phosphate TIC	326		12.250					1
T 240 Tricresyl phosphate TIC	368	12.957	12.762	0.207	0	155	0	
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.491	14.511	-0.009	0	121	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

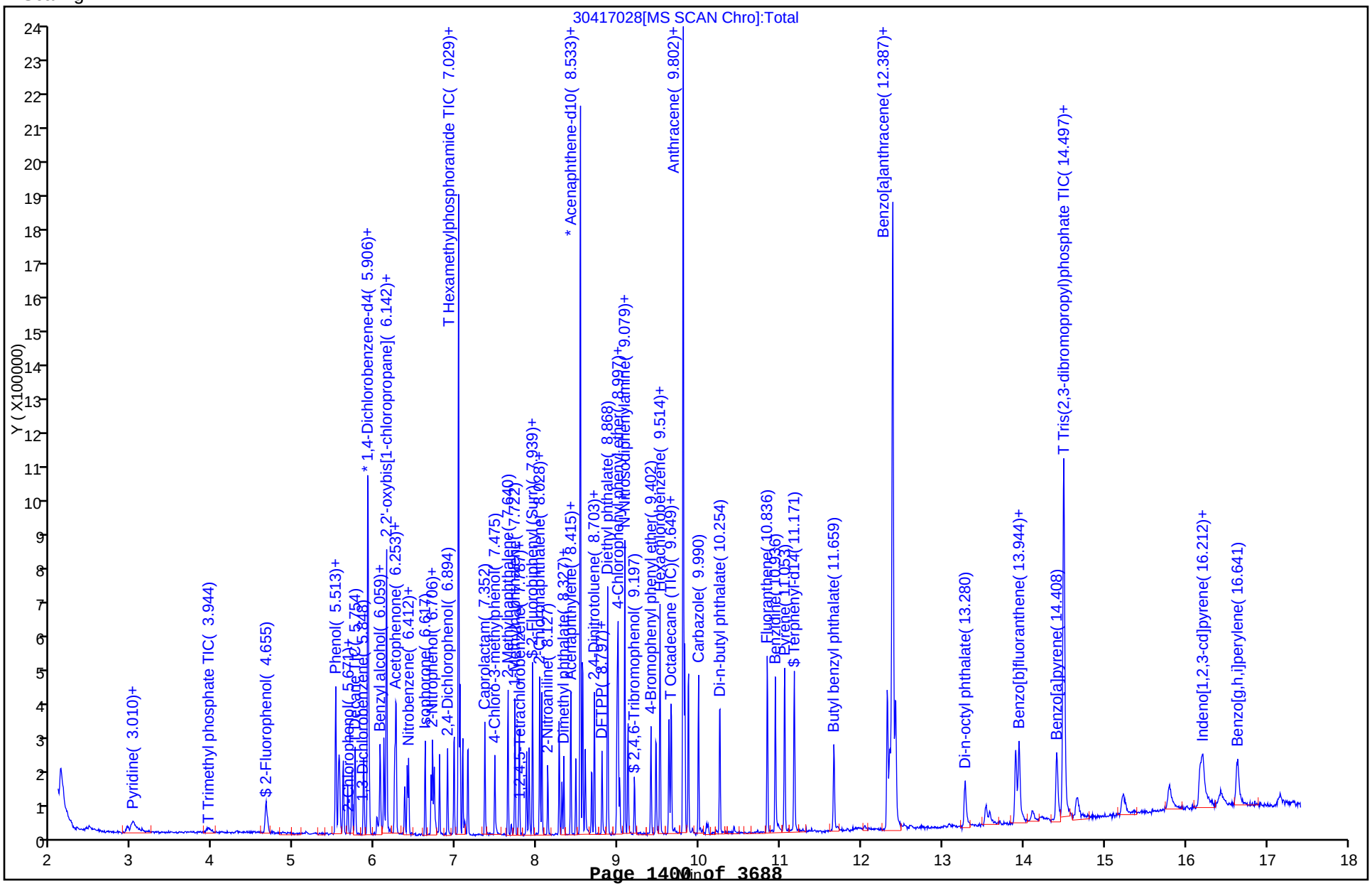
Report Date: 18-Apr-2013 14:10:25 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417028.D

Injection Date:	17-Apr-2013 20:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

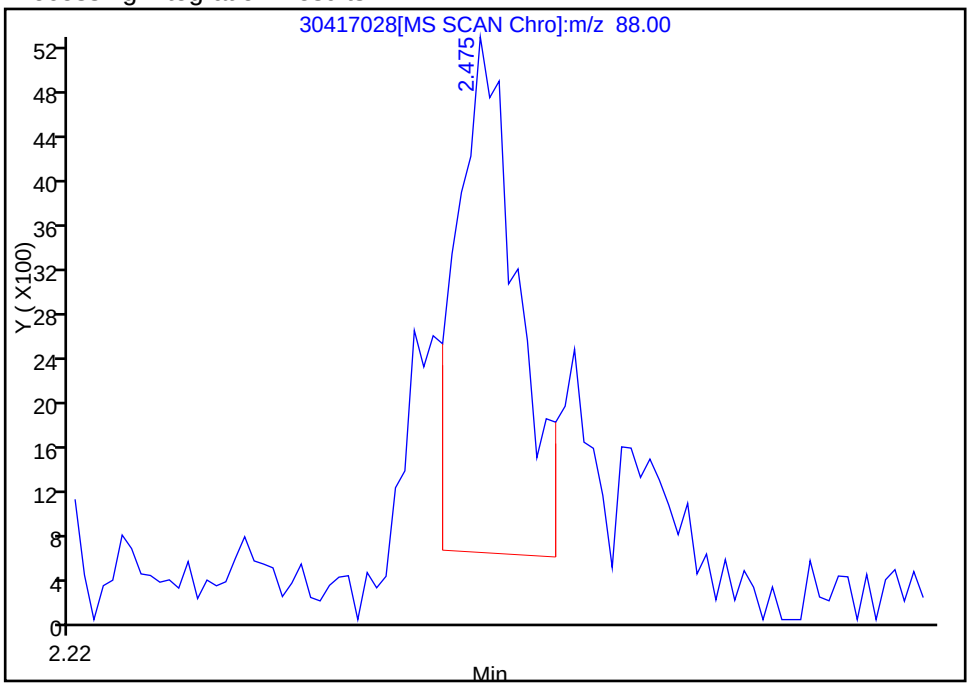
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417028.D		
Injection Date:	17-Apr-2013 20:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	28
Operator ID:	001710	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: 2.47

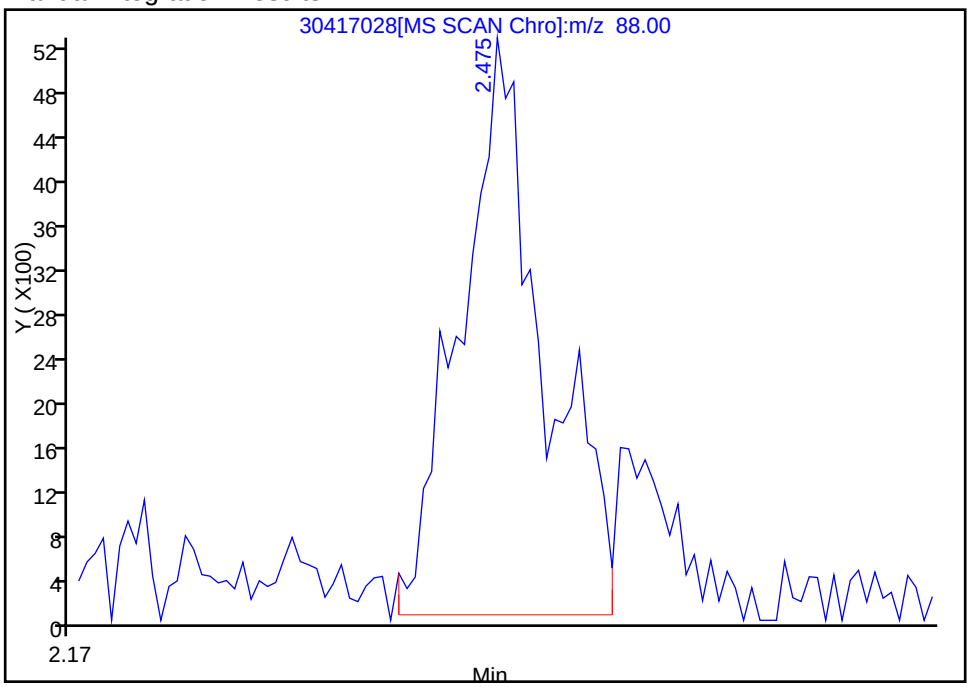
Processing Integration Results

RT: 2.48
Response: 12091
Amount: 0.342317



Manual Integration Results

RT: 2.48
Response: 21368
Amount: 0.754136



Reviewer: gruberj, 18-Apr-2013 10:43:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

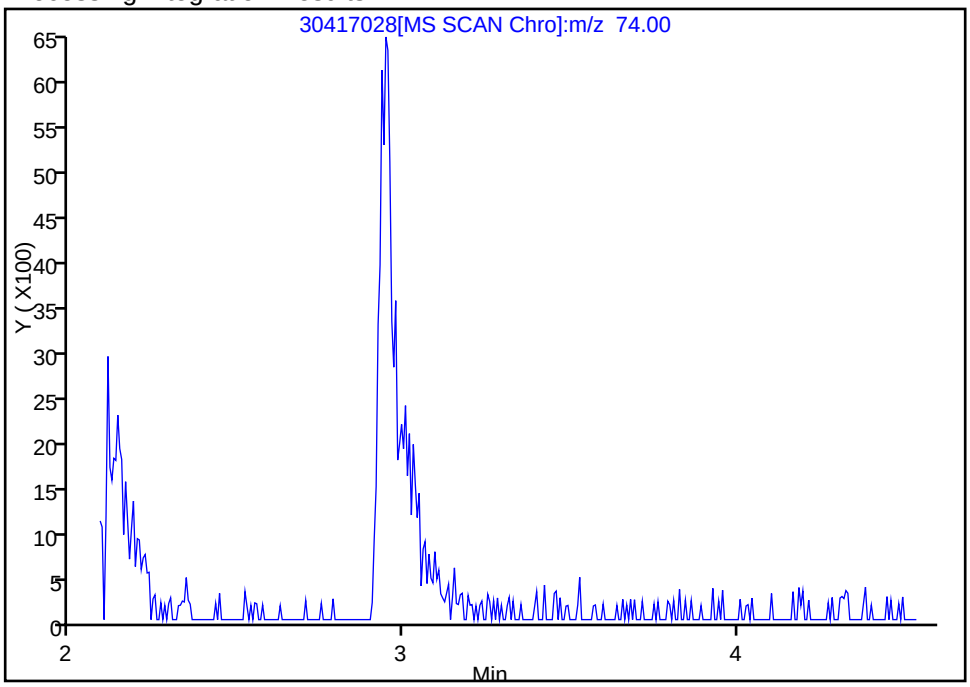
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417028.D		
Injection Date:	17-Apr-2013 20:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	28
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.94

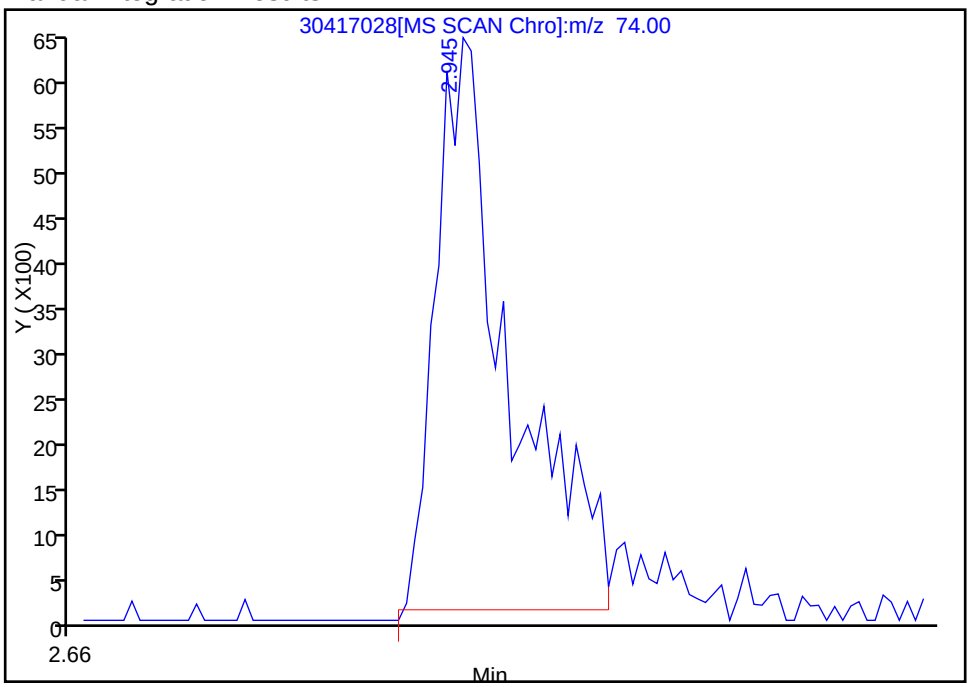
Processing Integration Results

Not Detected
Expected RT: 2.94



Manual Integration Results

RT: 2.95
Response: 23581
Amount: 0.846355



Reviewer: gruberj, 18-Apr-2013 10:43:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	0.0500	9.82	10.0	-1.8	20.0
N-Nitrosodimethylamine	Ave	1.347	1.245	0.0500	9.24	10.0	-7.6	20.0
Pyridine	Ave	2.249	2.139	0.0500	9.51	10.0	-4.9	20.0
Benzaldehyde	Ave	1.740	1.630	0.0500	18.7	20.0	-6.3	20.0
Phenol	Ave	2.247	2.136	0.0500	9.51	10.0	-4.9	20.0
Aniline	Ave	2.901	2.796	0.0500	9.64	10.0	-3.6	20.0
Bis(2-chloroethyl)ether	Ave	2.012	1.866	0.0500	9.27	10.0	-7.3	20.0
2-Chlorophenol	Ave	1.291	1.237	0.0500	9.58	10.0	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.354	1.299	0.0500	9.59	10.0	-4.1	20.0
1,4-Dichlorobenzene	Ave	1.394	1.326	0.0500	9.51	10.0	-4.9	20.0
Benzyl alcohol	Ave	1.007	0.9763	0.0500	9.69	10.0	-3.1	20.0
1,2-Dichlorobenzene	Ave	1.294	1.220	0.0500	9.43	10.0	-5.7	20.0
2-Methylphenol	Ave	1.428	1.395	0.0500	9.77	10.0	-2.3	20.0
bis (2-chloroisopropyl) ether	Ave	1.884	1.941	0.0500	7.42	7.20	3.0	20.0
3 & 4 Methylphenol	Ave	1.486	1.456	0.0500	9.80	10.0	-2.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.519	1.478	0.0500	9.73	10.0	-2.7	20.0
Acetophenone	Ave	2.373	2.248	0.0500	9.47	10.0	-5.3	20.0
Hexachloroethane	Ave	0.6609	0.6329	0.0500	9.58	10.0	-4.2	20.0
Nitrobenzene	Ave	0.5342	0.5105	0.0500	9.56	10.0	-4.4	20.0
Isophorone	Ave	0.8841	0.8881	0.0500	10.0	10.0	0.5	20.0
2,4-Dimethylphenol	Ave	0.3749	0.3532	0.0500	9.42	10.0	-5.8	20.0
2-Nitrophenol	Ave	0.1587	0.1526	0.0500	9.62	10.0	-3.8	20.0
Benzoic acid	Lin1		0.1839	0.0500	18.7	20.0	-6.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.5117	0.4766	0.0500	9.31	10.0	-6.9	20.0
2,4-Dichlorophenol	Ave	0.2455	0.2294	0.0500	9.35	10.0	-6.5	20.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2596	0.0500	9.23	10.0	-7.7	20.0
Naphthalene	Ave	0.9675	0.8857	0.0500	9.15	10.0	-8.5	20.0
4-Chloroaniline	Ave	0.5086	0.4651	0.0500	9.14	10.0	-8.6	20.0
Hexachlorobutadiene	Ave	0.1665	0.1572	0.0500	9.44	10.0	-5.6	20.0
Caprolactam	Ave	0.1089	0.1032	0.0500	18.9	20.0	-5.3	20.0
4-Chloro-3-methylphenol	Ave	0.3343	0.3117	0.0500	9.32	10.0	-6.8	20.0
2-Methylnaphthalene	Ave	0.6099	0.5597	0.0500	9.18	10.0	-8.2	20.0
1-Methylnaphthalene	Ave	0.5701	0.5209	0.0500	9.14	10.0	-8.6	20.0
Hexachlorocyclopentadiene	Ave	0.3194	0.3251	0.0500	10.2	10.0	1.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4307	0.0500	9.37	10.0	-6.3	20.0
2,4,6-Trichlorophenol	Ave	0.2912	0.2927	0.0500	10.1	10.0	0.5	20.0
2,4,5-Trichlorophenol	Ave	0.2972	0.3010	0.0500	10.1	10.0	1.3	20.0
1,1'-Biphenyl	Ave	1.334	1.241	0.0500	9.31	10.0	-6.9	20.0
2-Chloronaphthalene	Ave	0.9937	0.9282	0.0500	9.34	10.0	-6.6	20.0
2-Nitroaniline	Ave	0.4379	0.4586	0.0500	10.5	10.0	4.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	0.0500	9.54	10.0	-4.6	20.0
2,6-Dinitrotoluene	Ave	0.2401	0.2362	0.0500	9.84	10.0	-1.6	20.0
Acenaphthylene	Ave	1.537	1.485	0.0500	9.66	10.0	-3.4	20.0
3-Nitroaniline	Ave	0.2581	0.2271	0.0500	8.80	10.0	-12.0	20.0
2,4-Dinitrophenol	Qua		0.1385	0.0500	18.5	20.0	-7.4	20.0
4-Nitrophenol	Ave	0.2135	0.2182	0.0500	20.4	20.0	2.2	20.0
Acenaphthene	Ave	0.9699	0.9508	0.0500	9.80	10.0	-2.0	20.0
2,4-Dinitrotoluene	Ave	0.3054	0.2856	0.0500	9.35	10.0	-6.5	20.0
Dibenzofuran	Ave	1.399	1.325	0.0500	9.47	10.0	-5.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2244	0.0500	9.71	10.0	-2.9	20.0
Diethyl phthalate	Ave	0.9697	0.8350	0.0500	8.61	10.0	-13.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5281	0.0500	9.64	10.0	-3.6	20.0
4-Nitroaniline	Lin		0.2605	0.0500	8.82	10.0	-11.8	20.0
Fluorene	Ave	1.097	1.067	0.0500	9.73	10.0	-2.7	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1460	0.0500	20.5	20.0	2.7	20.0
N-Nitrosodiphenylamine	Ave	0.4711	0.4558	0.0500	19.3	20.0	-3.3	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.281	0.0500	11.0	10.0	10.3	20.0
Azobenzene	Ave	1.162	1.281	0.0500	11.0	10.0	10.2	20.0
4-Bromophenyl phenyl ether	Ave	0.1776	0.1811	0.0500	10.2	10.0	2.0	20.0
Atrazine	Qua		0.2037	0.0500	19.7	20.0	-1.3	20.0
Hexachlorobenzene	Ave	0.1811	0.1910	0.0500	10.5	10.0	5.5	20.0
Pentachlorophenol	Lin1		0.1281	0.0500	20.9	20.0	4.3	20.0
Phenanthrene	Ave	0.9870	0.9193	0.0500	9.31	10.0	-6.9	20.0
Anthracene	Ave	0.9760	0.9574	0.0500	9.81	10.0	-1.9	20.0
Carbazole	Lin1		0.9648	0.0500	9.92	10.0	-0.8	20.0
Di-n-butyl phthalate	Lin1		1.255	0.0500	10.4	10.0	3.8	20.0
Fluoranthene	Lin		1.250	0.0500	10.4	10.0	4.5	20.0
Benzidine	Ave	0.3909	0.4285	0.0500	21.9	20.0	9.6	20.0
Pyrene	Ave	0.8829	0.9536	0.0500	10.8	10.0	8.0	20.0
Butyl benzyl phthalate	Ave	0.4024	0.4109	0.0500	10.2	10.0	2.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5522	0.0500	10.2	10.0	2.5	20.0
3,3'-Dichlorobenzidine	Ave	0.3046	0.3211	0.0500	21.1	20.0	5.4	20.0
Benzo[a]anthracene	Ave	0.9456	0.9148	0.0500	9.67	10.0	-3.3	20.0
Chrysene	Ave	0.9101	0.9128	0.0500	10.0	10.0	0.3	20.0
Di-n-octyl phthalate	Lin1		1.184	0.0500	8.84	10.0	-11.6	20.0
Benzo[b]fluoranthene	Ave	1.034	0.9806	0.0500	9.48	10.0	-5.2	20.0
Benzo[k]fluoranthene	Ave	1.172	1.129	0.0500	9.63	10.0	-3.7	20.0
Benzo[a]pyrene	Ave	1.013	0.9451	0.0500	9.33	10.0	-6.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.028	0.9311	0.0500	9.06	10.0	-9.4	20.0
Dibenz(a,h)anthracene	Ave	0.8370	0.8070	0.0500	9.64	10.0	-3.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	0.0500	9.14	10.0	-8.6	20.0
2-Fluorophenol (Surr)	Ave	1.625	1.665	0.0500	10.2	10.0	2.4	20.0
Phenol-d5 (Surr)	Ave	2.183	2.276	0.0500	10.4	10.0	4.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.6009	0.0500	10.2	10.0	1.9	20.0
2-Fluorobiphenyl (Surr)	Ave	1.191	1.201	0.0500	10.1	10.0	0.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1275	0.0500	9.86	10.0	-1.4	20.0
Terphenyl-d14 (Surr)	Ave	0.7168	0.7545	0.0500	10.5	10.0	5.2	20.0

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

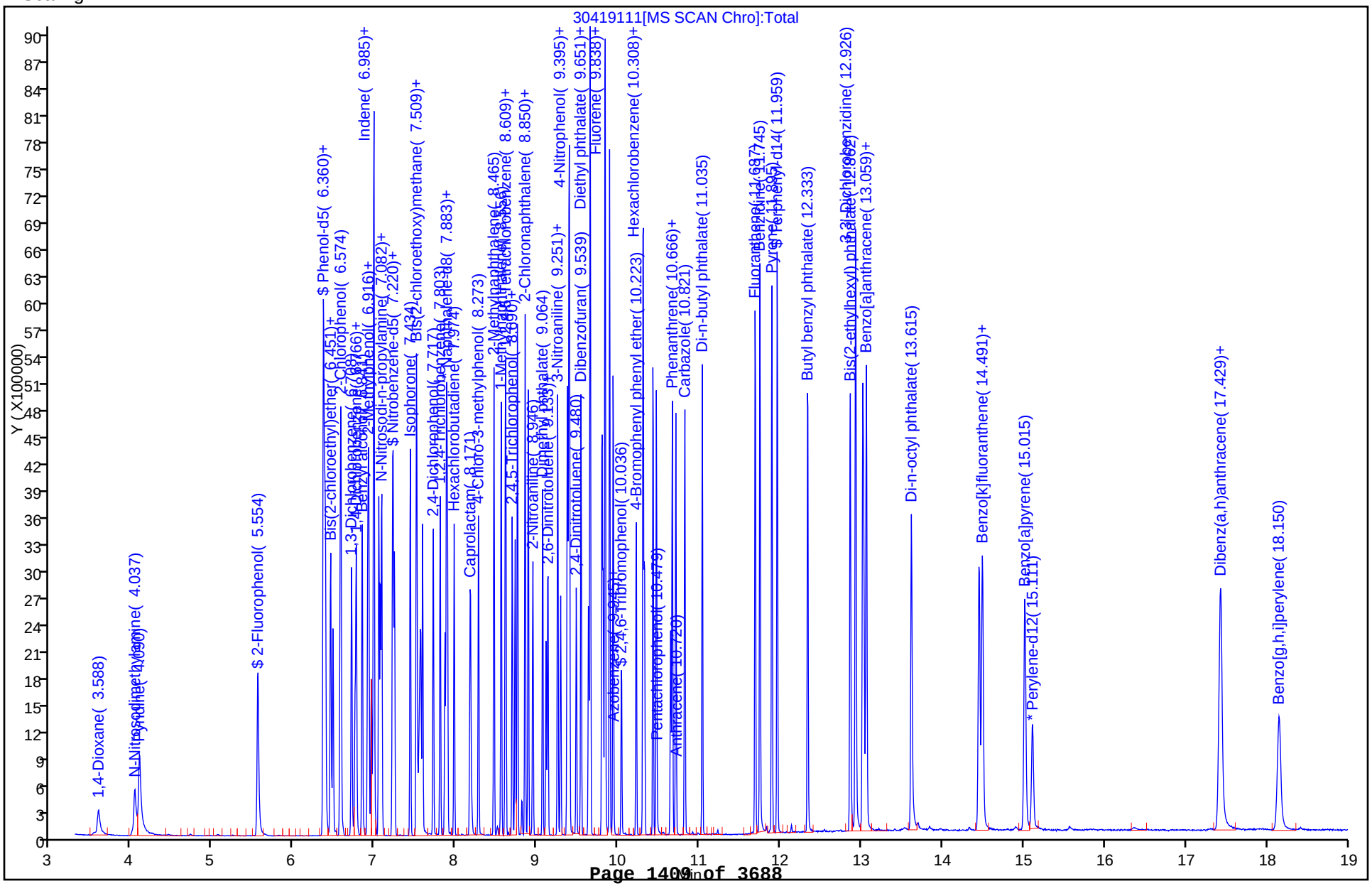
Report Date: 19-Apr-2013 15:21:03 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

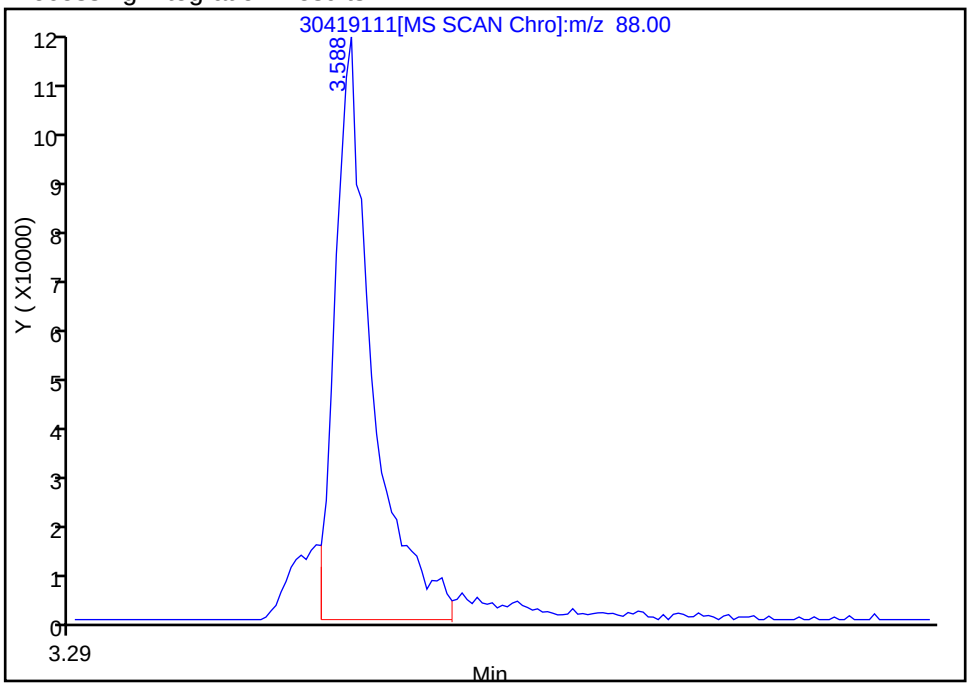
TestAmerica Canton

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

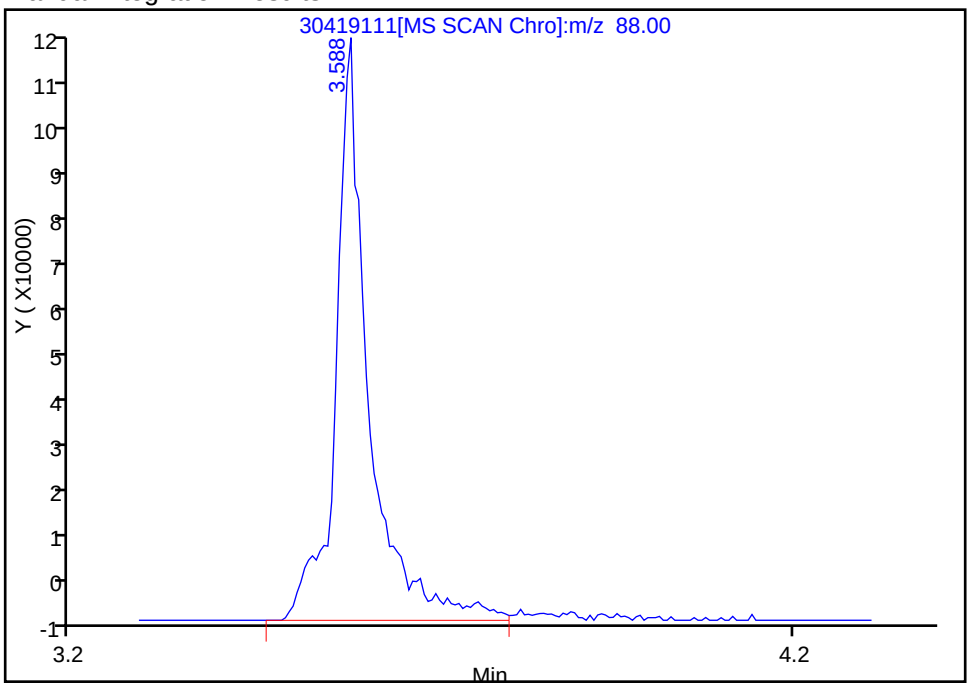
Processing Integration Results

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

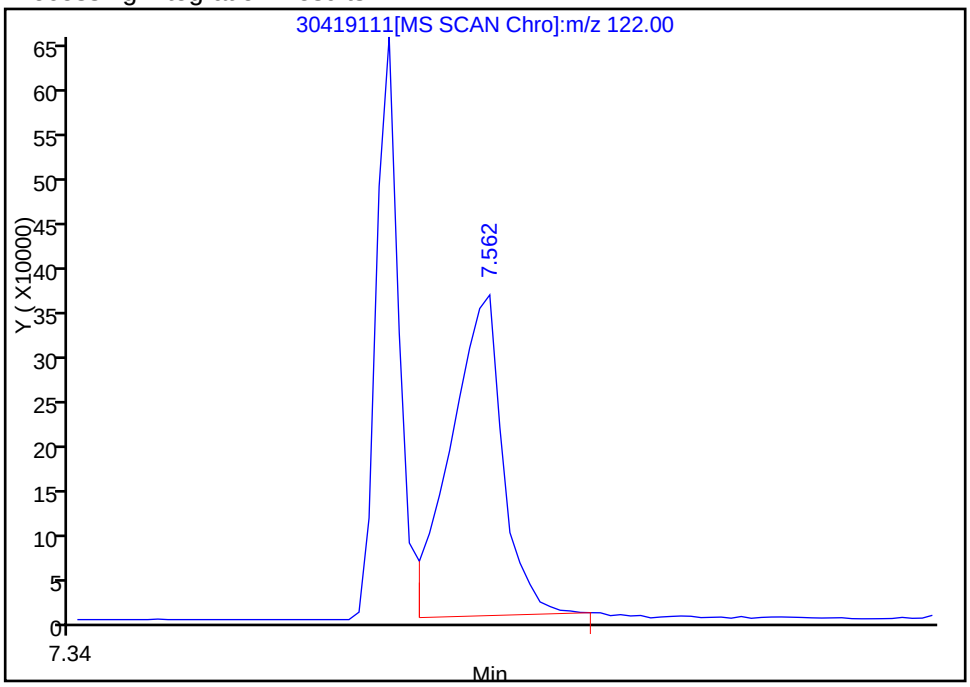
TestAmerica Canton

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

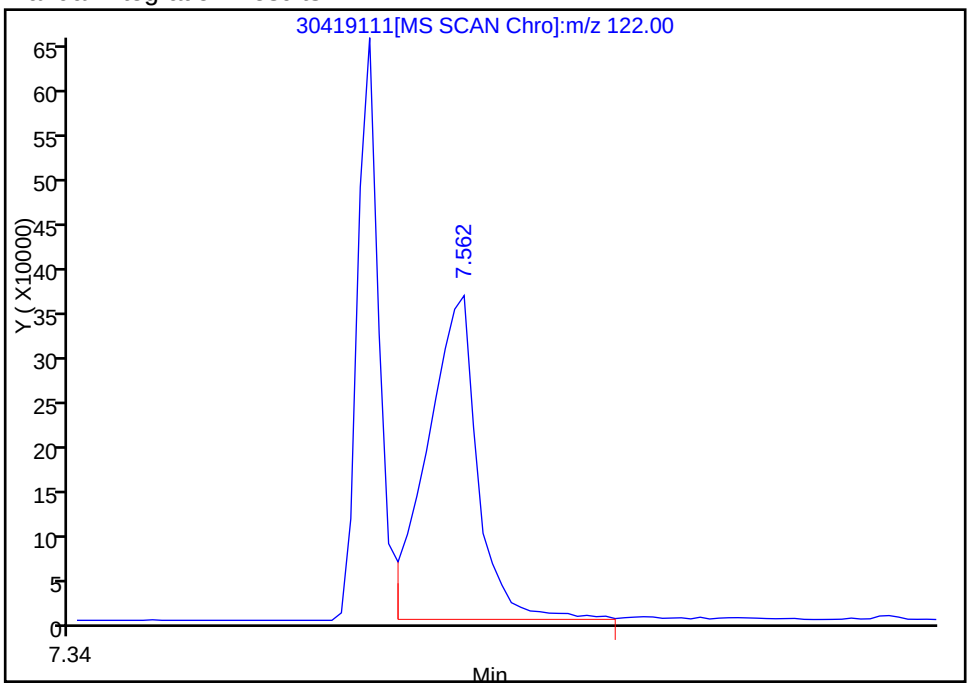
Processing Integration Results

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.: 240-22804-1

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	0.0500	10.2	10.0	1.9	20.0
N-Nitrosodimethylamine	Ave	1.347	1.343	0.0500	9.97	10.0	-0.3	20.0
Pyridine	Ave	2.249	2.207	0.0500	9.81	10.0	-1.9	20.0
Benzaldehyde	Ave	1.740	1.715	0.0500	19.7	20.0	-1.4	20.0
Phenol	Ave	2.247	2.183	0.0500	9.71	10.0	-2.9	20.0
Aniline	Ave	2.901	2.850	0.0500	9.83	10.0	-1.7	20.0
Bis(2-chloroethyl)ether	Ave	2.012	2.001	0.0500	9.94	10.0	-0.6	20.0
2-Chlorophenol	Ave	1.291	1.282	0.0500	9.93	10.0	-0.7	20.0
1,3-Dichlorobenzene	Ave	1.354	1.360	0.0500	10.0	10.0	0.4	20.0
1,4-Dichlorobenzene	Ave	1.394	1.359	0.0500	9.75	10.0	-2.5	20.0
Benzyl alcohol	Ave	1.007	0.9920	0.0500	9.85	10.0	-1.5	20.0
1,2-Dichlorobenzene	Ave	1.294	1.306	0.0500	10.1	10.0	0.9	20.0
2-Methylphenol	Ave	1.428	1.438	0.0500	10.1	10.0	0.7	20.0
bis (2-chloroisopropyl) ether	Ave	1.884	1.861	0.0500	9.88	10.0	-1.2	20.0
3 & 4 Methylphenol	Ave	1.486	1.499	0.0500	10.1	10.0	0.9	20.0
N-Nitrosodi-n-propylamine	Ave	1.519	1.537	0.0500	10.1	10.0	1.2	20.0
Acetophenone	Ave	2.373	2.355	0.0500	9.92	10.0	-0.8	20.0
Hexachloroethane	Ave	0.6609	0.6616	0.0500	10.0	10.0	0.1	20.0
Nitrobenzene	Ave	0.5342	0.5293	0.0500	9.91	10.0	-0.9	20.0
Isophorone	Ave	0.8841	0.8998	0.0500	10.2	10.0	1.8	20.0
2,4-Dimethylphenol	Ave	0.3749	0.3745	0.0500	9.99	10.0	-0.1	20.0
2-Nitrophenol	Ave	0.1587	0.1634	0.0500	10.3	10.0	2.9	20.0
Benzoic acid	Lin1		0.1930	0.0500	19.5	20.0	-2.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.5117	0.5229	0.0500	10.2	10.0	2.2	20.0
2,4-Dichlorophenol	Ave	0.2455	0.2541	0.0500	10.4	10.0	3.5	20.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2824	0.0500	10.0	10.0	0.4	20.0
Naphthalene	Ave	0.9675	0.9403	0.0500	9.72	10.0	-2.8	20.0
4-Chloroaniline	Ave	0.5086	0.5138	0.0500	10.1	10.0	1.0	20.0
Hexachlorobutadiene	Ave	0.1665	0.1688	0.0500	10.1	10.0	1.4	20.0
Caprolactam	Ave	0.1089	0.1083	0.0500	19.9	20.0	-0.6	20.0
4-Chloro-3-methylphenol	Ave	0.3343	0.3359	0.0500	10.0	10.0	0.5	20.0
2-Methylnaphthalene	Ave	0.6099	0.6073	0.0500	9.96	10.0	-0.4	20.0
1-Methylnaphthalene	Ave	0.5701	0.5599	0.0500	9.82	10.0	-1.8	20.0
Hexachlorocyclopentadiene	Ave	0.3194	0.3246	0.0500	10.2	10.0	1.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4492	0.0500	9.78	10.0	-2.2	20.0
2,4,6-Trichlorophenol	Ave	0.2912	0.2968	0.0500	10.2	10.0	1.9	20.0
2,4,5-Trichlorophenol	Ave	0.2972	0.3088	0.0500	10.4	10.0	3.9	20.0
1,1'-Biphenyl	Ave	1.334	1.274	0.0500	9.55	10.0	-4.5	20.0
2-Chloronaphthalene	Ave	0.9937	0.9553	0.0500	9.61	10.0	-3.9	20.0
2-Nitroaniline	Ave	0.4379	0.4590	0.0500	10.5	10.0	4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	0.0500	10.1	10.0	0.7	20.0
2,6-Dinitrotoluene	Ave	0.2401	0.2527	0.0500	10.5	10.0	5.3	20.0
Acenaphthylene	Ave	1.537	1.534	0.0500	9.98	10.0	-0.2	20.0
3-Nitroaniline	Ave	0.2581	0.2527	0.0500	9.79	10.0	-2.1	20.0
2,4-Dinitrophenol	Qua		0.1466	0.0500	19.4	20.0	-2.8	20.0
4-Nitrophenol	Ave	0.2135	0.2206	0.0500	20.7	20.0	3.3	20.0
Acenaphthene	Ave	0.9699	0.9634	0.0500	9.93	10.0	-0.7	20.0
2,4-Dinitrotoluene	Ave	0.3054	0.2976	0.0500	9.74	10.0	-2.6	20.0
Dibenzofuran	Ave	1.399	1.358	0.0500	9.71	10.0	-2.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2350	0.0500	10.2	10.0	1.7	20.0
Diethyl phthalate	Ave	0.9697	0.8684	0.0500	8.95	10.0	-10.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5558	0.0500	10.1	10.0	1.4	20.0
4-Nitroaniline	Lin		0.2825	0.0500	9.50	10.0	-5.0	20.0
Fluorene	Ave	1.097	1.082	0.0500	9.87	10.0	-1.3	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1429	0.0500	20.1	20.0	0.6	20.0
N-Nitrosodiphenylamine	Ave	0.4711	0.4662	0.0500	19.8	20.0	-1.1	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.241	0.0500	10.7	10.0	6.8	20.0
Azobenzene	Ave	1.162	1.241	0.0500	10.7	10.0	6.8	20.0
4-Bromophenyl phenyl ether	Ave	0.1776	0.1827	0.0500	10.3	10.0	2.9	20.0
Atrazine	Qua		0.2076	0.0500	20.2	20.0	0.8	20.0
Hexachlorobenzene	Ave	0.1811	0.1944	0.0500	10.7	10.0	7.3	20.0
Pentachlorophenol	Lin1		0.1241	0.0500	20.2	20.0	1.1	20.0
Phenanthrene	Ave	0.9870	0.9422	0.0500	9.55	10.0	-4.5	20.0
Anthracene	Ave	0.9760	0.9817	0.0500	10.1	10.0	0.6	20.0
Carbazole	Lin1		0.9932	0.0500	10.2	10.0	2.1	20.0
Di-n-butyl phthalate	Lin1		1.260	0.0500	10.4	10.0	4.2	20.0
Fluoranthene	Lin		1.267	0.0500	10.6	10.0	5.9	20.0
Benzidine	Ave	0.3909	0.3822	0.0500	19.6	20.0	-2.2	20.0
Pyrene	Ave	0.8829	0.9582	0.0500	10.9	10.0	8.5	20.0
Butyl benzyl phthalate	Ave	0.4024	0.4143	0.0500	10.3	10.0	3.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5744	0.0500	10.7	10.0	6.6	20.0
3,3'-Dichlorobenzidine	Ave	0.3046	0.3228	0.0500	21.2	20.0	6.0	20.0
Benzo[a]anthracene	Ave	0.9456	0.9304	0.0500	9.84	10.0	-1.6	20.0
Chrysene	Ave	0.9101	0.8950	0.0500	9.83	10.0	-1.7	20.0
Di-n-octyl phthalate	Lin1		1.218	0.0500	9.08	10.0	-9.2	20.0
Benzo[b]fluoranthene	Ave	1.034	1.106	0.0500	10.7	10.0	7.0	20.0
Benzo[k]fluoranthene	Ave	1.172	1.134	0.0500	9.67	10.0	-3.3	20.0
Benzo[a]pyrene	Ave	1.013	1.037	0.0500	10.2	10.0	2.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.049	0.0500	10.2	10.0	2.0	20.0
Dibenz(a,h)anthracene	Ave	0.8370	0.8759	0.0500	10.5	10.0	4.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	0.0500	10.2	10.0	2.2	20.0
2-Fluorophenol (Surr)	Ave	1.625	1.584	0.0500	9.75	10.0	-2.5	20.0
Phenol-d5 (Surr)	Ave	2.183	2.124	0.0500	9.73	10.0	-2.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.5796	0.0500	9.83	10.0	-1.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.191	1.140	0.0500	9.57	10.0	-4.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1214	0.0500	9.39	10.0	-6.1	20.0
Terphenyl-d14 (Surr)	Ave	0.7168	0.6964	0.0500	9.71	10.0	-2.9	20.0

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

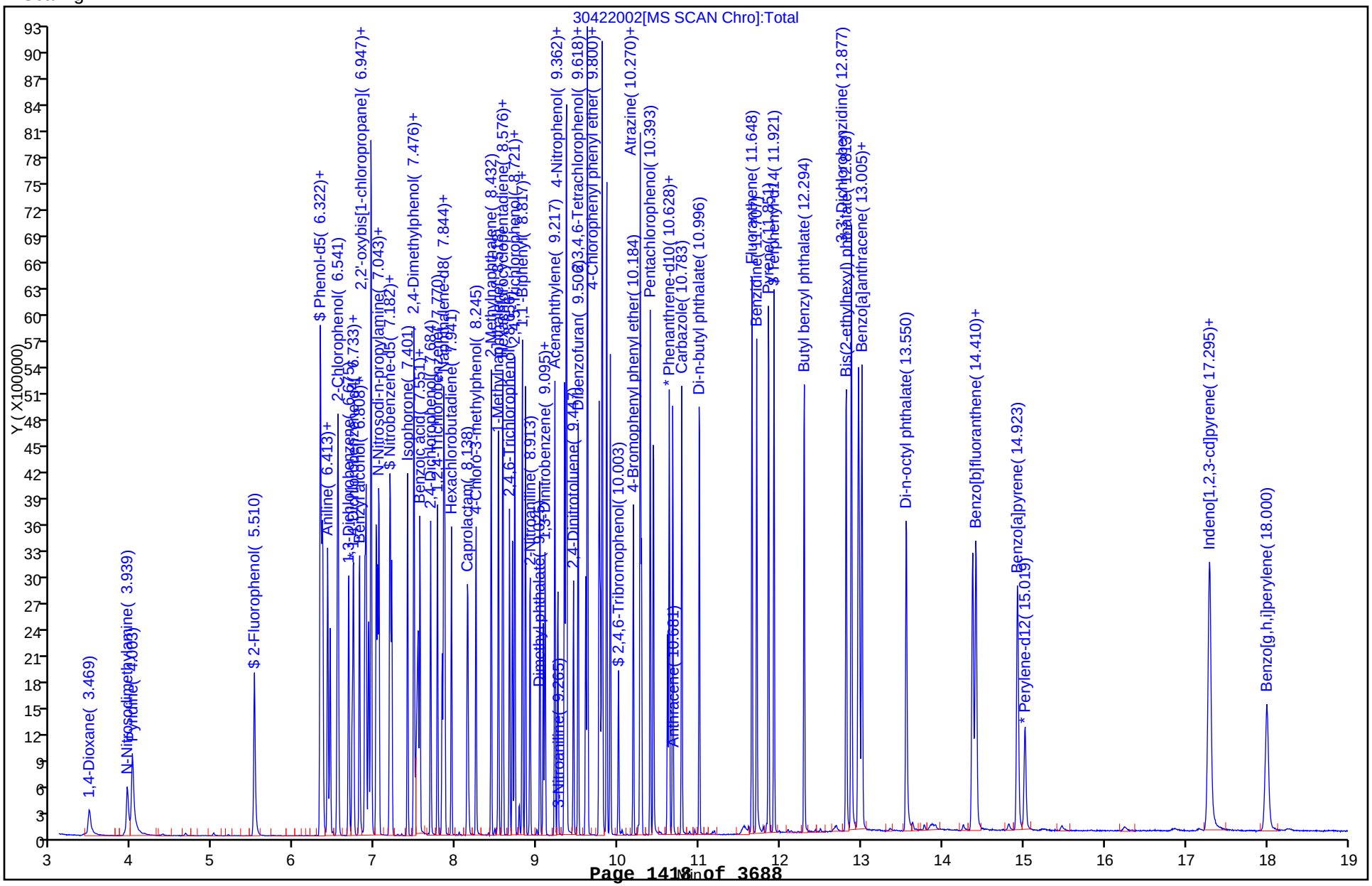
Report Date: 22-Apr-2013 15:21:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

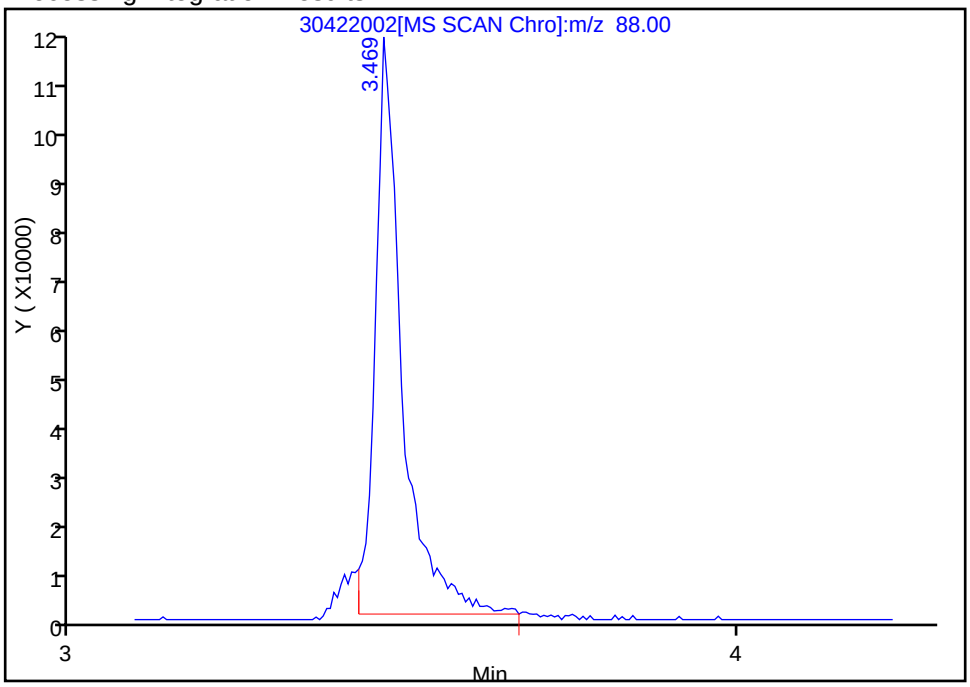
TestAmerica Canton

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

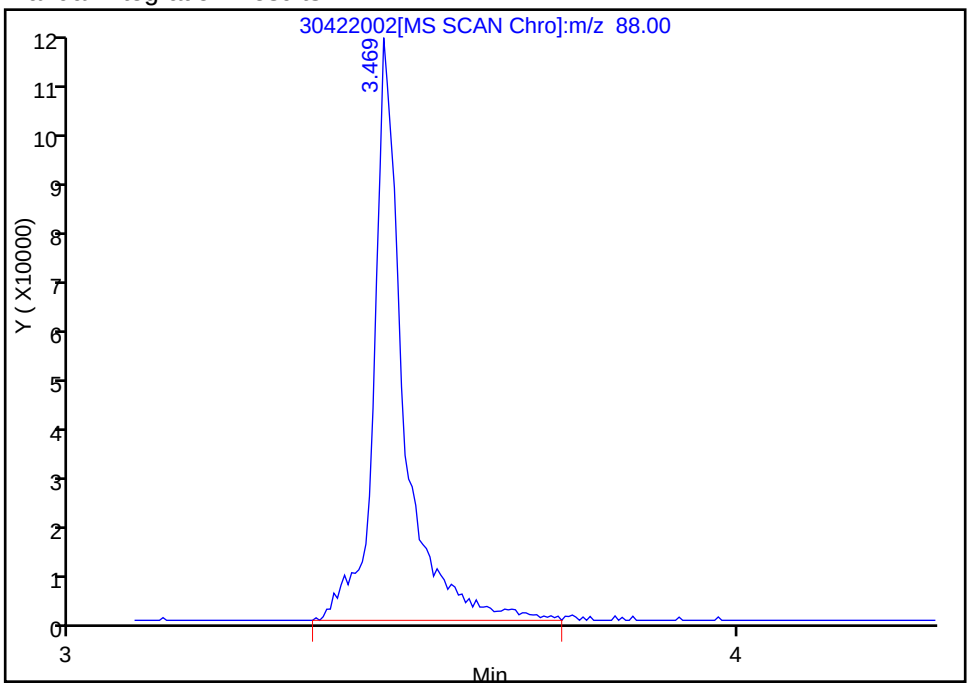
Processing Integration Results

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

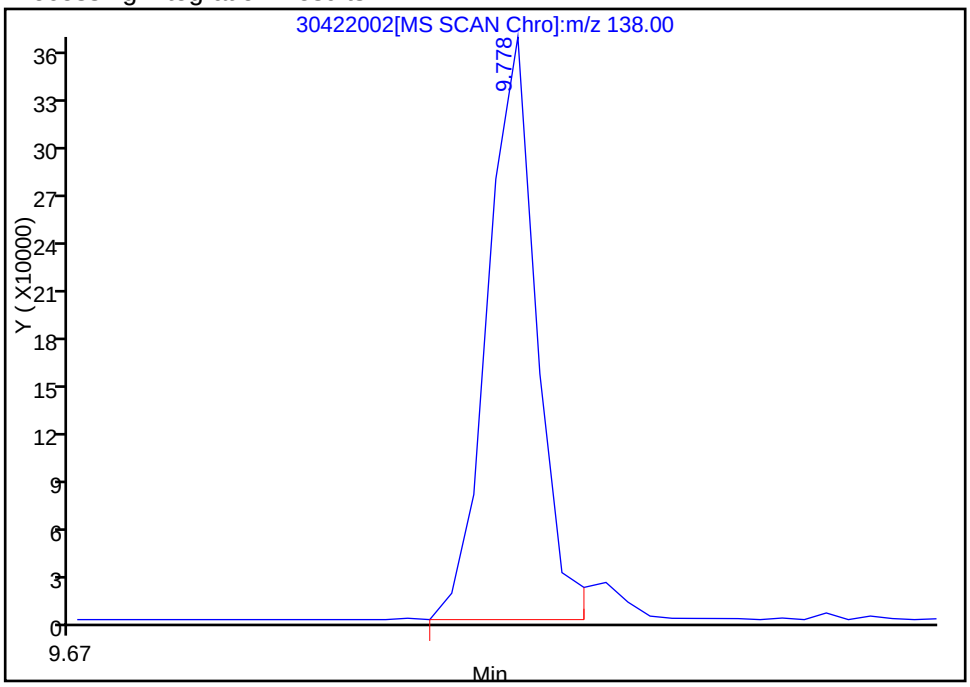
TestAmerica Canton

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

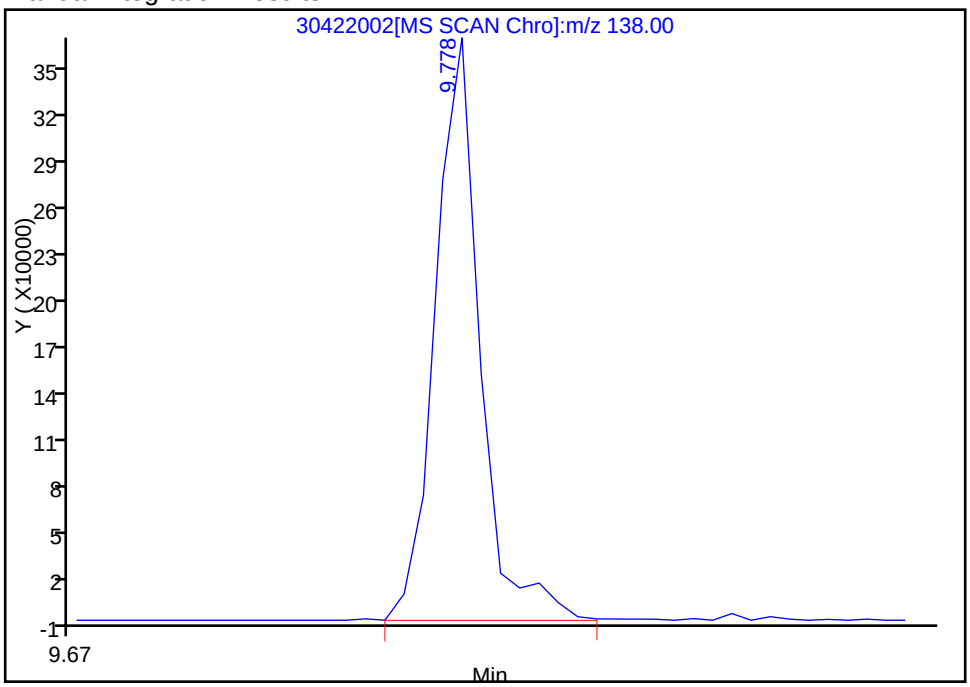
Processing Integration Results

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83126/2 Calibration Date: 04/23/2013 09:51

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: 30423002.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	0.8218	0.0500	10.1	10.0	0.8	20.0
N-Nitrosodimethylamine	Ave	1.347	1.304	0.0500	9.68	10.0	-3.2	20.0
Pyridine	Ave	2.249	2.185	0.0500	9.72	10.0	-2.8	20.0
Benzaldehyde	Ave	1.740	1.699	0.0500	19.5	20.0	-2.4	20.0
Phenol	Ave	2.247	2.155	0.0500	9.59	10.0	-4.1	20.0
Aniline	Ave	2.901	2.794	0.0500	9.63	10.0	-3.7	20.0
Bis(2-chloroethyl)ether	Ave	2.012	1.955	0.0500	9.71	10.0	-2.9	20.0
2-Chlorophenol	Ave	1.291	1.282	0.0500	9.93	10.0	-0.7	20.0
1,3-Dichlorobenzene	Ave	1.354	1.349	0.0500	9.96	10.0	-0.4	20.0
1,4-Dichlorobenzene	Ave	1.394	1.345	0.0500	9.65	10.0	-3.5	20.0
Benzyl alcohol	Ave	1.007	0.9634	0.0500	9.56	10.0	-4.4	20.0
1,2-Dichlorobenzene	Ave	1.294	1.287	0.0500	9.94	10.0	-0.6	20.0
2-Methylphenol	Ave	1.428	1.411	0.0500	9.88	10.0	-1.2	20.0
bis (2-chloroisopropyl) ether	Ave	1.884	1.833	0.0500	9.73	10.0	-2.7	20.0
3 & 4 Methylphenol	Ave	1.486	1.451	0.0500	9.76	10.0	-2.4	20.0
N-Nitrosodi-n-propylamine	Ave	1.519	1.543	0.0500	10.2	10.0	1.6	20.0
Acetophenone	Ave	2.373	2.363	0.0500	9.96	10.0	-0.4	20.0
Hexachloroethane	Ave	0.6609	0.6471	0.0500	9.79	10.0	-2.1	20.0
Nitrobenzene	Ave	0.5342	0.5293	0.0500	9.91	10.0	-0.9	20.0
Isophorone	Ave	0.8841	0.8819	0.0500	9.97	10.0	-0.3	20.0
2,4-Dimethylphenol	Ave	0.3749	0.3580	0.0500	9.55	10.0	-4.5	20.0
2-Nitrophenol	Ave	0.1587	0.1643	0.0500	10.4	10.0	3.6	20.0
Benzoic acid	Lin1		0.1841	0.0500	18.7	20.0	-6.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5117	0.5135	0.0500	10.0	10.0	0.4	20.0
2,4-Dichlorophenol	Ave	0.2455	0.2431	0.0500	9.90	10.0	-1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2805	0.0500	9.97	10.0	-0.3	20.0
Naphthalene	Ave	0.9675	0.9396	0.0500	9.71	10.0	-2.9	20.0
4-Chloroaniline	Ave	0.5086	0.5007	0.0500	9.84	10.0	-1.6	20.0
Hexachlorobutadiene	Ave	0.1665	0.1667	0.0500	10.0	10.0	0.1	20.0
Caprolactam	Ave	0.1089	0.1111	0.0500	20.4	20.0	2.0	20.0
4-Chloro-3-methylphenol	Ave	0.3343	0.3308	0.0500	9.90	10.0	-1.0	20.0
2-Methylnaphthalene	Ave	0.6099	0.5975	0.0500	9.80	10.0	-2.0	20.0
1-Methylnaphthalene	Ave	0.5701	0.5554	0.0500	9.74	10.0	-2.6	20.0
Hexachlorocyclopentadiene	Ave	0.3194	0.3212	0.0500	10.1	10.0	0.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4523	0.0500	9.84	10.0	-1.6	20.0
2,4,6-Trichlorophenol	Ave	0.2912	0.2964	0.0500	10.2	10.0	1.8	20.0
2,4,5-Trichlorophenol	Ave	0.2972	0.2986	0.0500	10.0	10.0	0.5	20.0
1,1'-Biphenyl	Ave	1.334	1.283	0.0500	9.62	10.0	-3.8	20.0
2-Chloronaphthalene	Ave	0.9937	0.9691	0.0500	9.75	10.0	-2.5	20.0
2-Nitroaniline	Ave	0.4379	0.4600	0.0500	10.5	10.0	5.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83126/2 Calibration Date: 04/23/2013 09:51

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: 30423002.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	1.059	0.0500	10.2	10.0	1.7	20.0
2,6-Dinitrotoluene	Ave	0.2401	0.2529	0.0500	10.5	10.0	5.4	20.0
Acenaphthylene	Ave	1.537	1.506	0.0500	9.80	10.0	-2.0	20.0
3-Nitroaniline	Ave	0.2581	0.2532	0.0500	9.81	10.0	-1.9	20.0
2,4-Dinitrophenol	Qua		0.1485	0.0500	19.6	20.0	-1.8	20.0
4-Nitrophenol	Ave	0.2135	0.2304	0.0500	21.6	20.0	7.9	20.0
Acenaphthene	Ave	0.9699	0.9509	0.0500	9.80	10.0	-2.0	20.0
2,4-Dinitrotoluene	Ave	0.3054	0.3076	0.0500	10.1	10.0	0.7	20.0
Dibenzofuran	Ave	1.399	1.376	0.0500	9.84	10.0	-1.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2384	0.0500	10.3	10.0	3.1	20.0
Diethyl phthalate	Ave	0.9697	0.9124	0.0500	9.41	10.0	-5.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5416	0.0500	9.88	10.0	-1.2	20.0
4-Nitroaniline	Lin		0.2719	0.0500	9.17	10.0	-8.3	20.0
Fluorene	Ave	1.097	1.086	0.0500	9.90	10.0	-1.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1470	0.0500	20.7	20.0	3.3	20.0
N-Nitrosodiphenylamine	Ave	0.4711	0.4792	0.0500	20.3	20.0	1.7	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.230	0.0500	10.6	10.0	5.9	20.0
Azobenzene	Ave	1.162	1.230	0.0500	10.6	10.0	5.9	20.0
4-Bromophenyl phenyl ether	Ave	0.1776	0.1844	0.0500	10.4	10.0	3.8	20.0
Atrazine	Qua		0.2033	0.0500	19.7	20.0	-1.5	20.0
Hexachlorobenzene	Ave	0.1811	0.1945	0.0500	10.7	10.0	7.4	20.0
Pentachlorophenol	Lin1		0.1267	0.0500	20.6	20.0	3.2	20.0
Phenanthrene	Ave	0.9870	0.9631	0.0500	9.76	10.0	-2.4	20.0
Anthracene	Ave	0.9760	0.9893	0.0500	10.1	10.0	1.4	20.0
Carbazole	Lin1		1.021	0.0500	10.5	10.0	4.8	20.0
Di-n-butyl phthalate	Lin1		1.264	0.0500	10.4	10.0	4.5	20.0
Fluoranthene	Lin		1.280	0.0500	10.7	10.0	6.9	20.0
Benzidine	Ave	0.3909	0.3712	0.0500	19.0	20.0	-5.1	20.0
Pyrene	Ave	0.8829	0.9300	0.0500	10.5	10.0	5.3	20.0
Butyl benzyl phthalate	Ave	0.4024	0.4185	0.0500	10.4	10.0	4.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5618	0.0500	10.4	10.0	4.2	20.0
3,3'-Dichlorobenzidine	Ave	0.3046	0.3253	0.0500	21.4	20.0	6.8	20.0
Benzo[a]anthracene	Ave	0.9456	0.9362	0.0500	9.90	10.0	-1.0	20.0
Chrysene	Ave	0.9101	0.9177	0.0500	10.1	10.0	0.8	20.0
Di-n-octyl phthalate	Lin1		1.183	0.0500	8.83	10.0	-11.7	20.0
Benzo[b]fluoranthene	Ave	1.034	1.086	0.0500	10.5	10.0	5.0	20.0
Benzo[k]fluoranthene	Ave	1.172	1.181	0.0500	10.1	10.0	0.7	20.0
Benzo[a]pyrene	Ave	1.013	1.040	0.0500	10.3	10.0	2.6	20.0
Dibenz(a,h)anthracene	Ave	0.8370	0.9031	0.0500	10.8	10.0	7.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.106	0.0500	10.8	10.0	7.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83126/2 Calibration Date: 04/23/2013 09:51

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: 30423002.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	0.9082	0.0500	10.7	10.0	7.0	20.0
2-Fluorophenol (Surr)	Ave	1.625	1.559	0.0500	9.59	10.0	-4.1	20.0
Phenol-d5 (Surr)	Ave	2.183	2.107	0.0500	9.65	10.0	-3.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.5563	0.0500	9.43	10.0	-5.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.191	1.143	0.0500	9.60	10.0	-4.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1290	0.0500	9.98	10.0	-0.2	20.0
Terphenyl-d14 (Surr)	Ave	0.7168	0.7081	0.0500	9.88	10.0	-1.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	23-Apr-2013 09:51:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019166-002		
Misc. Info.:	CCV TCL =CCV TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	83126	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m		
Last Update:	23-Apr-2013 14:35:28	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 10:19:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	91	162078	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	98	680147	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	75	402522	4.00	
* 4 Phenanthrene-d10	188	10.588	10.588	0.0	98	587872	4.00	
* 5 Chrysene-d12	240	12.949	12.949	0.0	84	823359	4.00	
* 6 Perylene-d12	264	14.969	14.969	0.0	94	656167	4.00	
$ 7 2-Fluorophenol	112	5.486	5.486	0.0	94	631506	9.59	
$ 8 Phenol-d5	99	6.320	6.320	0.0	95	853807	9.65	
$ 9 Nitrobenzene-d5	82	7.169	7.169	0.0	86	945957	9.43	
$ 10 2-Fluorobiphenyl (Surr)	172	8.702	8.702	0.0	99	1150086	9.60	
$ 11 2,4,6-Tribromophenol	330	9.984	9.984	0.0	91	129850	9.98	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	97	1457560	9.88	
244 n-Octadecane	57		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.408	3.408	0.0	94	333000	10.1	M
26 N-Nitrosodimethylamine	74	3.894	3.894	0.0	87	528298	9.68	M
27 Pyridine	79	3.958	3.958	0.0	95	885461	9.72	M
41 Benzaldehyde	77	6.304	6.304	0.0	85	1376449	19.5	
43 Phenol	94	6.336	6.336	0.0	79	873301	9.59	
44 Aniline	93	6.395	6.395	0.0	96	1132131	9.63	
69 Bis(2-chloroethyl)ether	93	6.427	6.427	0.0	96	792082	9.71	
46 2-Chlorophenol	128	6.512	6.512	0.0	91	519506	9.93	
47 1,3-Dichlorobenzene	146	6.651	6.651	0.0	82	546465	9.96	
48 1,4-Dichlorobenzene	146	6.710	6.710	0.0	82	544854	9.65	
49 Benzyl alcohol	108	6.784	6.784	0.0	85	390364	9.56	
50 1,2-Dichlorobenzene	146	6.854	6.854	0.0	80	521358	9.94	
51 2-Methylphenol	108	6.870	6.870	0.0	95	571827	9.88	
53 2,2'-oxybis[1-chloropropane]	45	6.897	6.897	0.0	97	742778	9.73	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.929	6.929	0.0	69	2093397	19.5	
21 3 & 4 Methylphenol	108	6.993	6.993	0.0	95	587785	9.76	
57 N-Nitrosodi-n-propylamine	70	7.009	7.009	0.0	73	625338	10.2	
58 Acetophenone	105	7.025	7.025	0.0	79	957621	9.96	
61 Hexachloroethane	117	7.158	7.158	0.0	83	262207	9.79	
62 Nitrobenzene	77	7.185	7.185	0.0	74	900010	9.91	
64 Isophorone	82	7.377	7.377	0.0	96	1499464	9.97	
65 2,4-Dimethylphenol	107	7.458	7.458	0.0	95	608694	9.55	
66 2-Nitrophenol	139	7.463	7.463	0.0	80	279437	10.4	
71 Benzoic acid	122	7.506	7.506	0.0	82	626113	18.7	M
70 Bis(2-chloroethoxy)methane	93	7.532	7.532	0.0	95	873195	10.0	
73 2,4-Dichlorophenol	162	7.666	7.666	0.0	95	413401	9.90	
74 1,2,4-Trichlorobenzene	180	7.751	7.751	0.0	84	476933	9.97	
75 Naphthalene	128	7.826	7.826	0.0	99	1597600	9.71	
76 4-Chloroaniline	127	7.837	7.837	0.0	74	851312	9.84	
79 Hexachlorobutadiene	225	7.922	7.922	0.0	92	283522	10.0	
84 Caprolactam	113	8.120	8.120	0.0	82	377794	20.4	
86 4-Chloro-3-methylphenol	107	8.222	8.222	0.0	85	562533	9.90	
87 2-Methylnaphthalene	142	8.414	8.414	0.0	85	1015988	9.80	
88 1-Methylnaphthalene	142	8.499	8.499	0.0	79	944387	9.74	
89 Hexachlorocyclopentadiene	237	8.553	8.553	0.0	95	323170	10.1	
91 1,2,4,5-Tetrachlorobenzene	216	8.558	8.558	0.0	92	455111	9.84	
92 2,4,6-Trichlorophenol	196	8.638	8.638	0.0	89	298261	10.2	
93 2,4,5-Trichlorophenol	196	8.676	8.676	0.0	88	300502	10.0	
98 1,1'-Biphenyl	154	8.793	8.793	0.0	96	1290725	9.62	
100 2-Chloronaphthalene	162	8.836	8.836	0.0	98	975201	9.75	
102 2-Nitroaniline	65	8.889	8.889	0.0	71	462922	10.5	
105 Dimethyl phthalate	163	9.012	9.012	0.0	94	1065670	10.2	
106 1,3-Dinitrobenzene	168	9.055	9.055	0.0	81	182690	10.7	
107 2,6-Dinitrotoluene	165	9.076	9.076	0.0	78	254531	10.5	
109 Acenaphthylene	152	9.194	9.194	0.0	86	1515882	9.80	
110 3-Nitroaniline	138	9.231	9.231	0.0	87	254834	9.81	
111 2,4-Dinitrophenol	184	9.317	9.317	0.0	71	298836	19.6	
113 4-Nitrophenol	109	9.338	9.338	0.0	85	463778	21.6	
112 Acenaphthene	153	9.343	9.343	0.0	92	956882	9.80	
114 2,4-Dinitrotoluene	165	9.429	9.429	0.0	76	309491	10.1	
116 Dibenzofuran	168	9.482	9.482	0.0	84	1384562	9.84	
119 2,3,4,6-Tetrachlorophenol	232	9.578	9.578	0.0	74	239932	10.3	
121 Diethyl phthalate	149	9.600	9.600	0.0	94	918102	9.41	
123 4-Chlorophenyl phenyl ether	204	9.744	9.744	0.0	95	544968	9.88	
125 4-Nitroaniline	138	9.755	9.755	0.0	67	273602	9.17	
126 Fluorene	166	9.776	9.776	0.0	79	1093130	9.90	
128 4,6-Dinitro-2-methylphenol	198	9.781	9.781	0.0	75	432045	20.7	
131 N-Nitrosodiphenylamine	169	9.835	9.835	0.0	99	1408525	20.3	
132 1,2-Diphenylhydrazine	77	9.878	9.878	0.0	99	1807995	10.6	
133 Azobenzene	77	9.878	9.878	0.0	95	1808026	10.6	
139 4-Bromophenyl phenyl ether	248	10.166	10.166	0.0	70	270948	10.4	
142 Atrazine	200	10.252	10.252	0.0	87	597509	19.7	
141 Hexachlorobenzene	284	10.268	10.268	0.0	82	285863	10.7	
143 Pentachlorophenol	266	10.412	10.412	0.0	79	372526	20.6	
148 Phenanthrene	178	10.604	10.604	0.0	98	1415394	9.76	
149 Anthracene	178	10.652	10.652	0.0	87	1453892	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.759	10.759	0.0	83	1499808	10.5	
154 Di-n-butyl phthalate	149	10.978	10.978	0.0	100	1857029	10.4	
159 Fluoranthene	202	11.624	11.624	0.0	99	1880772	10.7	
160 Benzidine	184	11.683	11.683	0.0	99	1528094	19.0	
161 Pyrene	202	11.833	11.833	0.0	97	1914301	10.5	
168 Butyl benzyl phthalate	149	12.271	12.271	0.0	90	861377	10.4	
173 Bis(2-ethylhexyl) phthalate	149	12.784	12.784	0.0	94	1156369	10.4	
175 3,3'-Dichlorobenzidine	252	12.848	12.848	0.0	71	1339009	21.4	
177 Benzo[a]anthracene	228	12.933	12.933	0.0	89	1927066	9.90	
178 Chrysene	228	12.976	12.976	0.0	94	1889052	10.1	
180 Di-n-octyl phthalate	149	13.521	13.521	0.0	99	1939927	8.83	
182 Benzo[b]fluoranthene	252	14.328	14.328	0.0	87	1781096	10.5	
183 Benzo[k]fluoranthene	252	14.370	14.370	0.0	90	1937348	10.1	
184 Benzo[a]pyrene	252	14.878	14.878	0.0	75	1705373	10.3	
189 Dibenz(a,h)anthracene	278	17.223	17.223	0.0	69	1481385	10.8	
188 Indeno[1,2,3-cd]pyrene	276	17.223	17.223	0.0	92	1813476	10.8	
190 Benzo[g,h,i]perylene	276	17.917	17.917	0.0	92	1489857	10.7	
S 191 Methyl Phenols,Total	100				0		19.6	
S 245 Total Cresols	100				0		19.6	

QC Flag Legend

Review Flags
M - Manually Integrated

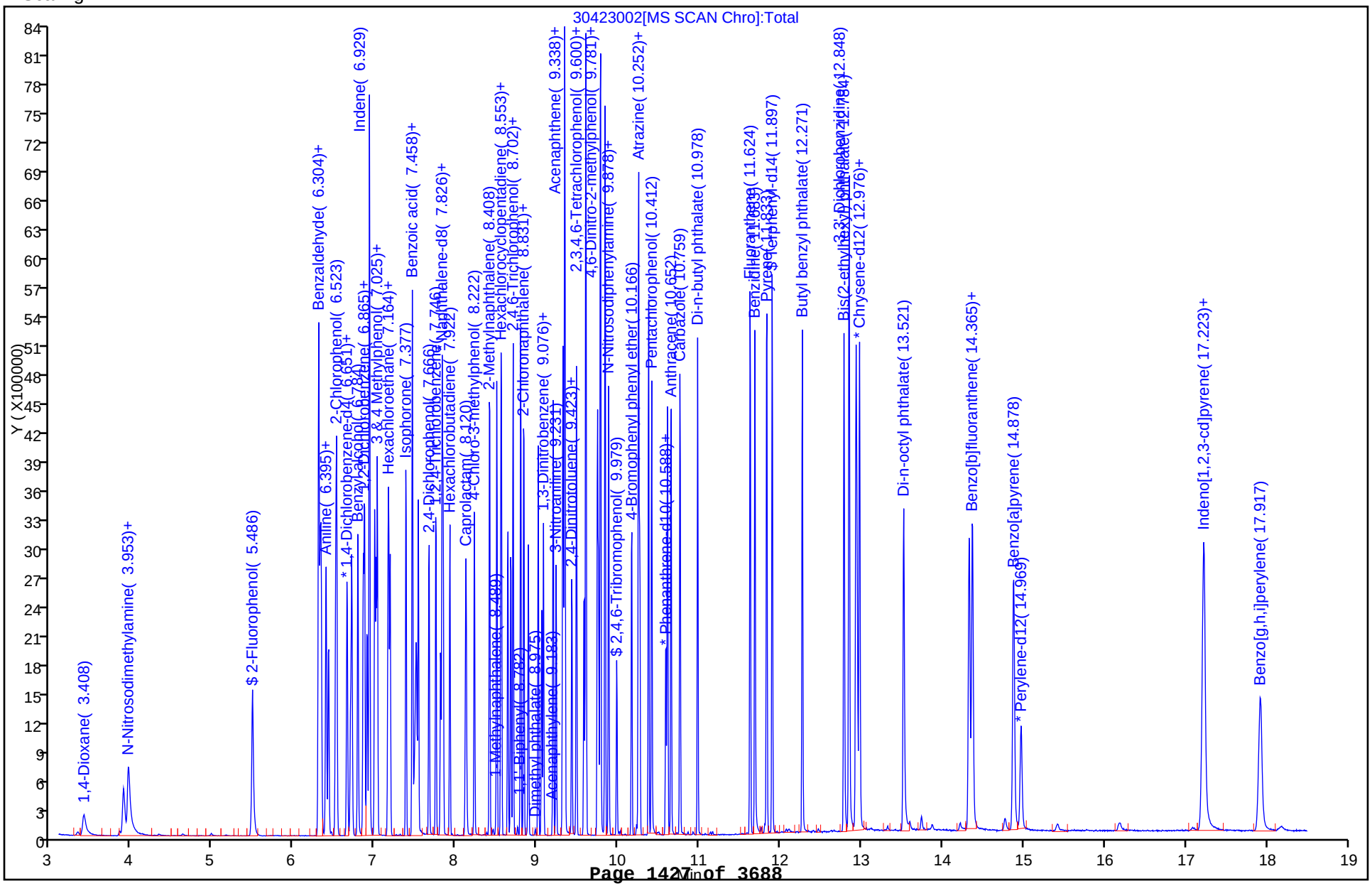
Report Date: 23-Apr-2013 14:35:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D

Injection Date:	23-Apr-2013 09:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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

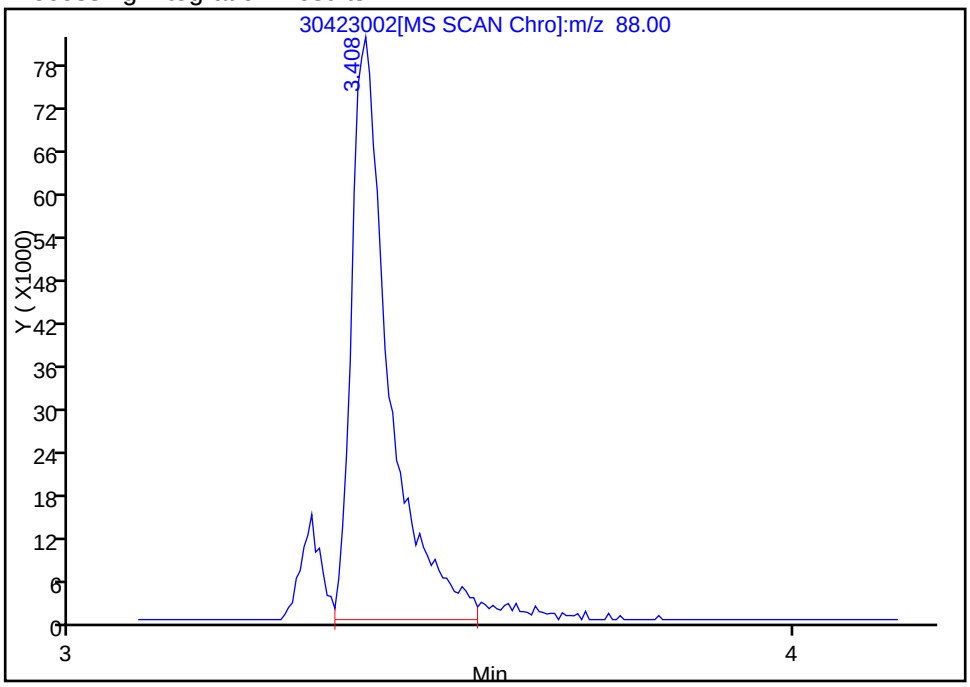
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D		
Injection Date:	23-Apr-2013 09:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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: 3.41

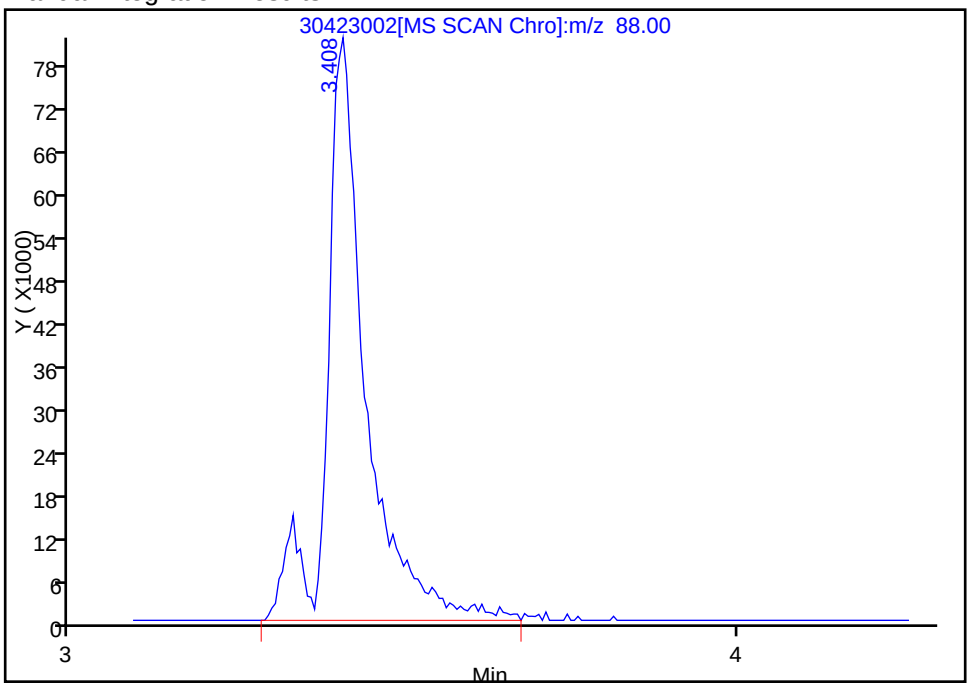
Processing Integration Results

RT: 3.41
Response: 295734
Amount: 8.947881



Manual Integration Results

RT: 3.41
Response: 333000
Amount: 10.075420



Reviewer: ulmanm, 23-Apr-2013 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

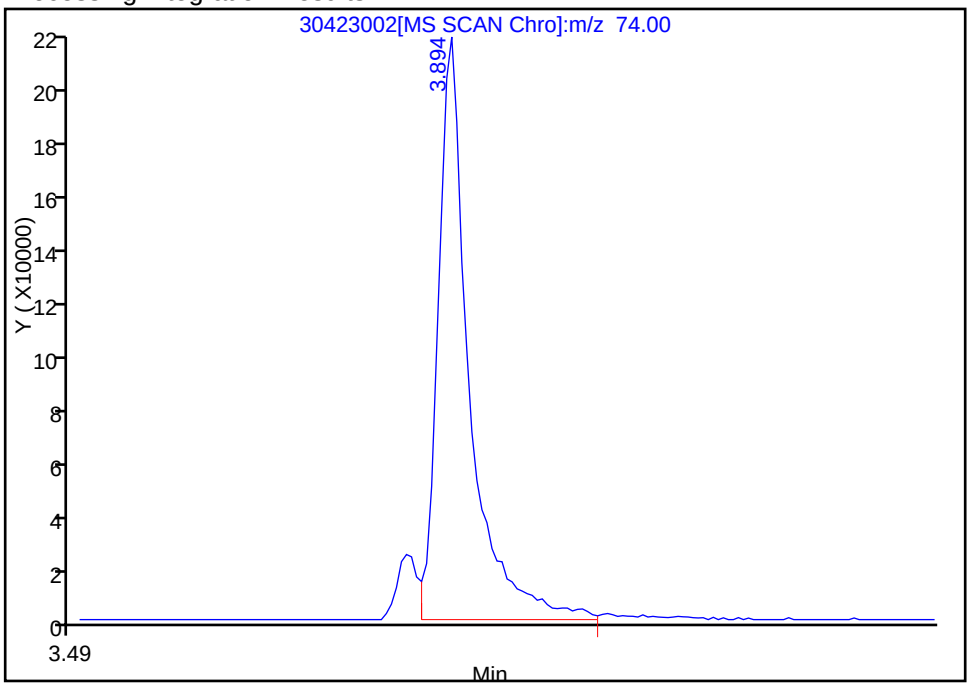
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D		
Injection Date:	23-Apr-2013 09:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.89

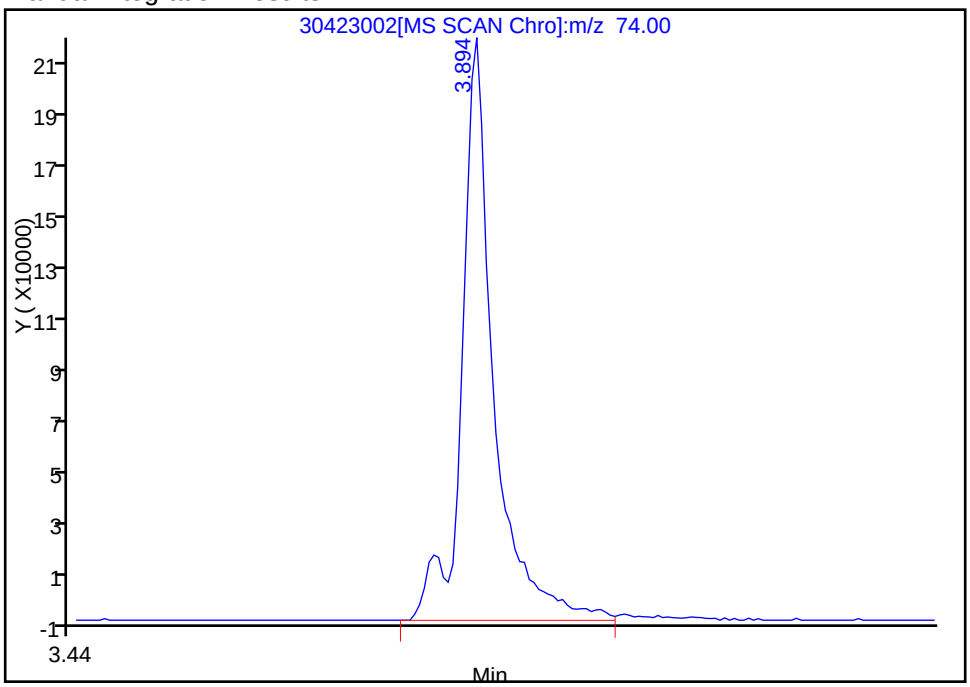
Processing Integration Results

RT: 3.89
Response: 494548
Amount: 9.057916



Manual Integration Results

RT: 3.89
Response: 528298
Amount: 9.676066



Reviewer: ulmanm, 23-Apr-2013 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

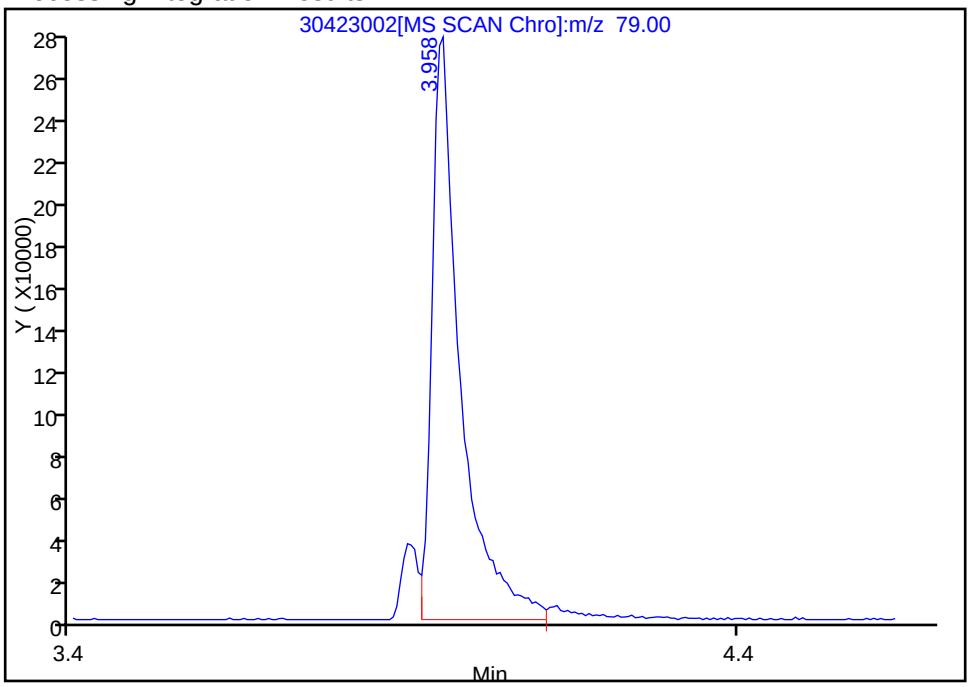
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D		
Injection Date:	23-Apr-2013 09:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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: 3.96

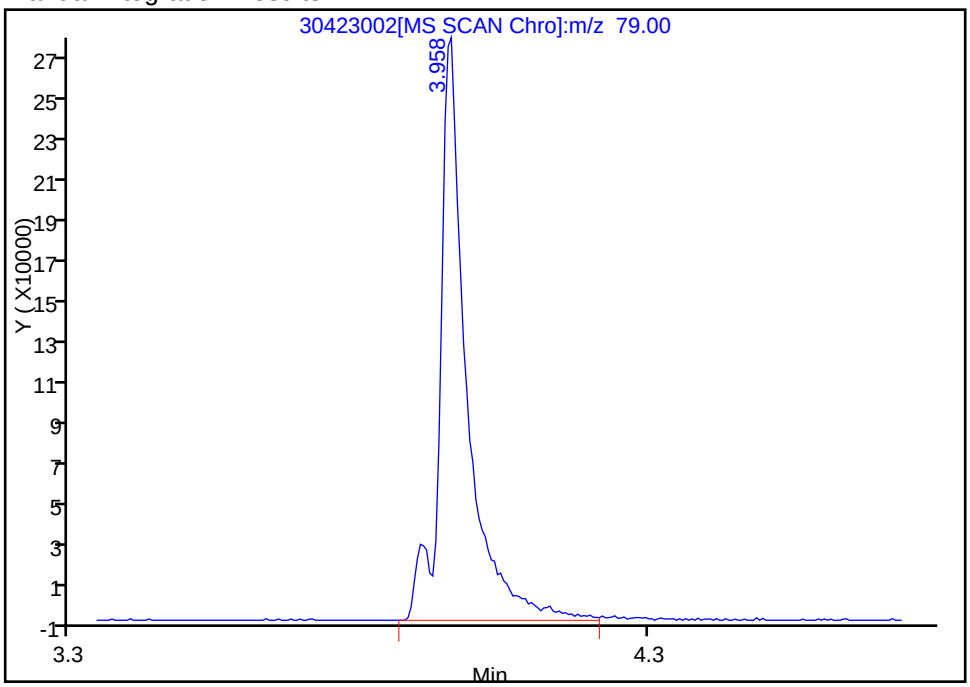
Processing Integration Results

RT: 3.96
Response: 807671
Amount: 8.862529



Manual Integration Results

RT: 3.96
Response: 885461
Amount: 9.716115



Reviewer: ulmanm, 23-Apr-2013 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

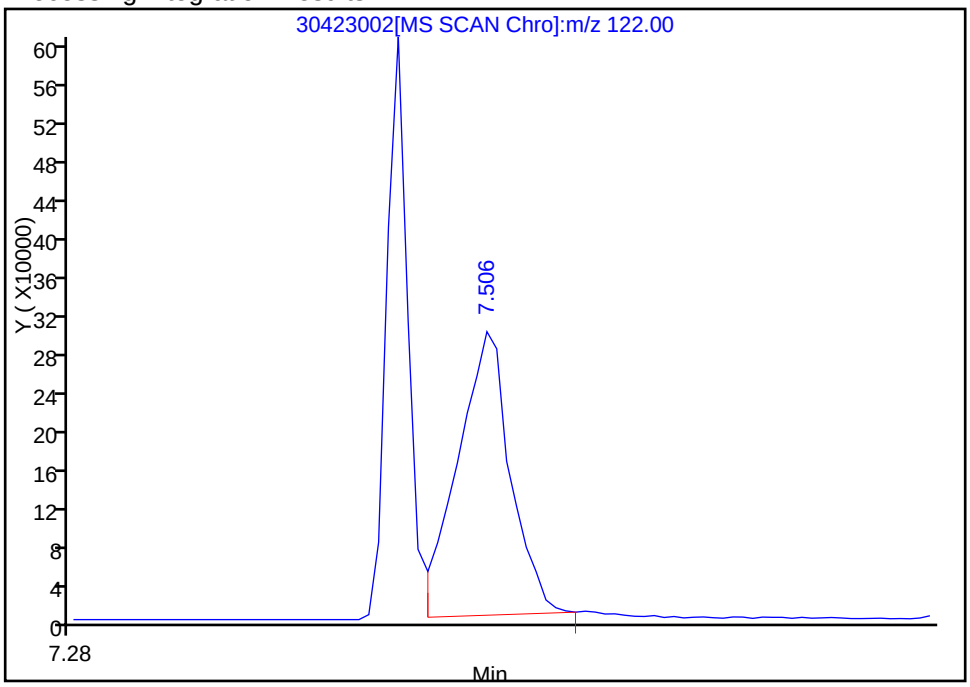
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423002.D		
Injection Date:	23-Apr-2013 09:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	2
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: 7.51

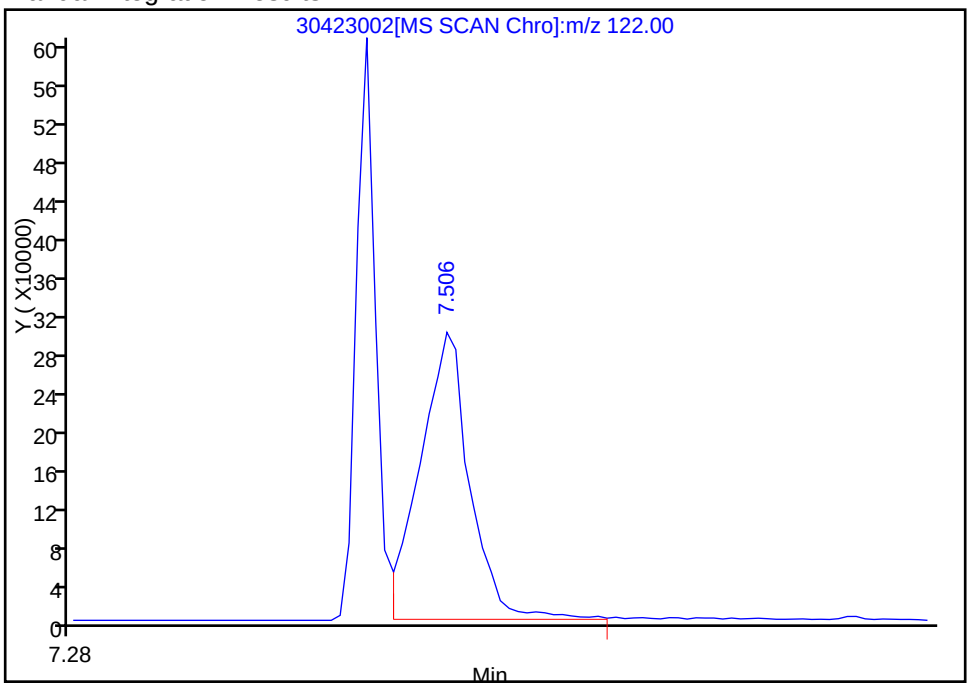
Processing Integration Results

RT: 7.51
Response: 593202
Amount: 17.777480



Manual Integration Results

RT: 7.51
Response: 626113
Amount: 18.684425



Reviewer: ulmanm, 23-Apr-2013 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/23/2013 18:53

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: 30423023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9675			0.159	0.100		
2-Methylnaphthalene	Ave	0.6099			0.168	0.100		
1-Methylnaphthalene	Ave	0.5701			0.155	0.100		
1,1'-Biphenyl	Ave	1.334			0.155	0.100		
2-Chloronaphthalene	Ave	0.9937			0.145	0.100		
Acenaphthylene	Ave	1.537			0.149	0.100		
Acenaphthene	Ave	0.9699			0.163	0.100		
Fluorene	Ave	1.097			0.163	0.100		
Hexachlorobenzene	Ave	0.1811			0.161	0.100		
Phenanthrene	Ave	0.9870			0.162	0.100		
Anthracene	Ave	0.9760			0.165	0.100		
Fluoranthene	Lin				0.185	0.100		
Pyrene	Ave	0.8829			0.163	0.100		
Benzo[a]anthracene	Ave	0.9456			0.176	0.100		
Chrysene	Ave	0.9101			0.173	0.100		
Benzo[b]fluoranthene	Ave	1.034			0.170	0.100		
Benzo[k]fluoranthene	Ave	1.172			0.165	0.100		
Benzo[a]pyrene	Ave	1.013			0.161	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.162	0.100		
Dibenz(a,h)anthracene	Ave	0.8370			0.168	0.100		
Benzo[g,h,i]perylene	Ave	0.8490			0.200	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.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/23/2013 18:53

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: 30423023.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.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/23/2013 18:53

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: 30423023.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			0.172	0.100	172*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.191			0.181	0.100	181*	45-105
Terphenyl-d14 (Surr)	Ave	0.7168			0.205	0.100	205*	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\20130423-19166.b\30423023.D
Lims ID: mdll1 Client ID:
Inject. Date: 23-Apr-2013 18:53:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019166-023
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 83126 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 09:10:03 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:35:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.696	6.694	0.002	96	234455	4.00	
* 2 Naphthalene-d8	136	7.807	7.805	0.002	99	975906	4.00	
* 3 Acenaphthene-d10	164	9.313	9.311	0.002	77	579078	4.00	
* 4 Phenanthrene-d10	188	10.585	10.588	-0.003	97	959272	4.00	
* 5 Chrysene-d12	240	12.941	12.949	-0.008	80	1136993	4.00	
* 6 Perylene-d12	264	14.965	14.969	-0.004	94	1003623	4.00	
$ 7 2-Fluorophenol	112		5.486					
$ 8 Phenol-d5	99		6.320					
$ 9 Nitrobenzene-d5	82	7.166	7.169	-0.003	75	24779	0.1722	
$ 10 2-Fluorobiphenyl (Surr)	172	8.699	8.702	-0.003	91	31127	0.1806	
$ 11 2,4,6-Tribromophenol	330		9.984					9
$ 12 Terphenyl-d14	244	11.899	11.897	0.002	92	41831	0.2053	
244 n-Octadecane	57		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	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		3.408					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		3.894					
27 Pyridine	79		3.958					
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77		6.304					
120 2-Naphthylamine	143		6.321					
43 Phenol	94		6.336					
44 Aniline	93		6.395					
69 Bis(2-chloroethyl)ether	93		6.427					
122 Thionazin	97		6.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.512					
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146		6.651					
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146		6.710					
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108		6.784					
228 Diallate Peak 1	86		6.807					
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					
230 Diallate Peak 2	86		6.882					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
52 Indene	115		6.929					
140 Dimethoate	87		6.962					9
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					
58 Acetophenone	105		7.025					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122		7.506					9
70 Bis(2-chloroethoxy)methane	93		7.532					
152 Methyl parathion	109		7.566					
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128	7.823	7.826	-0.003	65	37582	0.1592	
76 4-Chloroaniline	127		7.837					9
155 Ethyl Parathion	97		7.892					9
79 Hexachlorobutadiene	225		7.922					
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.120					
158 Isodrin	66		8.164					
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142	8.410	8.414	-0.004	78	24999	0.1680	
88 1-Methylnaphthalene	142	8.501	8.499	0.002	70	21623	0.1555	
89 Hexachlorocyclopentadiene	237		8.553					
91 1,2,4,5-Tetrachlorobenzene	216		8.558					
226 Aramite Peak 1	185		8.565					
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		8.638					9
93 2,4,5-Trichlorophenol	196		8.676					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					
98 1,1'-Biphenyl	154	8.795	8.793	0.002	90	29980	0.1553	
100 2-Chloronaphthalene	162	8.832	8.836	-0.004	91	20929	0.1455	
102 2-Nitroaniline	65		8.889					9
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.012					
106 1,3-Dinitrobenzene	168		9.055					
107 2,6-Dinitrotoluene	165		9.076					9
109 Acenaphthylene	152	9.196	9.194	0.002	87	33075	0.1486	
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138		9.231					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153	9.340	9.343	-0.003	87	22946	0.1634	
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165		9.429					9
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168		9.482					
119 2,3,4,6-Tetrachlorophenol	232		9.578					9
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166	9.773	9.776	-0.003	78	25944	0.1634	
128 4,6-Dinitro-2-methylphenol	198		9.781					9
131 N-Nitrosodiphenylamine	169		9.835					
132 1,2-Diphenylhydrazine	77		9.878					
133 Azobenzene	77		9.878					
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248		10.166					
142 Atrazine	200		10.252					
141 Hexachlorobenzene	284	10.264	10.268	-0.004	55	6980	0.1607	
143 Pentachlorophenol	266		10.412					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178	10.606	10.604	0.002	37	38418	0.1623	
149 Anthracene	178	10.649	10.652	-0.003	92	38633	0.1650	
150 DFTPP								
151 Carbazole	167		10.759					
154 Di-n-butyl phthalate	149		10.978					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.626	11.624	0.002	94	43637	0.1853	
160 Benzidine	184		11.683					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.829	11.833	-0.004	95	40907	0.1630	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149		12.271					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					9
173 Bis(2-ethylhexyl) phthalate	149		12.784					
175 3,3'-Dichlorobenzidine	252		12.848					9
177 Benzo[a]anthracene	228	12.930	12.933	-0.003	84	47298	0.1760	
178 Chrysene	228	12.973	12.976	-0.003	56	44853	0.1734	
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252	14.324	14.328	-0.004	84	44131	0.1701	
183 Benzo[k]fluoranthene	252	14.367	14.370	-0.003	86	48404	0.1645	
184 Benzo[a]pyrene	252	14.869	14.878	-0.009	62	40843	0.1606	
189 Dibenz(a,h)anthracene	278	17.209	17.223	-0.014	36	35237	0.1678	
188 Indeno[1,2,3-cd]pyrene	276	17.204	17.223	-0.019	86	41886	0.1624	
190 Benzo[g,h,i]perylene	276	17.914	17.917	-0.003	73	42697	0.2004	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

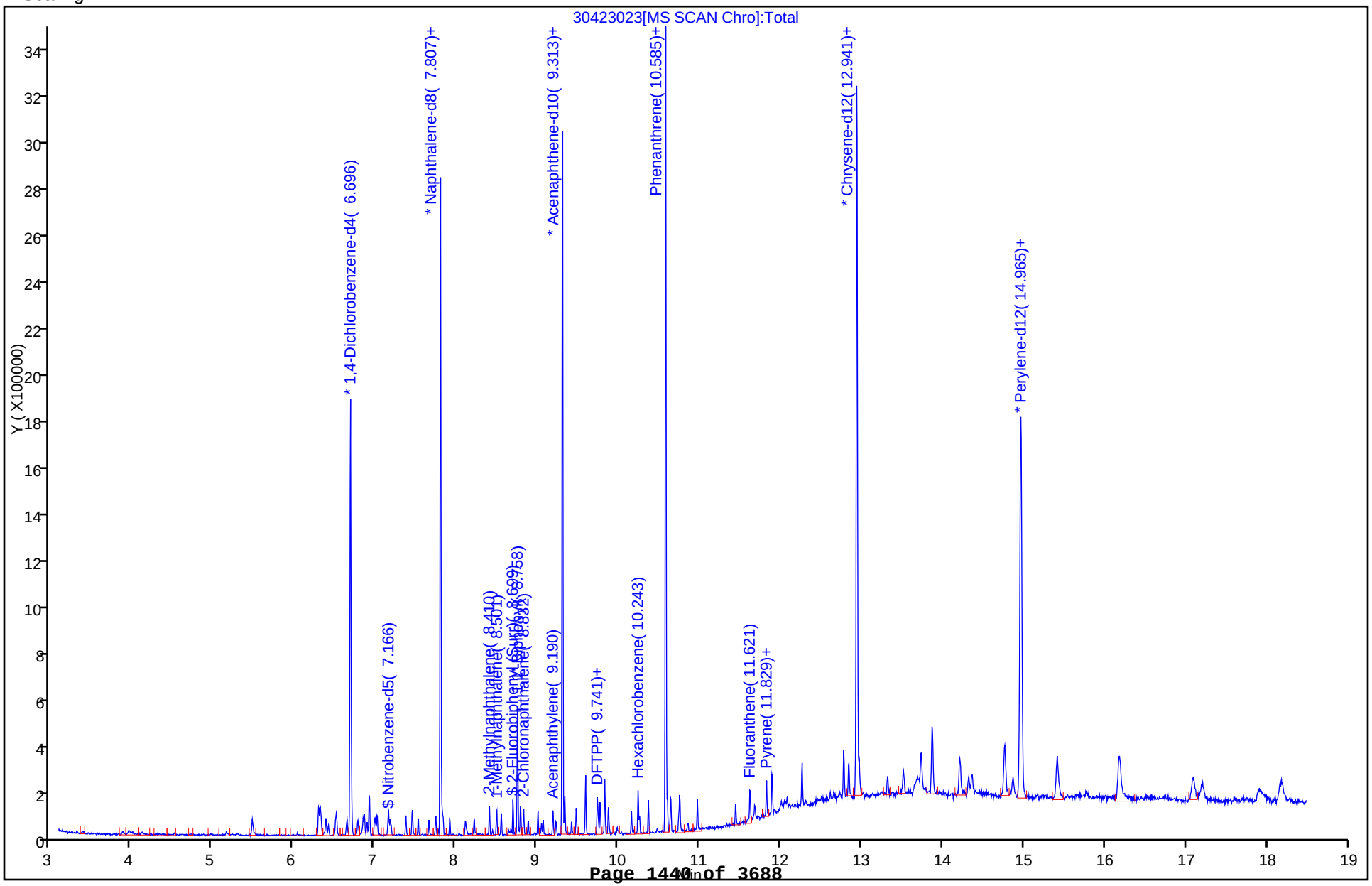
Report Date: 24-Apr-2013 09:10:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423023.D

Injection Date:	23-Apr-2013 18:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	23
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

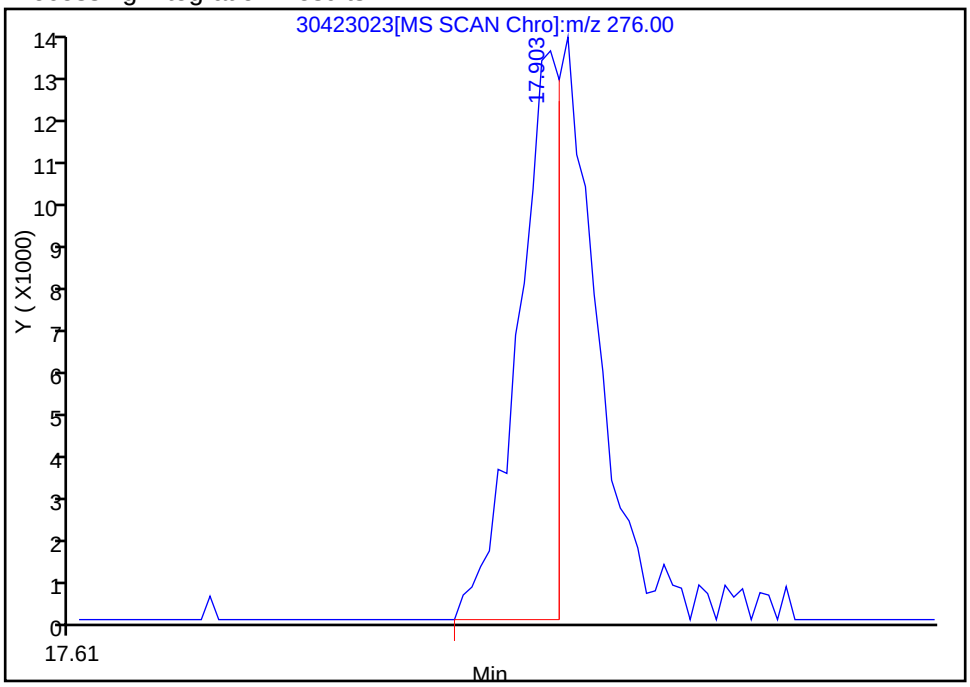
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423023.D		
Injection Date:	23-Apr-2013 18:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	23
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: 17.92

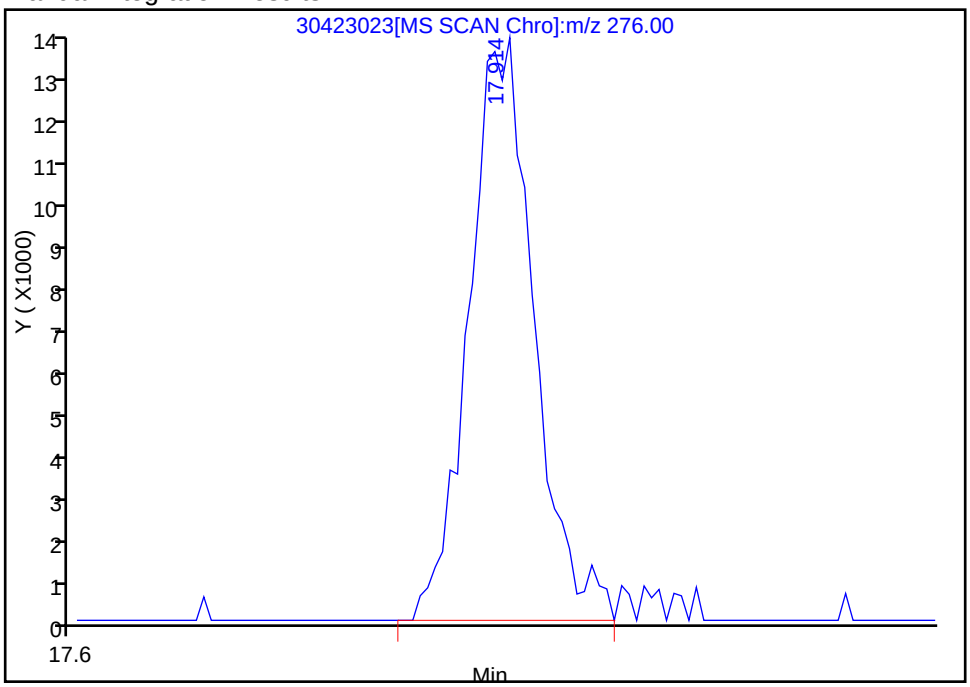
Processing Integration Results

RT: 17.90
Response: 23330
Amount: 0.109519



Manual Integration Results

RT: 17.91
Response: 42697
Amount: 0.200434



Reviewer: ulmanm, 24-Apr-2013 08:35:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/23/2013 19:19

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: 30423024.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			0.425	0.500		
N-Nitrosodimethylamine	Ave	1.347			0.483	0.500		
Pyridine	Ave	2.249			0.500	0.500		
Benzaldehyde	Ave	1.740			0.996	1.00		
Phenol	Ave	2.247			0.504	0.500		
Aniline	Ave	2.901			0.455	0.500		
Bis(2-chloroethyl)ether	Ave	2.012			0.495	0.500		
2-Chlorophenol	Ave	1.291			0.498	0.500		
1,3-Dichlorobenzene	Ave	1.354			0.484	0.500		
1,4-Dichlorobenzene	Ave	1.394			0.489	0.500		
Benzyl alcohol	Ave	1.007			0.423	0.500		
1,2-Dichlorobenzene	Ave	1.294			0.516	0.500		
2-Methylphenol	Ave	1.428			0.522	0.500		
bis (2-chloroisopropyl) ether	Ave	1.884			0.482	0.500		
3 & 4 Methylphenol	Ave	1.486			0.479	0.500		
N-Nitrosodi-n-propylamine	Ave	1.519			0.514	0.500		
Acetophenone	Ave	2.373			0.479	0.500		
Hexachloroethane	Ave	0.6609			0.525	0.500		
Nitrobenzene	Ave	0.5342			0.487	0.500		
Isophorone	Ave	0.8841			0.478	0.500		
2,4-Dimethylphenol	Ave	0.3749			0.487	0.500		
2-Nitrophenol	Ave	0.1587			0.458	0.500		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.528	0.500		
2,4-Dichlorophenol	Ave	0.2455			0.425	0.500		
1,2,4-Trichlorobenzene	Ave	0.2812			0.528	0.500		
4-Chloroaniline	Ave	0.5086			0.488	0.500		
Hexachlorobutadiene	Ave	0.1665			0.525	0.500		
Caprolactam	Ave	0.1089			0.925	1.00		
4-Chloro-3-methylphenol	Ave	0.3343			0.449	0.500		
Hexachlorocyclopentadiene	Ave	0.3194			0.139	0.500		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.540	0.500		
2,4,6-Trichlorophenol	Ave	0.2912			0.338	0.500		
2,4,5-Trichlorophenol	Ave	0.2972			0.416	0.500		
2-Nitroaniline	Ave	0.4379			0.446	0.500		
Dimethyl phthalate	Ave	1.041			0.534	0.500		
2,6-Dinitrotoluene	Ave	0.2401			0.435	0.500		
3-Nitroaniline	Ave	0.2581			0.505	0.500		
4-Nitrophenol	Ave	0.2135			0.472	1.00		
2,4-Dinitrotoluene	Ave	0.3054			0.421	0.500		
Dibenzofuran	Ave	1.399			0.493	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/23/2013 19:19

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: 30423024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.175	0.500		
Diethyl phthalate	Ave	0.9697			0.509	0.500		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.500	0.500		
4-Nitroaniline	Lin				1.08	0.500		
4,6-Dinitro-2-methylphenol	Lin1				1.18	1.00		
N-Nitrosodiphenylamine	Ave	0.4711			1.02	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.466	0.500		
Azobenzene	Ave	1.162			0.466	0.500		
4-Bromophenyl phenyl ether	Ave	0.1776			0.516	0.500		
Atrazine	Qua				1.40	1.00		
Carbazole	Lin1				0.631	0.500		
Di-n-butyl phthalate	Lin1				0.710	0.500		
Benzidine	Ave	0.3909			0.934	1.00		
Butyl benzyl phthalate	Ave	0.4024			0.459	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.527	0.500		
3,3'-Dichlorobenzidine	Ave	0.3046			0.959	1.00		
Di-n-octyl phthalate	Lin1				0.663	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		
Benzoic acid	Lin1				0.0100	1.00		
Chrysene	Ave	0.9101			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	0.8370			0.000100	0.500		
Fluoranthene	Lin				0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/23/2013 19:19

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: 30423024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
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		
Pentachlorophenol	Lin1				0.00240	1.00		
Phenanthrene	Ave	0.9870			0.000100	0.500		
Pyrene	Ave	0.8829			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.625			0.539	0.500	108*	35-105
Phenol-d5 (Surr)	Ave	2.183			0.586	0.500	117*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.289	0.500	58	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\20130423-19166.b\30423024.D
Lims ID: mdll2 Client ID:
Inject. Date: 23-Apr-2013 19:19:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019166-024
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 83126 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 09:10:03 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:39:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.697	6.694	0.003	94	200317	4.00	
* 2 Naphthalene-d8	136	7.808	7.805	0.003	98	809353	4.00	
* 3 Acenaphthene-d10	164	9.309	9.311	-0.002	77	470008	4.00	
* 4 Phenanthrene-d10	188	10.586	10.588	-0.002	96	753903	4.00	
* 5 Chrysene-d12	240	12.942	12.949	-0.007	83	920087	4.00	
* 6 Perylene-d12	264	14.967	14.969	-0.002	97	850234	4.00	
$ 7 2-Fluorophenol	112	5.490	5.486	0.004	79	43861	0.5389	
$ 8 Phenol-d5	99	6.323	6.320	0.003	90	64049	0.5857	
$ 9 Nitrobenzene-d5	82		7.169					
$ 10 2-Fluorobiphenyl (Surr)	172		8.702					
$ 11 2,4,6-Tribromophenol	330	9.982	9.984	-0.002	13	4391	0.2891	
$ 12 Terphenyl-d14	244		11.897					
244 n-Octadecane	57		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	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	3.406	3.408	-0.002	38	17368	0.4252	
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	3.898	3.894	0.004	54	32607	0.4832	M
27 Pyridine	79	3.967	3.958	0.009	93	56301	0.4999	M
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77	6.302	6.304	-0.002	84	86801	1.00	
120 2-Naphthylamine	143		6.321					
43 Phenol	94	6.334	6.336	-0.002	83	56689	0.5038	
44 Aniline	93	6.393	6.395	-0.002	94	66048	0.4546	
69 Bis(2-chloroethyl)ether	93	6.425	6.427	-0.002	81	49902	0.4952	
122 Thionazin	97		6.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.515	6.512	0.003	88	32214	0.4981	
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146	6.654	6.651	0.003	83	32840	0.4843	
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146	6.713	6.710	0.003	84	34096	0.4886	
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108	6.788	6.784	0.004	83	21355	0.4233	
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146	6.852	6.854	-0.002	84	33472	0.5164	
51 2-Methylphenol	108	6.868	6.870	-0.002	86	37309	0.5218	
230 Diallate Peak 2	86		6.882					
53 2,2'-oxybis[1-chloropropane]	45	6.900	6.897	0.003	97	45500	0.4823	
52 Indene	115	6.927	6.929	-0.002	73	131751	0.99	
140 Dimethoate	87		6.962					9
21 3 & 4 Methylphenol	108	6.996	6.993	0.003	89	35656	0.4793	
57 N-Nitrosodi-n-propylamine	70	7.007	7.009	-0.002	67	39084	0.5138	
58 Acetophenone	105	7.023	7.025	-0.002	70	56889	0.4786	
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.156	7.158	-0.002	79	17363	0.5246	
62 Nitrobenzene	77	7.183	7.185	-0.002	78	52658	0.4872	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82	7.381	7.377	0.004	95	85452	0.4777	
65 2,4-Dimethylphenol	107	7.456	7.458	-0.002	91	36980	0.4875	
66 2-Nitrophenol	139	7.461	7.463	-0.002	80	14690	0.4575	
71 Benzoic acid	122		7.506					
70 Bis(2-chloroethoxy)methane	93	7.530	7.532	-0.002	94	54674	0.5280	
152 Methyl parathion	109		7.566					
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.664	7.666	-0.002	88	21123	0.4253	
74 1,2,4-Trichlorobenzene	180	7.749	7.751	-0.002	86	30035	0.5279	
75 Naphthalene	128		7.826					
76 4-Chloroaniline	127	7.840	7.837	0.003	59	50209	0.4879	
155 Ethyl Parathion	97		7.892					9
79 Hexachlorobutadiene	225	7.920	7.922	-0.002	86	17694	0.5252	
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.113	8.120	-0.007	72	20390	0.9252	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.220	8.222	-0.002	81	30343	0.4486	
87 2-Methylnaphthalene	142		8.414					
88 1-Methylnaphthalene	142		8.499					
89 Hexachlorocyclopentadiene	237	8.551	8.553	-0.002	36	5219	0.1390	
91 1,2,4,5-Tetrachlorobenzene	216	8.556	8.558	-0.002	90	29161	0.5400	
226 Aramite Peak 1	185		8.565					9
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	8.642	8.638	0.004	83	11567	0.3380	
93 2,4,5-Trichlorophenol	196	8.674	8.676	-0.002	80	14539	0.4164	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.793					
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65	8.887	8.889	-0.002	62	22964	0.4463	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.010	9.012	-0.002	93	65379	0.5343	
106 1,3-Dinitrobenzene	168	9.053	9.055	-0.002	73	8707	0.4379	
107 2,6-Dinitrotoluene	165	9.074	9.076	-0.002	54	12268	0.4349	
109 Acenaphthylene	152		9.194					
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138	9.229	9.231	-0.002	82	15309	0.5047	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109	9.336	9.338	-0.002	43	11831	0.4715	
112 Acenaphthene	153		9.343					
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165	9.427	9.429	-0.002	70	15119	0.4213	
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168	9.480	9.482	-0.002	80	80983	0.4927	
119 2,3,4,6-Tetrachlorophenol	232	9.582	9.578	0.004	14	4749	0.1748	
121 Diethyl phthalate	149	9.598	9.600	-0.002	91	58053	0.5095	
123 4-Chlorophenyl phenyl ether	204	9.742	9.744	-0.002	90	32173	0.4996	
125 4-Nitroaniline	138	9.753	9.755	-0.002	70	12906	1.08	
126 Fluorene	166		9.776					
128 4,6-Dinitro-2-methylphenol	198	9.785	9.781	0.004	36	3697	1.18	
131 N-Nitrosodiphenylamine	169	9.833	9.835	-0.002	98	90580	1.02	
132 1,2-Diphenylhydrazine	77	9.876	9.878	-0.002	99	102024	0.4659	
133 Azobenzene	77	9.876	9.878	-0.002	94	102024	0.4659	
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248	10.164	10.166	-0.002	67	17285	0.5164	
142 Atrazine	200	10.244	10.252	-0.008	84	33272	1.40	
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					9
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178		10.604					
149 Anthracene	178		10.652					
150 DFTPP								
151 Carbazole	167	10.757	10.759	-0.002	79	76777	0.6306	
154 Di-n-butyl phthalate	149	10.976	10.978	-0.002	99	91476	0.7104	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.624					
160 Benzidine	184	11.687	11.683	0.004	81	83973	0.9338	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.833					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149	12.269	12.271	-0.002	84	42507	0.4593	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					
173 Bis(2-ethylhexyl) phthalate	149	12.782	12.784	-0.002	93	65352	0.5272	
175 3,3'-Dichlorobenzidine	252	12.846	12.848	-0.002	61	67159	0.9586	
177 Benzo[a]anthracene	228		12.933					
178 Chrysene	228		12.976					
180 Di-n-octyl phthalate	149	13.514	13.521	-0.007	92	101042	0.6632	
182 Benzo[b]fluoranthene	252		14.328					
183 Benzo[k]fluoranthene	252		14.370					
184 Benzo[a]pyrene	252		14.878					
189 Dibenz(a,h)anthracene	278		17.223					9
188 Indeno[1,2,3-cd]pyrene	276		17.223					
190 Benzo[g,h,i]perylene	276		17.917					
S 191 Methyl Phenols,Total	100				0		1.00	
S 245 Total Cresols	100				0		1.00	
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

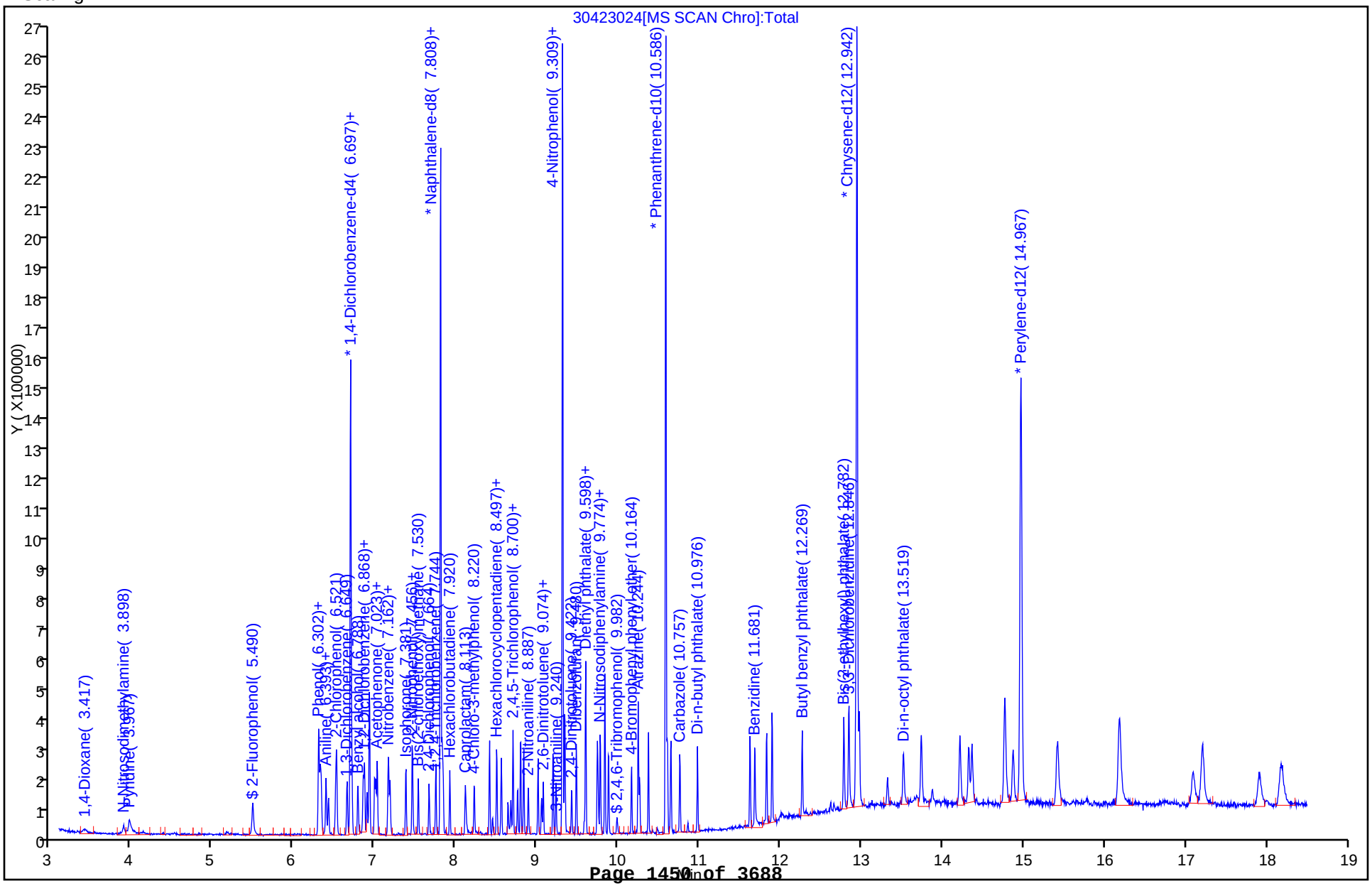
Report Date: 24-Apr-2013 09:10:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423024.D

Injection Date:	23-Apr-2013 19:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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

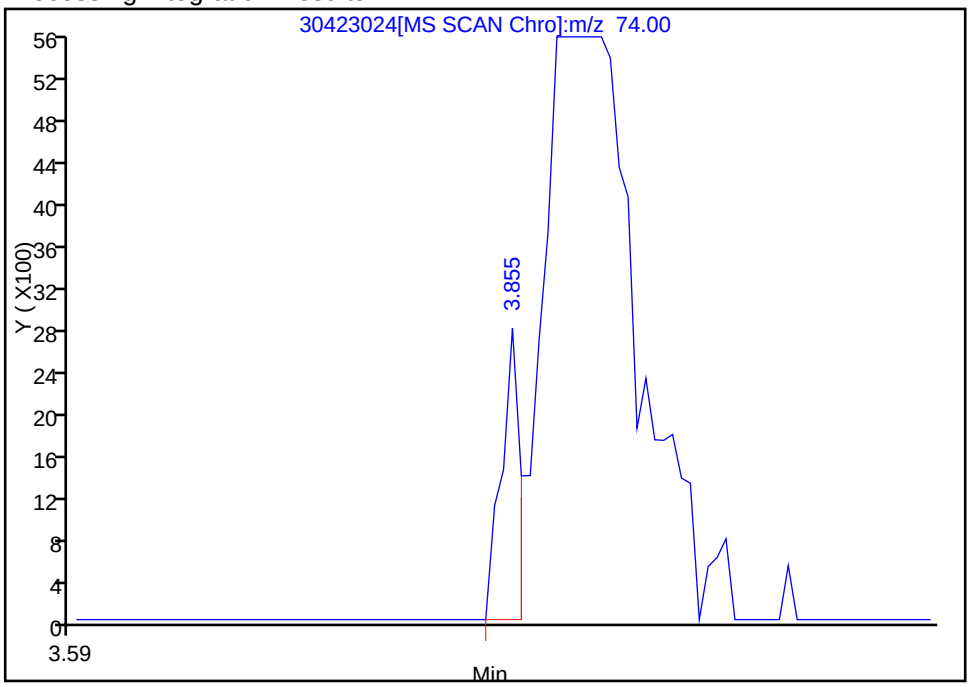
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423024.D		
Injection Date:	23-Apr-2013 19:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	24
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.89

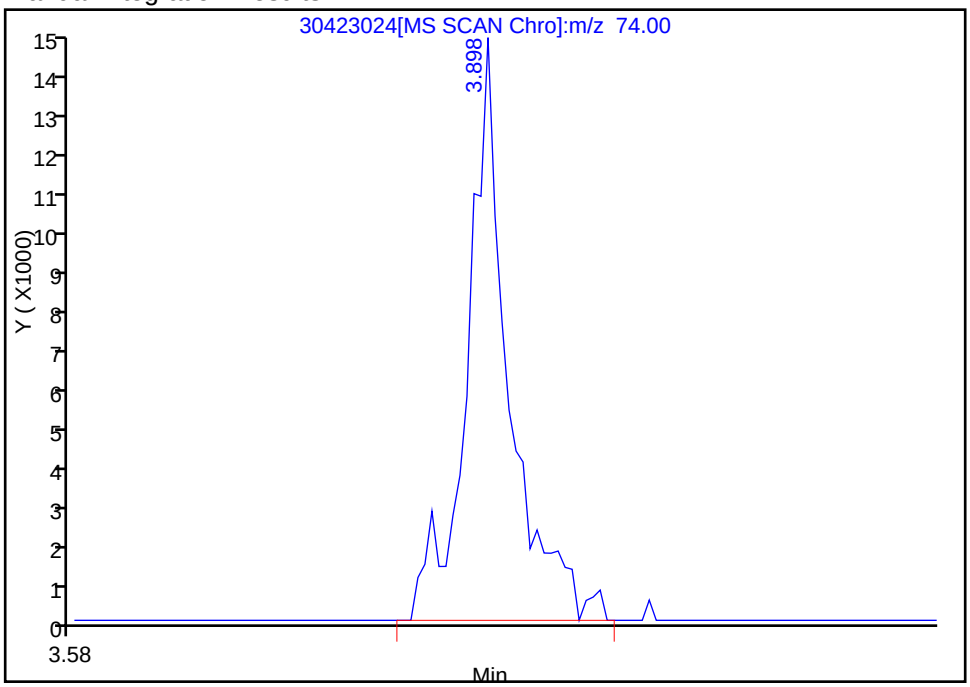
Processing Integration Results

RT: 3.86
Response: 2130
Amount: 0.031565



Manual Integration Results

RT: 3.90
Response: 32607
Amount: 0.483211



Reviewer: ulmanm, 24-Apr-2013 08:39:58
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

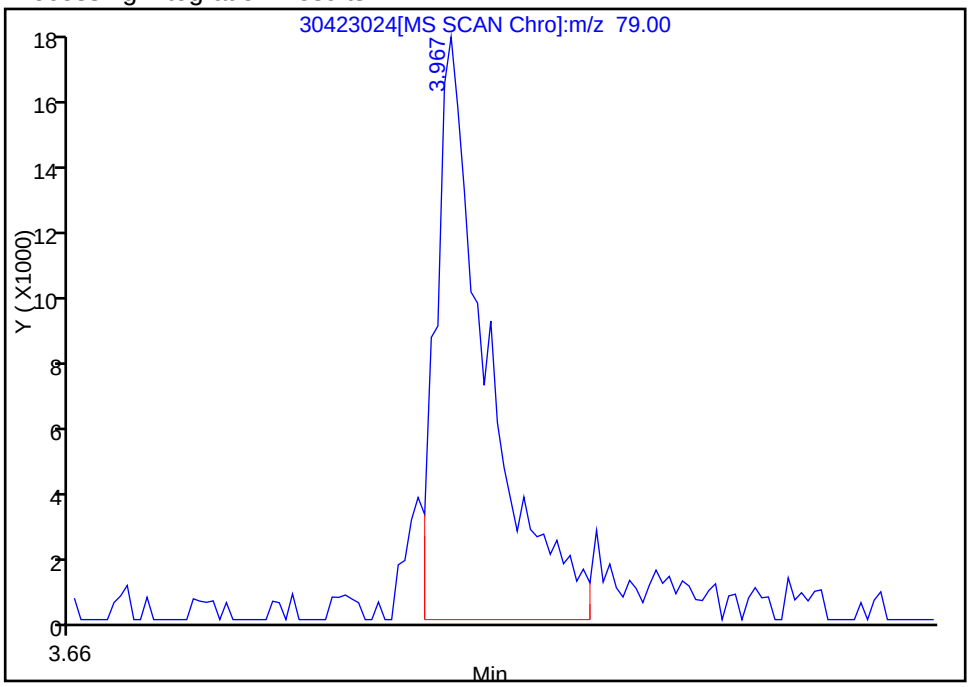
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423024.D		
Injection Date:	23-Apr-2013 19:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	24
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: 3.96

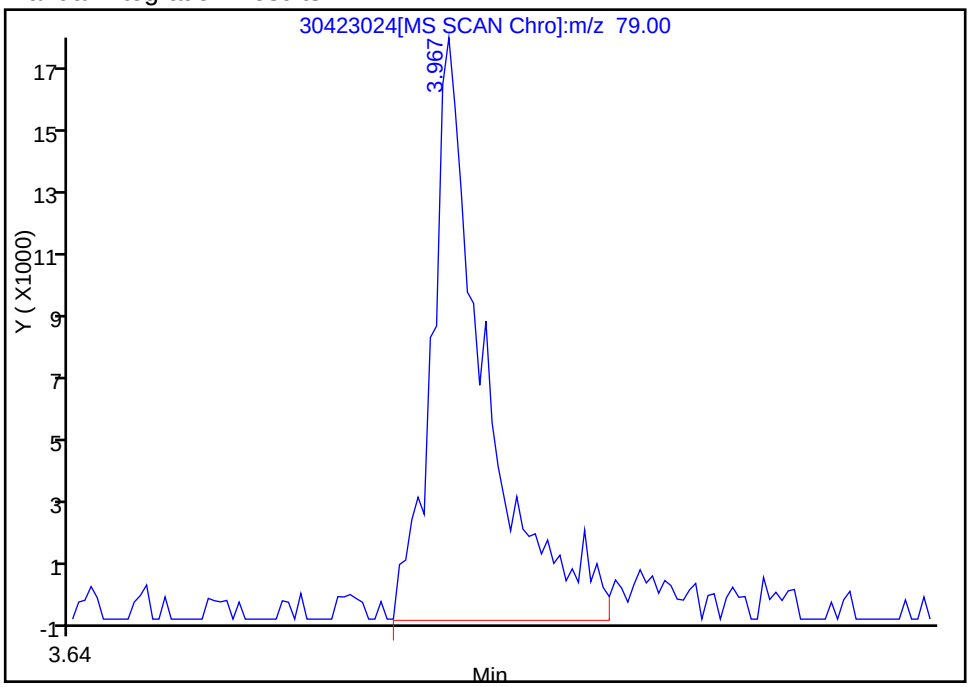
Processing Integration Results

RT: 3.97
Response: 50395
Amount: 0.447422



Manual Integration Results

RT: 3.97
Response: 56301
Amount: 0.499857



Reviewer: ulmanm, 24-Apr-2013 08:39:58
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/23/2013 19:45

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: 30423025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Lin1				1.61	2.00		
Pentachlorophenol	Lin1				1.28	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-Dinitrophenol	Qua				0.00240	2.00		
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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/23/2013 19:45

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: 30423025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloro-3-methylphenol	Ave	0.3343			0.000800	1.00		
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		
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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/23/2013 19:45

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: 30423025.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	1.00		
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		
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\20130423-19166.b\30423025.D
Lims ID: mdll3 Client ID:
Inject. Date: 23-Apr-2013 19:45:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019166-025
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 83126 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 09:10:03 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:42:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.692	6.694	-0.002	87	214747	4.00	
* 2 Naphthalene-d8	136	7.809	7.805	0.004	99	883556	4.00	
* 3 Acenaphthene-d10	164	9.310	9.311	-0.001	77	529651	4.00	
* 4 Phenanthrene-d10	188	10.587	10.588	-0.001	98	867469	4.00	
* 5 Chrysene-d12	240	12.943	12.949	-0.006	77	1075871	4.00	
* 6 Perylene-d12	264	14.967	14.969	-0.002	98	899376	4.00	
$ 7 2-Fluorophenol	112		5.486					
$ 8 Phenol-d5	99		6.320					
$ 9 Nitrobenzene-d5	82		7.169					
$ 10 2-Fluorobiphenyl (Surr)	172		8.702					
$ 11 2,4,6-Tribromophenol	330		9.984					
$ 12 Terphenyl-d14	244		11.897					
244 n-Octadecane	57		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	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		3.408					
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		3.894					
27 Pyridine	79		3.958					
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77		6.304					
120 2-Naphthylamine	143		6.321					
43 Phenol	94		6.336					
44 Aniline	93		6.395					
69 Bis(2-chloroethyl)ether	93		6.427					
122 Thionazin	97		6.433					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.512					
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146		6.651					
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146		6.710					
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108		6.784					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					
230 Diallate Peak 2	86		6.882					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
52 Indene	115		6.929					
140 Dimethoate	87		6.962					9
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					
58 Acetophenone	105		7.025					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122	7.499	7.506	-0.007	60	8682	1.61	
70 Bis(2-chloroethoxy)methane	93		7.532					
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128		7.826					
76 4-Chloroaniline	127		7.837					
155 Ethyl Parathion	97		7.892					9
79 Hexachlorobutadiene	225		7.922					
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.120					
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142		8.414					
88 1-Methylnaphthalene	142		8.499					
89 Hexachlorocyclopentadiene	237		8.553					
91 1,2,4,5-Tetrachlorobenzene	216		8.558					
226 Aramite Peak 1	185		8.565					
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		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.793					
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65		8.889					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.012					
106 1,3-Dinitrobenzene	168		9.055					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138		9.231					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.317					
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153		9.343					
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165		9.429					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168		9.482					
119 2,3,4,6-Tetrachlorophenol	232		9.578					
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166		9.776					
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
132 1,2-Diphenylhydrazine	77		9.878					
133 Azobenzene	77		9.878					
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248		10.166					
142 Atrazine	200		10.252					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266	10.416	10.412	0.004	64	9008	1.28	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178		10.604					
149 Anthracene	178		10.652					
150 DFTPP								
151 Carbazole	167		10.759					
154 Di-n-butyl phthalate	149		10.978					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.624					
160 Benzidine	184		11.683					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.833					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149		12.271					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					
173 Bis(2-ethylhexyl) phthalate	149		12.784					
175 3,3'-Dichlorobenzidine	252		12.848					
177 Benzo[a]anthracene	228		12.933					
178 Chrysene	228		12.976					
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252		14.328					
183 Benzo[k]fluoranthene	252		14.370					
184 Benzo[a]pyrene	252		14.878					
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276		17.223					
190 Benzo[g,h,i]perylene	276		17.917					
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

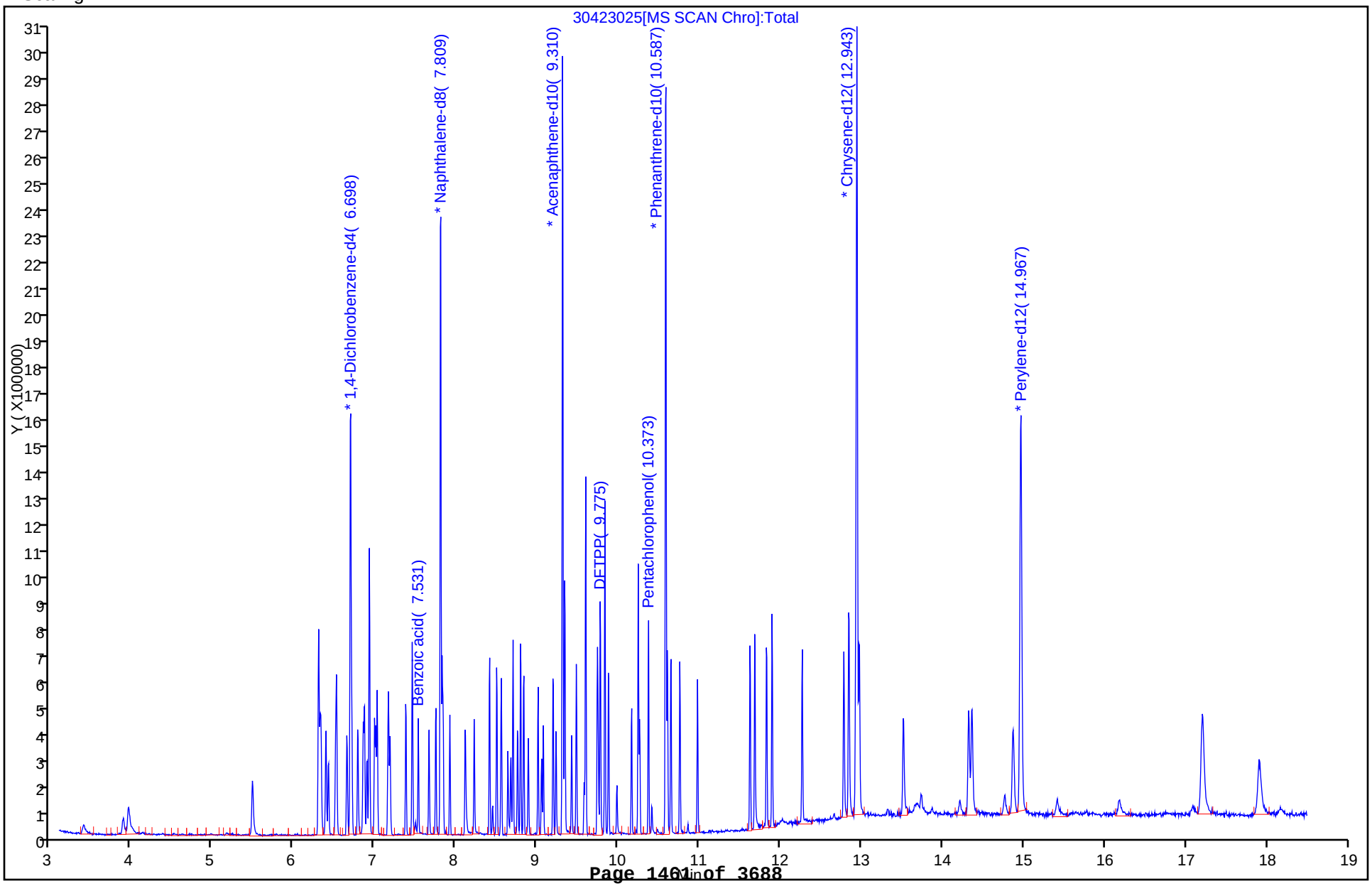
Report Date: 24-Apr-2013 09:10:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423025.D

Injection Date:	23-Apr-2013 19:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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.: 240-22804-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/23/2013 20:10

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: 30423026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				1.13	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.: 240-22804-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/23/2013 20:10

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: 30423026.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.: 240-22804-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/23/2013 20:10

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: 30423026.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\20130423-19166.b\30423026.D
Lims ID: mdll4 Client ID:
Inject. Date: 23-Apr-2013 20:10:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019166-026
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 83126 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m
Last Update: 24-Apr-2013 09:10:03 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: XAWRK009

First Level Reviewer: ulmanm Date: 24-Apr-2013 08:45:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	93	226437	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	99	955326	4.00	
* 3 Acenaphthene-d10	164	9.311	9.311	0.0	78	577173	4.00	
* 4 Phenanthrene-d10	188	10.583	10.588	-0.005	97	910652	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	81	1159172	4.00	
* 6 Perylene-d12	264	14.968	14.969	-0.001	94	964997	4.00	
$ 7 2-Fluorophenol	112		5.486					
$ 8 Phenol-d5	99		6.320					
$ 9 Nitrobenzene-d5	82		7.169					
$ 10 2-Fluorobiphenyl (Surr)	172		8.702					
$ 11 2,4,6-Tribromophenol	330		9.984					
$ 12 Terphenyl-d14	244		11.897					
244 n-Octadecane	57		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	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		3.408					
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		3.894					
27 Pyridine	79		3.958					
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77		6.304					
120 2-Naphthylamine	143		6.321					
43 Phenol	94		6.336					
44 Aniline	93		6.395					
69 Bis(2-chloroethyl)ether	93		6.427					
122 Thionazin	97		6.433					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.512					
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146		6.651					
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146		6.710					
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108		6.784					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146		6.854					
51 2-Methylphenol	108		6.870					
230 Diallate Peak 2	86		6.882					9
53 2,2'-oxybis[1-chloropropane]	45		6.897					
52 Indene	115		6.929					
140 Dimethoate	87		6.962					
21 3 & 4 Methylphenol	108		6.993					
57 N-Nitrosodi-n-propylamine	70		7.009					
58 Acetophenone	105		7.025					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.158					
62 Nitrobenzene	77		7.185					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82		7.377					
65 2,4-Dimethylphenol	107		7.458					
66 2-Nitrophenol	139		7.463					
71 Benzoic acid	122		7.506					
70 Bis(2-chloroethoxy)methane	93		7.532					
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162		7.666					
74 1,2,4-Trichlorobenzene	180		7.751					
75 Naphthalene	128		7.826					
76 4-Chloroaniline	127		7.837					
155 Ethyl Parathion	97		7.892					9
79 Hexachlorobutadiene	225		7.922					
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.120					
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107		8.222					
87 2-Methylnaphthalene	142		8.414					
88 1-Methylnaphthalene	142		8.499					
89 Hexachlorocyclopentadiene	237		8.553					
91 1,2,4,5-Tetrachlorobenzene	216		8.558					
226 Aramite Peak 1	185		8.565					9
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		8.638					
93 2,4,5-Trichlorophenol	196		8.676					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.793					
100 2-Chloronaphthalene	162		8.836					
102 2-Nitroaniline	65		8.889					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.012					
106 1,3-Dinitrobenzene	168		9.055					
107 2,6-Dinitrotoluene	165		9.076					
109 Acenaphthylene	152		9.194					
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138		9.231					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.317	9.317	0.0	22	4272	1.13	
113 4-Nitrophenol	109		9.338					
112 Acenaphthene	153		9.343					
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165		9.429					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168		9.482					
119 2,3,4,6-Tetrachlorophenol	232		9.578					
121 Diethyl phthalate	149		9.600					
123 4-Chlorophenyl phenyl ether	204		9.744					
125 4-Nitroaniline	138		9.755					
126 Fluorene	166		9.776					
128 4,6-Dinitro-2-methylphenol	198		9.781					
131 N-Nitrosodiphenylamine	169		9.835					
132 1,2-Diphenylhydrazine	77		9.878					
133 Azobenzene	77		9.878					
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248		10.166					
142 Atrazine	200		10.252					
141 Hexachlorobenzene	284		10.268					
143 Pentachlorophenol	266		10.412					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178		10.604					
149 Anthracene	178		10.652					
150 DFTPP								
151 Carbazole	167		10.759					
154 Di-n-butyl phthalate	149		10.978					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.624					
160 Benzidine	184		11.683					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.833					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149		12.271					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					
173 Bis(2-ethylhexyl) phthalate	149		12.784					
175 3,3'-Dichlorobenzidine	252		12.848					
177 Benzo[a]anthracene	228		12.933					
178 Chrysene	228		12.976					
180 Di-n-octyl phthalate	149		13.521					
182 Benzo[b]fluoranthene	252		14.328					
183 Benzo[k]fluoranthene	252		14.370					
184 Benzo[a]pyrene	252		14.878					
189 Dibenz(a,h)anthracene	278		17.223					
188 Indeno[1,2,3-cd]pyrene	276		17.223					
190 Benzo[g,h,i]perylene	276		17.917					
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

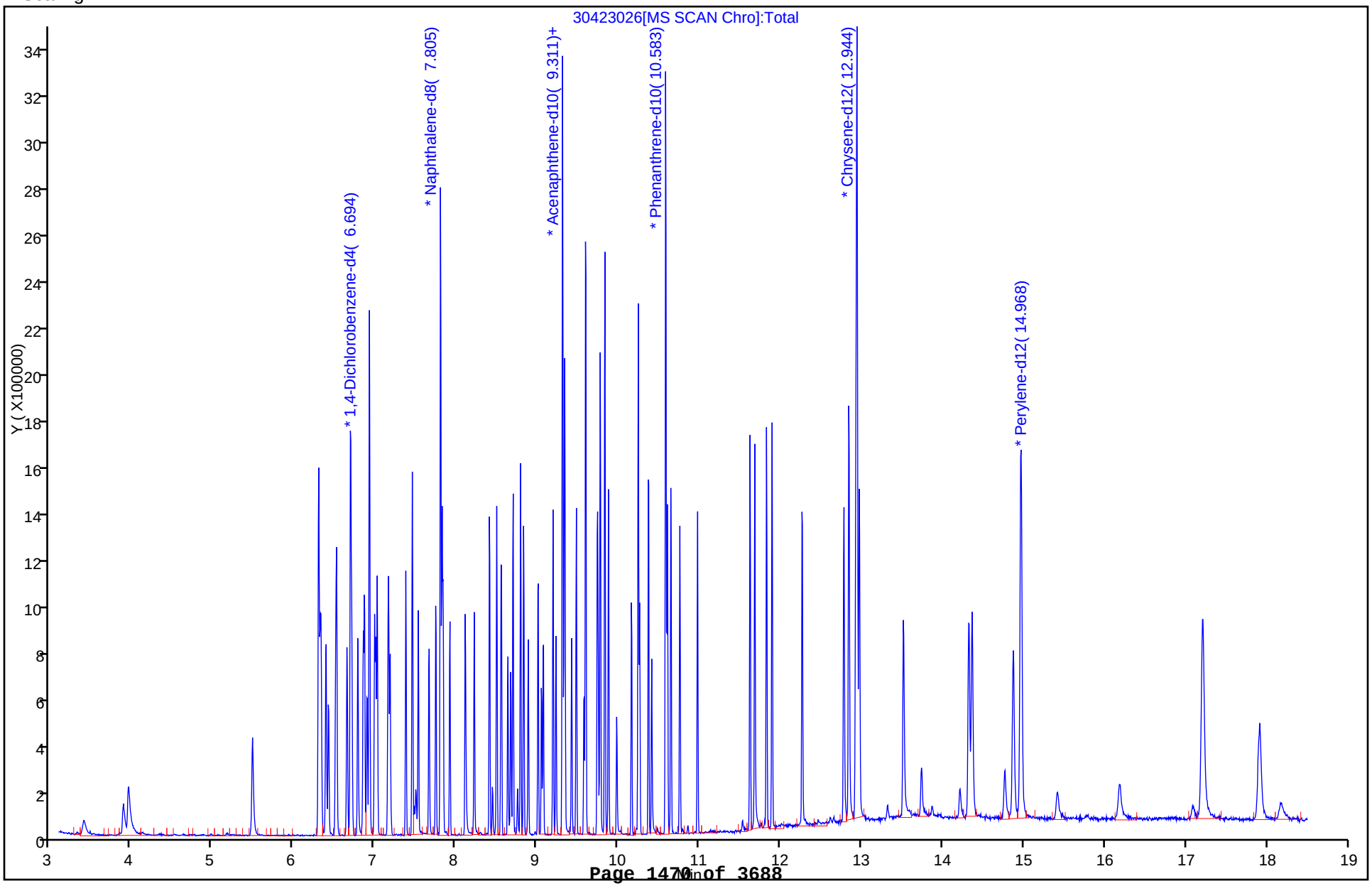
Report Date: 24-Apr-2013 09:10:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423026.D

Injection Date:	23-Apr-2013 20:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83882/2 Calibration Date: 04/28/2013 15:12

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: 30428002.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	0.8914	0.0500	10.9	10.0	9.3	20.0
N-Nitrosodimethylamine	Ave	1.347	1.421	0.0500	10.5	10.0	5.5	20.0
Pyridine	Ave	2.249	2.381	0.0500	10.6	10.0	5.8	20.0
Benzaldehyde	Ave	1.740	1.777	0.0500	20.4	20.0	2.1	20.0
Phenol	Ave	2.247	2.356	0.0500	10.5	10.0	4.9	20.0
Aniline	Ave	2.901	3.097	0.0500	10.7	10.0	6.8	20.0
Bis(2-chloroethyl)ether	Ave	2.012	2.043	0.0500	10.2	10.0	1.5	20.0
2-Chlorophenol	Ave	1.291	1.329	0.0500	10.3	10.0	2.9	20.0
1,3-Dichlorobenzene	Ave	1.354	1.377	0.0500	10.2	10.0	1.7	20.0
1,4-Dichlorobenzene	Ave	1.394	1.413	0.0500	10.1	10.0	1.4	20.0
Benzyl alcohol	Ave	1.007	1.090	0.0500	10.8	10.0	8.2	20.0
1,2-Dichlorobenzene	Ave	1.294	1.320	0.0500	10.2	10.0	1.9	20.0
2-Methylphenol	Ave	1.428	1.519	0.0500	10.6	10.0	6.4	20.0
bis (2-chloroisopropyl) ether	Ave	1.884	1.985	0.0500	10.5	10.0	5.4	20.0
3 & 4 Methylphenol	Ave	1.486	1.584	0.0500	10.7	10.0	6.6	20.0
N-Nitrosodi-n-propylamine	Ave	1.519	1.567	0.0500	10.3	10.0	3.2	20.0
Acetophenone	Ave	2.373	2.413	0.0500	10.2	10.0	1.7	20.0
Hexachloroethane	Ave	0.6609	0.6831	0.0500	10.3	10.0	3.4	20.0
Nitrobenzene	Ave	0.5342	0.5434	0.0500	10.2	10.0	1.7	20.0
Isophorone	Ave	0.8841	0.9199	0.0500	10.4	10.0	4.0	20.0
2,4-Dimethylphenol	Ave	0.3749	0.3798	0.0500	10.1	10.0	1.3	20.0
2-Nitrophenol	Ave	0.1587	0.1647	0.0500	10.4	10.0	3.8	20.0
Benzoic acid	Lin1		0.1834	0.0500	18.6	20.0	-6.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.5117	0.5342	0.0500	10.4	10.0	4.4	20.0
2,4-Dichlorophenol	Ave	0.2455	0.2503	0.0500	10.2	10.0	2.0	20.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2718	0.0500	9.66	10.0	-3.4	20.0
Naphthalene	Ave	0.9675	0.9634	0.0500	9.96	10.0	-0.4	20.0
4-Chloroaniline	Ave	0.5086	0.5190	0.0500	10.2	10.0	2.0	20.0
Hexachlorobutadiene	Ave	0.1665	0.1575	0.0500	9.46	10.0	-5.4	20.0
Caprolactam	Ave	0.1089	0.1139	0.0500	20.9	20.0	4.5	20.0
4-Chloro-3-methylphenol	Ave	0.3343	0.3390	0.0500	10.1	10.0	1.4	20.0
2-Methylnaphthalene	Ave	0.6099	0.5838	0.0500	9.57	10.0	-4.3	20.0
1-Methylnaphthalene	Ave	0.5701	0.5409	0.0500	9.49	10.0	-5.1	20.0
Hexachlorocyclopentadiene	Ave	0.3194	0.3185	0.0500	9.97	10.0	-0.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4681	0.0500	10.2	10.0	1.9	20.0
2,4,6-Trichlorophenol	Ave	0.2912	0.3148	0.0500	10.8	10.0	8.1	20.0
2,4,5-Trichlorophenol	Ave	0.2972	0.3137	0.0500	10.6	10.0	5.6	20.0
1,1'-Biphenyl	Ave	1.334	1.340	0.0500	10.0	10.0	0.4	20.0
2-Chloronaphthalene	Ave	0.9937	1.021	0.0500	10.3	10.0	2.8	20.0
2-Nitroaniline	Ave	0.4379	0.4978	0.0500	11.4	10.0	13.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83882/2 Calibration Date: 04/28/2013 15:12

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: 30428002.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	1.061	0.0500	10.2	10.0	1.9	20.0
2,6-Dinitrotoluene	Ave	0.2401	0.2602	0.0500	10.8	10.0	8.4	20.0
Acenaphthylene	Ave	1.537	1.560	0.0500	10.1	10.0	1.5	20.0
3-Nitroaniline	Ave	0.2581	0.3012	0.0500	11.7	10.0	16.7	20.0
2,4-Dinitrophenol	Qua		0.1632	0.0500	21.3	20.0	6.3	20.0
4-Nitrophenol	Ave	0.2135	0.2438	0.0500	22.8	20.0	14.2	20.0
Acenaphthene	Ave	0.9699	0.9196	0.0500	9.48	10.0	-5.2	20.0
2,4-Dinitrotoluene	Ave	0.3054	0.3370	0.0500	11.0	10.0	10.3	20.0
Dibenzofuran	Ave	1.399	1.343	0.0500	9.60	10.0	-4.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2457	0.0500	10.6	10.0	6.3	20.0
Diethyl phthalate	Ave	0.9697	0.998	0.0500	10.3	10.0	2.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5042	0.0500	9.20	10.0	-8.0	20.0
4-Nitroaniline	Lin		0.3169	0.0500	10.6	10.0	5.7	20.0
Fluorene	Ave	1.097	1.045	0.0500	9.53	10.0	-4.7	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1278	0.0500	18.1	20.0	-9.5	20.0
N-Nitrosodiphenylamine	Ave	0.4711	0.4342	0.0500	18.4	20.0	-7.8	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.071	0.0500	9.22	10.0	-7.8	20.0
Azobenzene	Ave	1.162	1.071	0.0500	9.22	10.0	-7.8	20.0
4-Bromophenyl phenyl ether	Ave	0.1776	0.1597	0.0500	8.99	10.0	-10.1	20.0
Atrazine	Qua		0.1937	0.0500	18.7	20.0	-6.4	20.0
Hexachlorobenzene	Ave	0.1811	0.1539	0.0500	8.50	10.0	-15.0	20.0
Pentachlorophenol	Lin1		0.1089	0.0500	17.9	20.0	-10.7	20.0
Phenanthrene	Ave	0.9870	0.9499	0.0500	9.62	10.0	-3.8	20.0
Anthracene	Ave	0.9760	0.9934	0.0500	10.2	10.0	1.8	20.0
Carbazole	Lin1		0.9403	0.0500	9.68	10.0	-3.2	20.0
Di-n-butyl phthalate	Lin1		1.163	0.0500	9.64	10.0	-3.6	20.0
Fluoranthene	Lin		1.140	0.0500	9.53	10.0	-4.7	20.0
Benzidine	Ave	0.3909	0.4170	0.0500	21.3	20.0	6.7	20.0
Pyrene	Ave	0.8829	0.9695	0.0500	11.0	10.0	9.8	20.0
Butyl benzyl phthalate	Ave	0.4024	0.4421	0.0500	11.0	10.0	9.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.6169	0.0500	11.4	10.0	14.5	20.0
3,3'-Dichlorobenzidine	Ave	0.3046	0.3308	0.0500	21.7	20.0	8.6	20.0
Benzo[a]anthracene	Ave	0.9456	0.9604	0.0500	10.2	10.0	1.6	20.0
Chrysene	Ave	0.9101	0.9070	0.0500	9.97	10.0	-0.3	20.0
Di-n-octyl phthalate	Lin1		1.336	0.0500	9.94	10.0	-0.6	20.0
Benzo[b]fluoranthene	Ave	1.034	1.064	0.0500	10.3	10.0	2.9	20.0
Benzo[k]fluoranthene	Ave	1.172	1.179	0.0500	10.1	10.0	0.6	20.0
Benzo[a]pyrene	Ave	1.013	1.046	0.0500	10.3	10.0	3.3	20.0
Dibenz(a,h)anthracene	Ave	0.8370	0.9306	0.0500	11.1	10.0	11.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.115	0.0500	10.8	10.0	8.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-83882/2 Calibration Date: 04/28/2013 15:12

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: 30428002.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	0.9512	0.0500	11.2	10.0	12.0	20.0
2-Fluorophenol (Surr)	Ave	1.625	1.711	0.0500	10.5	10.0	5.2	20.0
Phenol-d5 (Surr)	Ave	2.183	2.250	0.0500	10.3	10.0	3.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.5834	0.0500	9.89	10.0	-1.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.191	1.174	0.0500	9.86	10.0	-1.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1269	0.0500	9.81	10.0	-1.9	20.0
Terphenyl-d14 (Surr)	Ave	0.7168	0.6886	0.0500	9.61	10.0	-3.9	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 28-Apr-2013 15:12:30
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019340-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 83882
Lims Sample ID: 2
Sublist: chrom-8270 _9*sub23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19
Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm
Date: 28-Apr-2013 15:43:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.0	93	208226	4.00	
* 2 Naphthalene-d8	136	7.758	7.758	0.0	99	869190	4.00	
* 3 Acenaphthene-d10	164	9.258	9.258	0.0	88	456354	4.00	
* 4 Phenanthrene-d10	188	10.528	10.528	0.0	97	791879	4.00	
* 5 Chrysene-d12	240	12.865	12.865	0.0	80	952687	4.00	
* 6 Perylene-d12	264	14.837	14.837	0.0	97	770726	4.00	
$ 7 2-Fluorophenol	112	5.406	5.406	0.0	94	890445	10.5	
$ 8 Phenol-d5	99	6.272	6.272	0.0	94	1171440	10.3	
$ 9 Nitrobenzene-d5	82	7.118	7.118	0.0	84	1267781	9.89	
$ 10 2-Fluorobiphenyl (Surr)	172	8.648	8.648	0.0	98	1339176	9.86	
$ 11 2,4,6-Tribromophenol	330	9.927	9.927	0.0	87	144732	9.81	
$ 12 Terphenyl-d14	244	11.836	11.836	0.0	98	1640085	9.61	
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
25 1,4-Dioxane	88	2.877	2.877	0.0	92	464030	10.9	
26 N-Nitrosodimethylamine	74	3.560	3.560	0.0	87	739930	10.5	
27 Pyridine	79	3.632	3.632	0.0	91	1239210	10.6	
41 Benzaldehyde	77	6.248	6.248	0.0	89	1850411	20.4	
43 Phenol	94	6.286	6.286	0.0	86	1226576	10.5	
44 Aniline	93	6.339	6.339	0.0	92	1612378	10.7	
69 Bis(2-chloroethyl)ether	93	6.373	6.373	0.0	92	1063354	10.2	
46 2-Chlorophenol	128	6.460	6.460	0.0	89	691904	10.3	
47 1,3-Dichlorobenzene	146	6.599	6.599	0.0	89	716888	10.2	
48 1,4-Dichlorobenzene	146	6.657	6.657	0.0	83	735549	10.1	
49 Benzyl alcohol	108	6.739	6.739	0.0	85	567601	10.8	
50 1,2-Dichlorobenzene	146	6.801	6.801	0.0	86	686914	10.2	
51 2-Methylphenol	108	6.825	6.825	0.0	95	790476	10.6	
53 2,2'-oxybis[1-chloropropane]	45	6.849	6.849	0.0	93	1033183	10.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.878	6.878	0.0	68	2848535	20.6	
21 3 & 4 Methylphenol	108	6.950	6.950	0.0	94	824692	10.7	
57 N-Nitrosodi-n-propylamine	70	6.960	6.960	0.0	75	815649	10.3	
58 Acetophenone	105	6.979	6.979	0.0	90	1255951	10.2	
61 Hexachloroethane	117	7.109	7.109	0.0	80	355577	10.3	
62 Nitrobenzene	77	7.133	7.133	0.0	77	1180842	10.2	
64 Isophorone	82	7.330	7.330	0.0	95	1998804	10.4	
65 2,4-Dimethylphenol	107	7.412	7.412	0.0	91	825250	10.1	
66 2-Nitrophenol	139	7.412	7.412	0.0	73	357780	10.4	
71 Benzoic acid	122	7.460	7.460	0.0	79	797073	18.6	M
70 Bis(2-chloroethoxy)methane	93	7.484	7.484	0.0	95	1160828	10.4	
73 2,4-Dichlorophenol	162	7.614	7.614	0.0	93	543980	10.2	
74 1,2,4-Trichlorobenzene	180	7.700	7.700	0.0	85	590576	9.66	
75 Naphthalene	128	7.772	7.772	0.0	99	2093333	9.96	
76 4-Chloroaniline	127	7.787	7.787	0.0	75	1127746	10.2	
79 Hexachlorobutadiene	225	7.869	7.869	0.0	89	342140	9.46	
84 Caprolactam	113	8.071	8.071	0.0	81	494830	20.9	
86 4-Chloro-3-methylphenol	107	8.176	8.176	0.0	84	736526	10.1	
87 2-Methylnaphthalene	142	8.359	8.359	0.0	86	1268643	9.57	
88 1-Methylnaphthalene	142	8.446	8.446	0.0	80	1175322	9.49	
89 Hexachlorocyclopentadiene	237	8.499	8.499	0.0	90	363317	9.97	
91 1,2,4,5-Tetrachlorobenzene	216	8.503	8.503	0.0	91	534013	10.2	
92 2,4,6-Trichlorophenol	196	8.585	8.585	0.0	91	359139	10.8	
93 2,4,5-Trichlorophenol	196	8.624	8.624	0.0	89	357878	10.6	
98 1,1'-Biphenyl	154	8.744	8.744	0.0	95	1528504	10.0	
100 2-Chloronaphthalene	162	8.777	8.777	0.0	98	1165184	10.3	
102 2-Nitroaniline	65	8.835	8.835	0.0	72	567897	11.4	
105 Dimethyl phthalate	163	8.960	8.960	0.0	95	1210121	10.2	
106 1,3-Dinitrobenzene	168	8.999	8.999	0.0	77	233511	12.1	
107 2,6-Dinitrotoluene	165	9.023	9.023	0.0	63	296812	10.8	
109 Acenaphthylene	152	9.138	9.138	0.0	96	1779656	10.1	
110 3-Nitroaniline	138	9.177	9.177	0.0	86	343640	11.7	
111 2,4-Dinitrophenol	184	9.263	9.263	0.0	72	372372	21.3	
112 Acenaphthene	153	9.287	9.287	0.0	95	1049194	9.48	
113 4-Nitrophenol	109	9.287	9.287	0.0	76	556257	22.8	
114 2,4-Dinitrotoluene	165	9.374	9.374	0.0	75	384421	11.0	
116 Dibenzofuran	168	9.427	9.427	0.0	86	1532448	9.60	
119 2,3,4,6-Tetrachlorophenol	232	9.523	9.523	0.0	74	280334	10.6	
121 Diethyl phthalate	149	9.547	9.547	0.0	95	1138048	10.3	
123 4-Chlorophenyl phenyl ether	204	9.686	9.686	0.0	94	575193	9.20	
125 4-Nitroaniline	138	9.701	9.701	0.0	78	361536	10.6	
126 Fluorene	166	9.720	9.720	0.0	79	1192616	9.53	
128 4,6-Dinitro-2-methylphenol	198	9.725	9.725	0.0	75	505893	18.1	
131 N-Nitrosodiphenylamine	169	9.782	9.782	0.0	99	1718991	18.4	
132 1,2-Diphenylhydrazine	77	9.821	9.821	0.0	99	2120485	9.22	
133 Azobenzene	77	9.821	9.821	0.0	95	2120485	9.22	
139 4-Bromophenyl phenyl ether	248	10.109	10.109	0.0	70	316085	8.99	
142 Atrazine	200	10.196	10.196	0.0	86	767091	18.7	
141 Hexachlorobenzene	284	10.206	10.206	0.0	86	304628	8.50	
143 Pentachlorophenol	266	10.355	10.355	0.0	78	431132	17.9	
148 Phenanthrene	178	10.547	10.547	0.0	98	1880556	9.62	
149 Anthracene	178	10.590	10.590	0.0	98	1966568	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.701	10.701	0.0	83	1861520	9.68	
154 Di-n-butyl phthalate	149	10.922	10.922	0.0	100	2301452	9.64	
159 Fluoranthene	202	11.567	11.567	0.0	99	2257481	9.53	
160 Benzidine	184	11.624	11.624	0.0	99	1986193	21.3	
161 Pyrene	202	11.769	11.769	0.0	96	2308968	11.0	
168 Butyl benzyl phthalate	149	12.206	12.206	0.0	90	1053050	11.0	
173 Bis(2-ethylhexyl) phthalate	149	12.711	12.711	0.0	94	1469309	11.4	
175 3,3'-Dichlorobenzidine	252	12.769	12.769	0.0	73	1575889	21.7	
177 Benzo[a]anthracene	228	12.851	12.851	0.0	100	2287388	10.2	
178 Chrysene	228	12.894	12.894	0.0	95	2160165	9.97	
180 Di-n-octyl phthalate	149	13.428	13.428	0.0	99	2574710	9.94	
182 Benzo[b]fluoranthene	252	14.211	14.211	0.0	96	2050118	10.3	
183 Benzo[k]fluoranthene	252	14.250	14.250	0.0	99	2272037	10.1	
184 Benzo[a]pyrene	252	14.745	14.745	0.0	75	2016011	10.3	
189 Dibenz(a,h)anthracene	278	17.025	17.025	0.0	53	1793011	11.1	
188 Indeno[1,2,3-cd]pyrene	276	17.025	17.025	0.0	85	2149123	10.8	
190 Benzo[g,h,i]perylene	276	17.703	17.703	0.0	90	1832865	11.2	
S 245 Total Cresols	100				0		21.3	
S 191 Methyl Phenols,Total	100				0		21.3	

QC Flag Legend

Review Flags
M - Manually Integrated

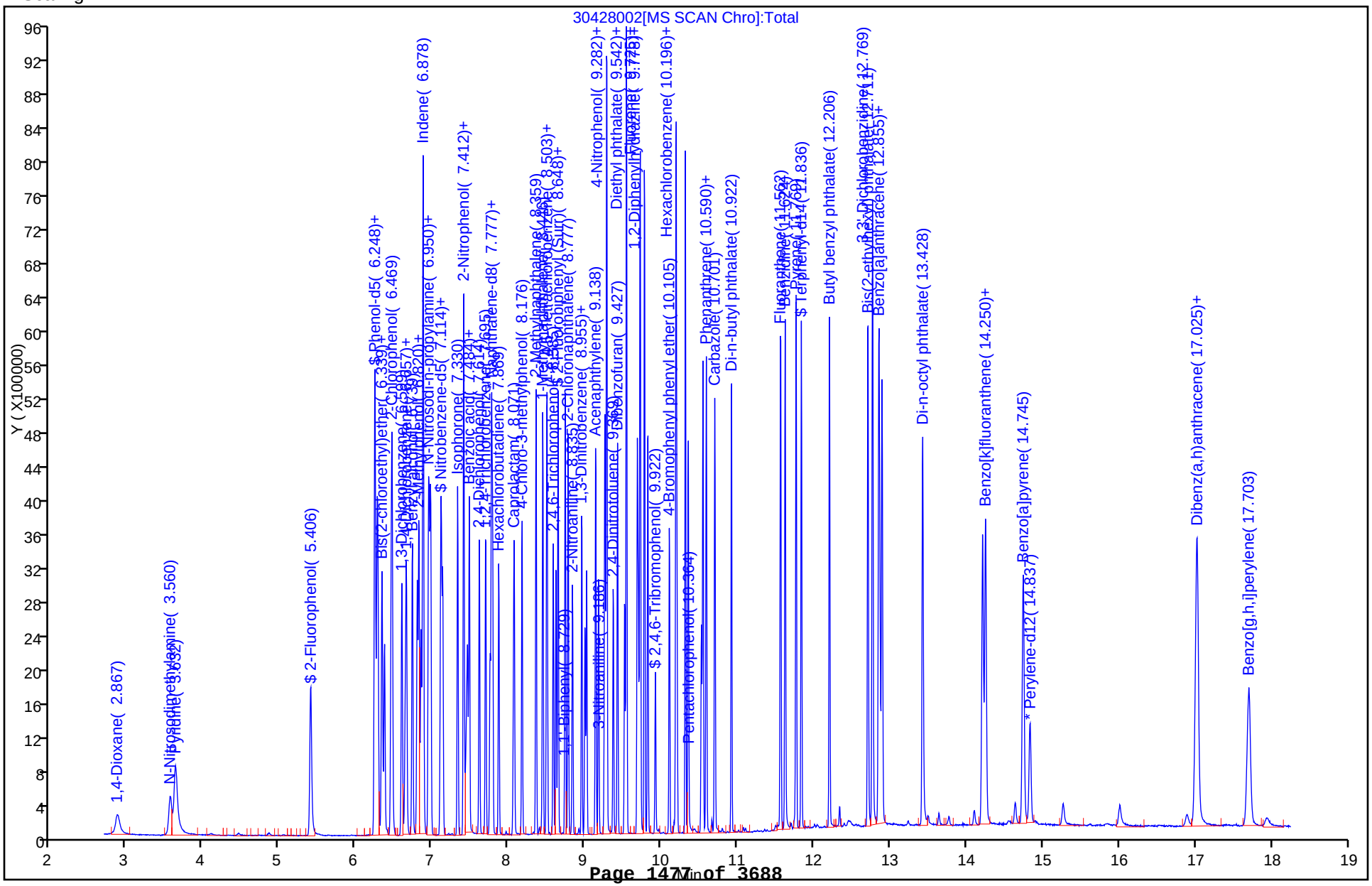
Report Date: 29-Apr-2013 10:48:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428002.D

Injection Date:	28-Apr-2013 15:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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

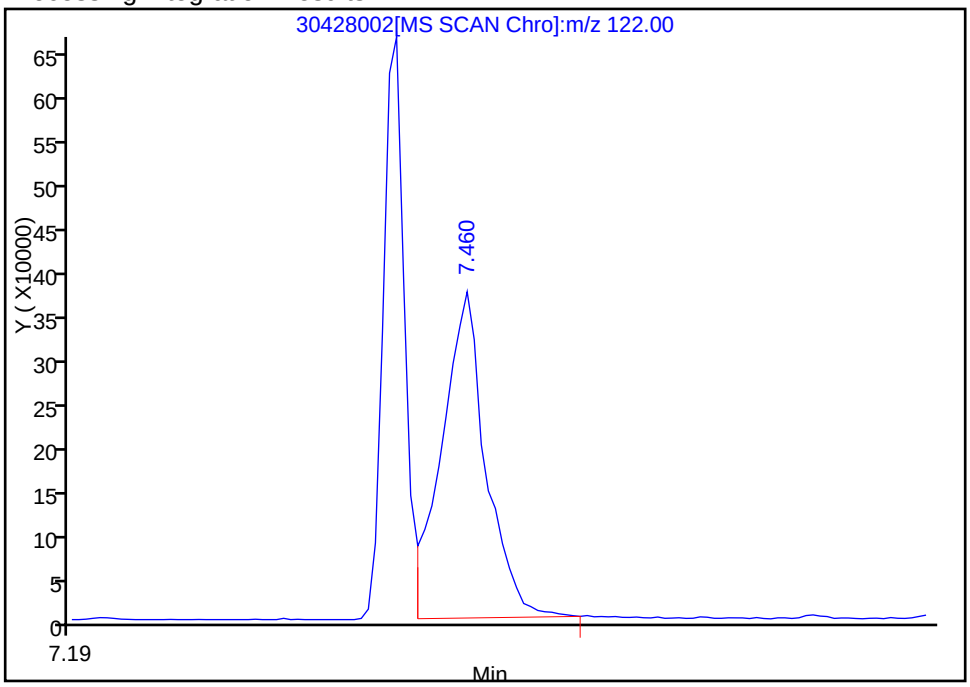
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428002.D		
Injection Date:	28-Apr-2013 15:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	2
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: 7.46

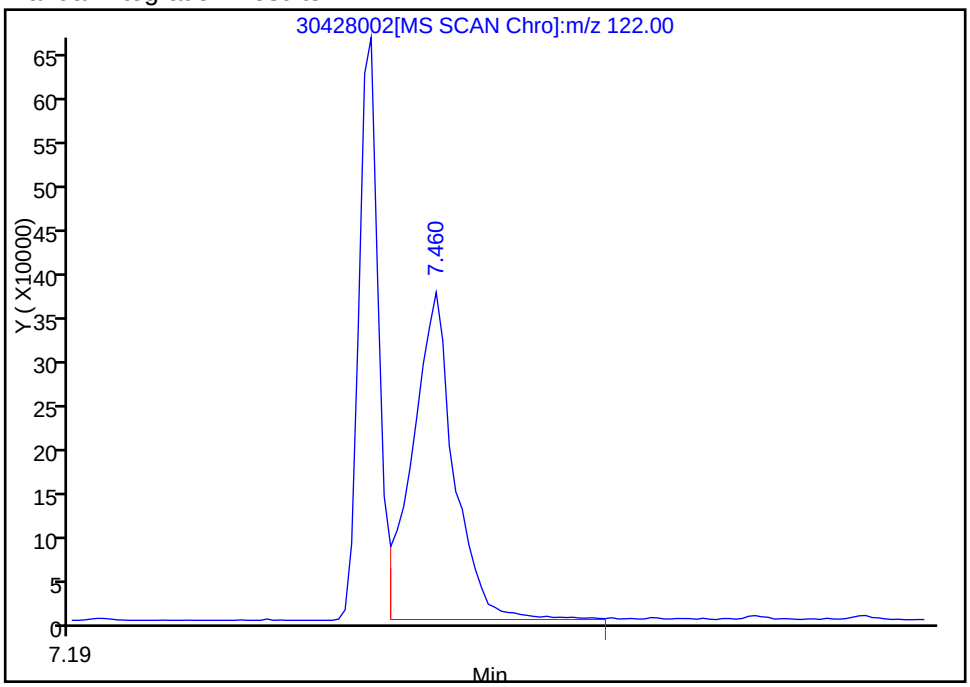
Processing Integration Results

RT: 7.46
Response: 781090
Amount: 18.273685



Manual Integration Results

RT: 7.46
Response: 797073
Amount: 18.618341



Reviewer: ulmanm, 28-Apr-2013 15:43:05
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/28/2013 20:23

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: 30428014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9675			0.191	0.100		
2-Methylnaphthalene	Ave	0.6099			0.178	0.100		
1-Methylnaphthalene	Ave	0.5701			0.182	0.100		
1,1'-Biphenyl	Ave	1.334			0.181	0.100		
2-Chloronaphthalene	Ave	0.9937			0.190	0.100		
Acenaphthylene	Ave	1.537			0.178	0.100		
Acenaphthene	Ave	0.9699			0.197	0.100		
Diethyl phthalate	Ave	0.9697			0.215	0.100		
Fluorene	Ave	1.097			0.194	0.100		
Hexachlorobenzene	Ave	0.1811			0.180	0.100		
Phenanthrene	Ave	0.9870			0.211	0.100		
Anthracene	Ave	0.9760			0.196	0.100		
Fluoranthene	Lin				0.222	0.100		
Pyrene	Ave	0.8829			0.230	0.100		
Benzo[a]anthracene	Ave	0.9456			0.214	0.100		
Chrysene	Ave	0.9101			0.202	0.100		
Di-n-octyl phthalate	Lin1				0.444	0.100		
Benzo[b]fluoranthene	Ave	1.034			0.192	0.100		
Benzo[k]fluoranthene	Ave	1.172			0.183	0.100		
Benzo[a]pyrene	Ave	1.013			0.178	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.199	0.100		
Dibenz(a,h)anthracene	Ave	0.8370			0.196	0.100		
Benzo[g,h,i]perylene	Ave	0.8490			0.213	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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/28/2013 20:23

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: 30428014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Ave	0.3054			0.000800	0.100		
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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/28/2013 20:23

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: 30428014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbazole	Lin1				0.000800	0.100		
Dibenzofuran	Ave	1.399			0.000100	0.100		
Dimethyl phthalate	Ave	1.041			0.000800	0.100		
Di-n-butyl 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			0.201	0.100	201*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.191			0.219	0.100	219*	45-105
Terphenyl-d14 (Surr)	Ave	0.7168			0.238	0.100	238*	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\20130428-19340.b\30428014.D
Lims ID: mdll1 Client ID:
Inject. Date: 28-Apr-2013 20:23:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019340-014
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 83882 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 12:24:26 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 10:14:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.640	6.642	-0.002	94	253448	4.00	
* 2 Naphthalene-d8	136	7.756	7.758	-0.002	99	1055566	4.00	
* 3 Acenaphthene-d10	164	9.256	9.258	-0.002	92	562990	4.00	
* 4 Phenanthrene-d10	188	10.526	10.528	-0.002	96	937815	4.00	
* 5 Chrysene-d12	240	12.863	12.865	-0.002	97	1096419	4.00	
* 6 Perylene-d12	264	14.834	14.837	-0.003	97	884224	4.00	
$ 7 2-Fluorophenol	112		5.406					
$ 8 Phenol-d5	99		6.272					
$ 9 Nitrobenzene-d5	82	7.111	7.118	-0.007	83	31215	0.2006	
$ 10 2-Fluorobiphenyl (Surr)	172	8.645	8.648	-0.003	95	36727	0.2192	
$ 11 2,4,6-Tribromophenol	330		9.927					
$ 12 Terphenyl-d14	244	11.834	11.836	-0.002	93	46805	0.2382	
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
244 n-Octadecane	57		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88		2.877					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					1
26 N-Nitrosodimethylamine	74		3.560					
42 Phenylmercaptan	110		3.596					
27 Pyridine	79		3.632					
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					9
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					9
32 N-Nitrosomethylethylamine	88		4.844					
14 4-Methylcatechol	124		5.036					9
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					
41 Benzaldehyde	77		6.248					
43 Phenol	94		6.286					
44 Aniline	93		6.339					
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93		6.373					
127 Tributyl phosphate	99		6.434					9
46 2-Chlorophenol	128		6.460					
47 1,3-Dichlorobenzene	146		6.599					
48 1,4-Dichlorobenzene	146		6.657					
49 Benzyl alcohol	108		6.739					
50 1,2-Dichlorobenzene	146		6.801					
51 2-Methylphenol	108		6.825					
53 2,2'-oxybis[1-chloropropane]	45		6.849					
52 Indene	115		6.878					
56 N-Nitrosopyrrolidine	100		6.912					
59 N-Nitrosomorpholine	56		6.940					9
21 3 & 4 Methylphenol	108		6.950					
57 N-Nitrosodi-n-propylamine	70		6.960					
60 2-Toluidine	106		6.979					9
58 Acetophenone	105		6.979					
61 Hexachloroethane	117		7.109					
62 Nitrobenzene	77		7.133					
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82		7.330					
65 2,4-Dimethylphenol	107		7.412					
66 2-Nitrophenol	139		7.412					
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122		7.460					9
70 Bis(2-chloroethoxy)methane	93		7.484					
72 alpha,alpha-Dimethyl phenethylam	58		7.566					9
73 2,4-Dichlorophenol	162		7.614					
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180		7.700					
75 Naphthalene	128	7.775	7.772	0.003	68	48745	0.1909	
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127		7.787					9
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225		7.869					
118 2,3,5,6-Tetrachlorophenol	232		7.920					
82 Quinoline	129		8.018					
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					
84 Caprolactam	113		8.071					
86 4-Chloro-3-methylphenol	107		8.176					
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142	8.357	8.359	-0.002	86	28617	0.1778	
88 1-Methylnaphthalene	142	8.448	8.446	0.002	81	27306	0.1815	
225 Isosafrole Peak 1	162		8.470					9
89 Hexachlorocyclopentadiene	237		8.499					
91 1,2,4,5-Tetrachlorobenzene	216		8.503					
92 2,4,6-Trichlorophenol	196		8.585					
93 2,4,5-Trichlorophenol	196		8.624					
227 Isosafrole Peak 2	162		8.662					
98 1,1'-Biphenyl	154	8.742	8.744	-0.002	96	34006	0.1811	
246 1-Chloronaphthalene	162		8.777					
100 2-Chloronaphthalene	162	8.775	8.777	-0.002	92	26588	0.1901	
102 2-Nitroaniline	65		8.835					
103 1,4-Naphthoquinone	158		8.878					
104 1,4-Dinitrobenzene	168		8.902					
105 Dimethyl phthalate	163		8.960					
106 1,3-Dinitrobenzene	168		8.999					
107 2,6-Dinitrotoluene	165		9.023					
109 Acenaphthylene	152	9.136	9.138	-0.002	91	38586	0.1783	
110 3-Nitroaniline	138		9.177					
111 2,4-Dinitrophenol	184		9.263					149
112 Acenaphthene	153	9.285	9.287	-0.002	91	26888	0.1970	
113 4-Nitrophenol	109		9.287					9
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165		9.374					
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168		9.427					
117 1-Naphthylamine	143		9.455					
120 2-Naphthylamine	143		9.518					
119 2,3,4,6-Tetrachlorophenol	232		9.523					
121 Diethyl phthalate	149	9.545	9.547	-0.002	95	29323	0.2148	
122 Thionazin	97		9.595					9
124 N-Nitro-o-toluidine	152		9.667					9
123 4-Chlorophenyl phenyl ether	204		9.686					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138		9.701					
126 Fluorene	166	9.718	9.720	-0.002	77	29880	0.1935	
128 4,6-Dinitro-2-methylphenol	198		9.725					9
130 Diphenylamine	169		9.754					
131 N-Nitrosodiphenylamine	169		9.782					
132 1,2-Diphenylhydrazine	77		9.821					
133 Azobenzene	77		9.821					
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					
137 Phenacetin	108		9.975					
228 Diallate Peak 1	86		9.984					9
138 Phorate	121		9.994					
230 Diallate Peak 2	86		10.066					
139 4-Bromophenyl phenyl ether	248		10.109					
140 Dimethoate	87		10.138					9
142 Atrazine	200		10.196					
141 Hexachlorobenzene	284	10.204	10.206	-0.002	75	7651	0.1802	
129 4-Aminobiphenyl	169		10.297					9
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					
143 Pentachlorophenol	266		10.355					
146 Disulfoton	88		10.432					9
147 Dinoseb	211		10.441					
148 Phenanthrene	178	10.545	10.547	-0.002	96	48748	0.2107	
149 Anthracene	178	10.588	10.590	-0.002	86	44843	0.1960	
150 DFTPP								
151 Carbazole	167		10.701					
152 Methyl parathion	109		10.759					
154 Di-n-butyl phthalate	149		10.922					
155 Ethyl Parathion	97		11.076					9
156 4-Nitroquinoline-1-oxide	190		11.153					
157 Methapyrilene	58		11.177					
158 Isodrin	66		11.417					
159 Fluoranthene	202	11.560	11.567	-0.007	98	52951	0.2219	
160 Benzidine	184		11.624					
226 Aramite Peak 1	185		11.740					9
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					
161 Pyrene	202	11.766	11.769	-0.003	95	55761	0.2304	
229 Aramite Peak 2	185		11.802					9
163 p-Dimethylamino azobenzene	225		11.922					
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					
168 Butyl benzyl phthalate	149		12.206					
170 4,4'-DDT	235		12.344					9
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149		12.711					
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252		12.769					
177 Benzo[a]anthracene	228	12.853	12.851	0.003	86	55340	0.2135	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
178 Chrysene	228	12.887	12.894	-0.007	86	50347	0.2018	
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149	13.425	13.428	-0.003	94	37709	0.4439	
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252	14.204	14.211	-0.007	90	43940	0.1923	
183 Benzo[k]fluoranthene	252	14.243	14.250	-0.007	84	47481	0.1832	
184 Benzo[a]pyrene	252	14.733	14.745	-0.012	65	39863	0.1780	
185 3-Methylcholanthrene	268		15.269					
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278	17.018	17.025	-0.007	0	36286	0.1961	M
188 Indeno[1,2,3-cd]pyrene	276	17.013	17.025	-0.012	0	45214	0.1989	M
190 Benzo[g,h,i]perylene	276	17.696	17.703	-0.007	80	39919	0.2127	M
S 245 Total Cresols	100		0.000					
S 191 Methyl Phenols,Total	100		0.000					7
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 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

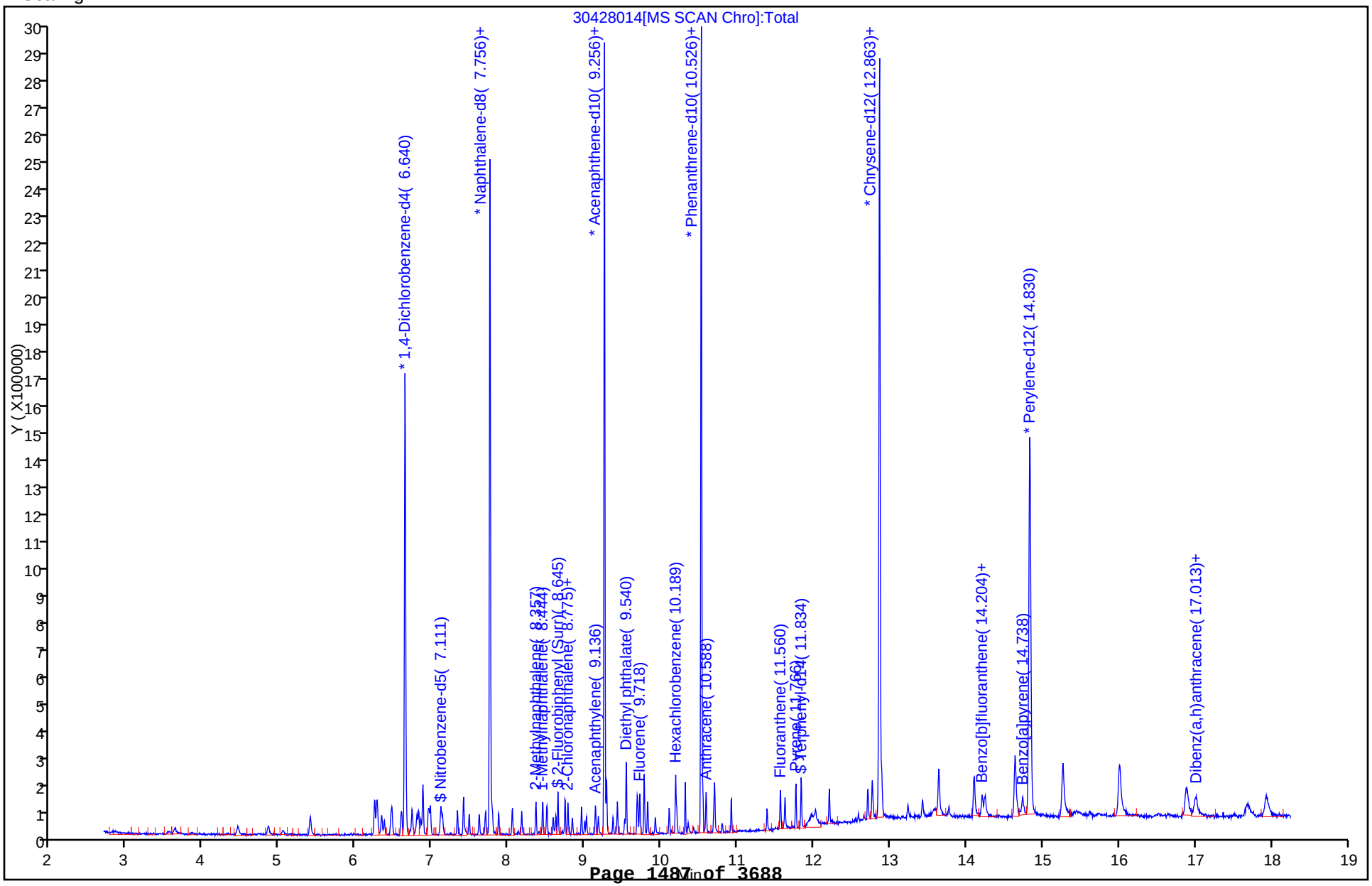
Report Date: 29-Apr-2013 12:24:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428014.D

Injection Date:	28-Apr-2013 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	14
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

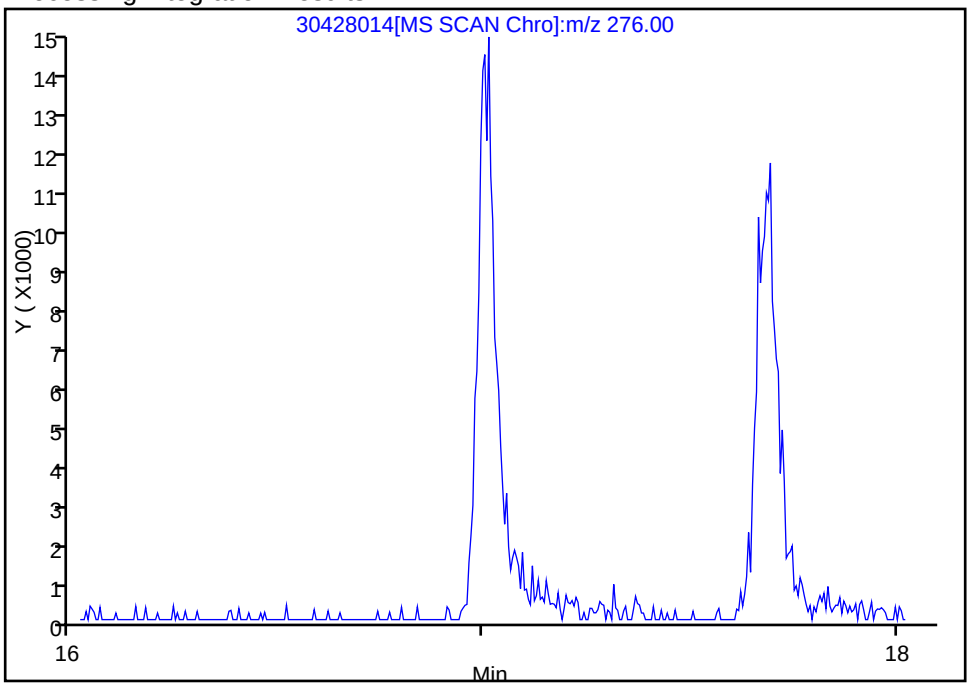
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428014.D		
Injection Date:	28-Apr-2013 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	14
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: 17.02

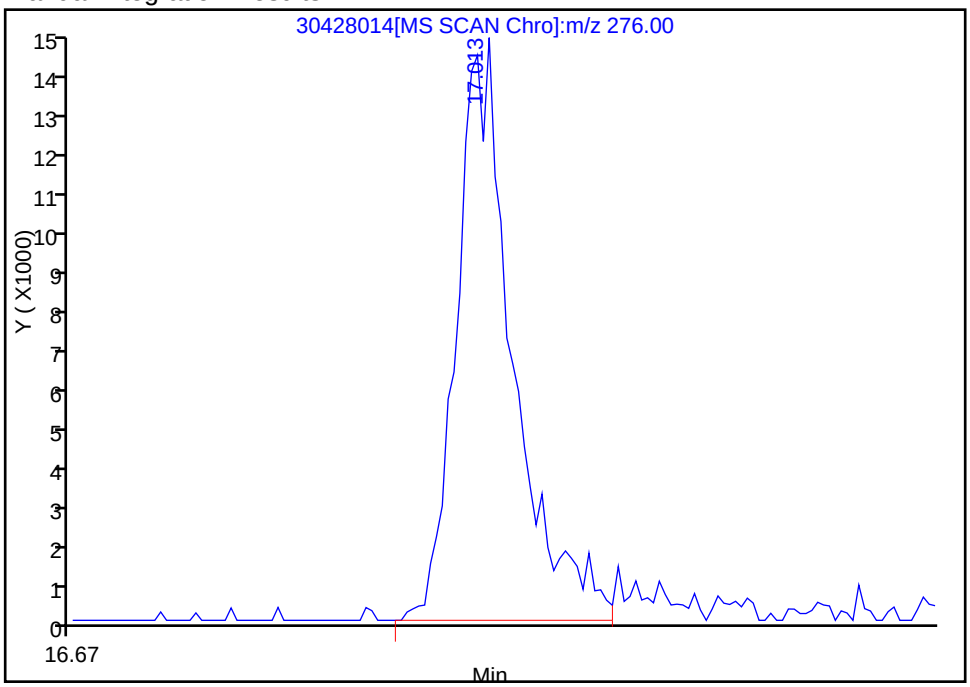
Processing Integration Results

Not Detected
Expected RT: 17.02



Manual Integration Results

RT: 17.01
Response: 45214
Amount: 0.198921



Reviewer: ulmanm, 29-Apr-2013 10:14:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

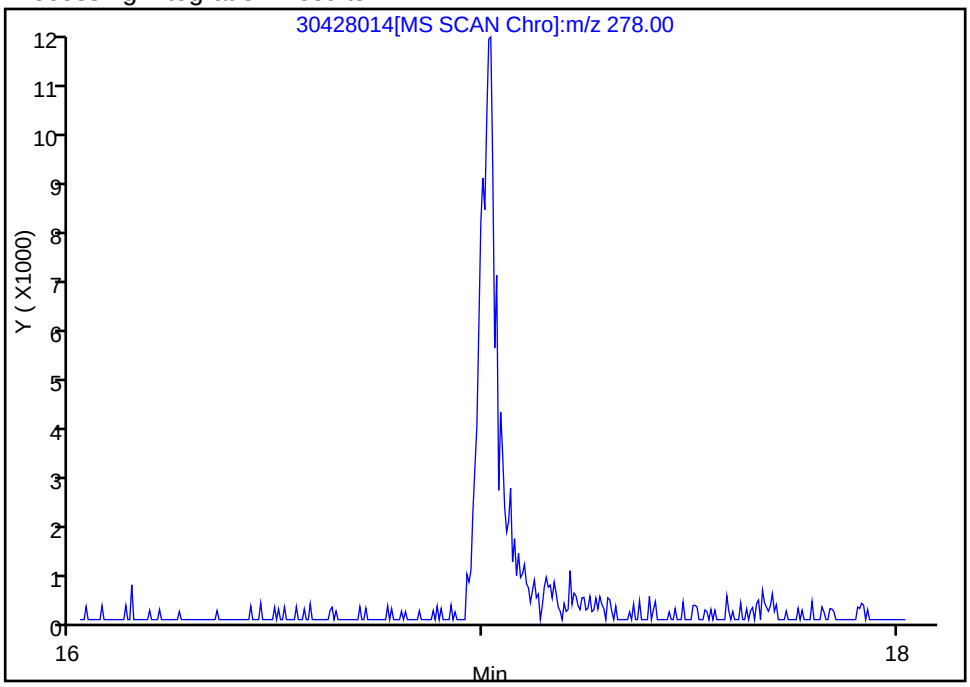
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428014.D		
Injection Date:	28-Apr-2013 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	14
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: 17.02

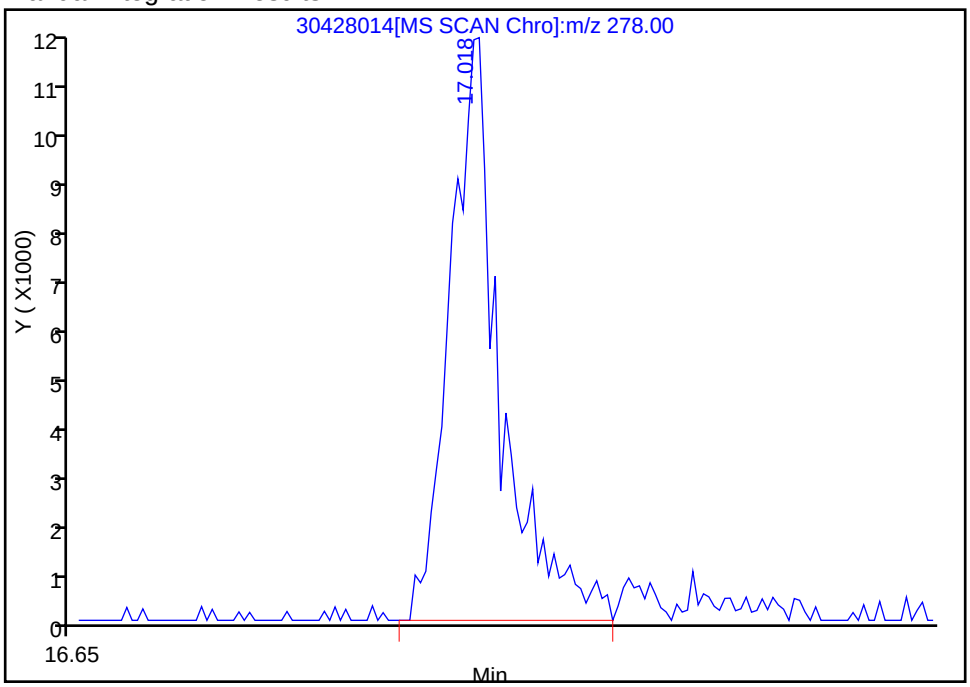
Processing Integration Results

Not Detected
Expected RT: 17.02



Manual Integration Results

RT: 17.02
Response: 36286
Amount: 0.196113



Reviewer: ulmanm, 29-Apr-2013 10:14:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

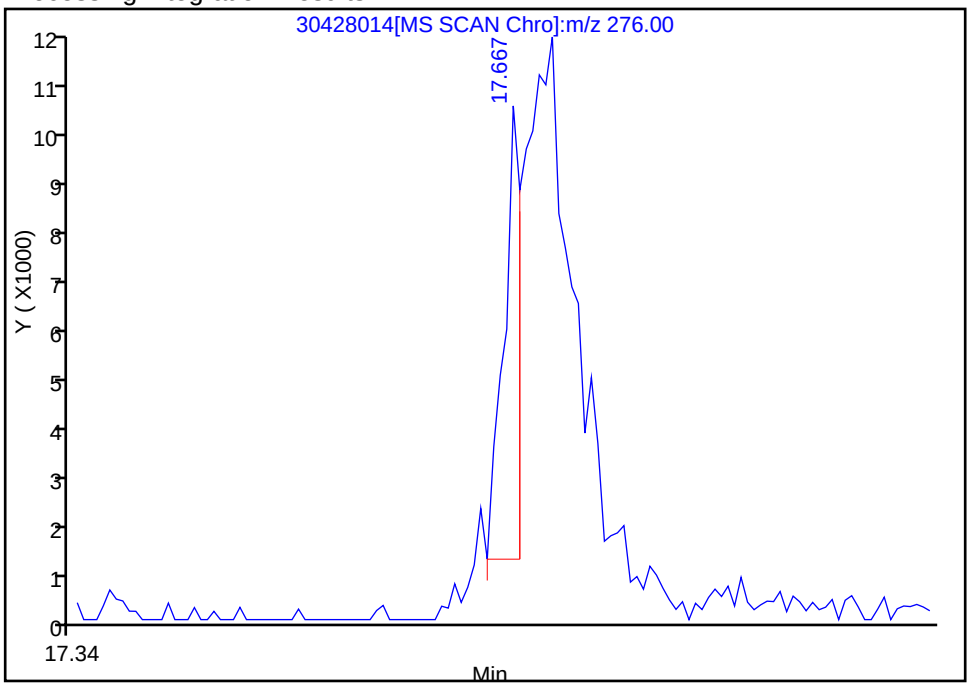
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428014.D		
Injection Date:	28-Apr-2013 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	14
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: 17.70

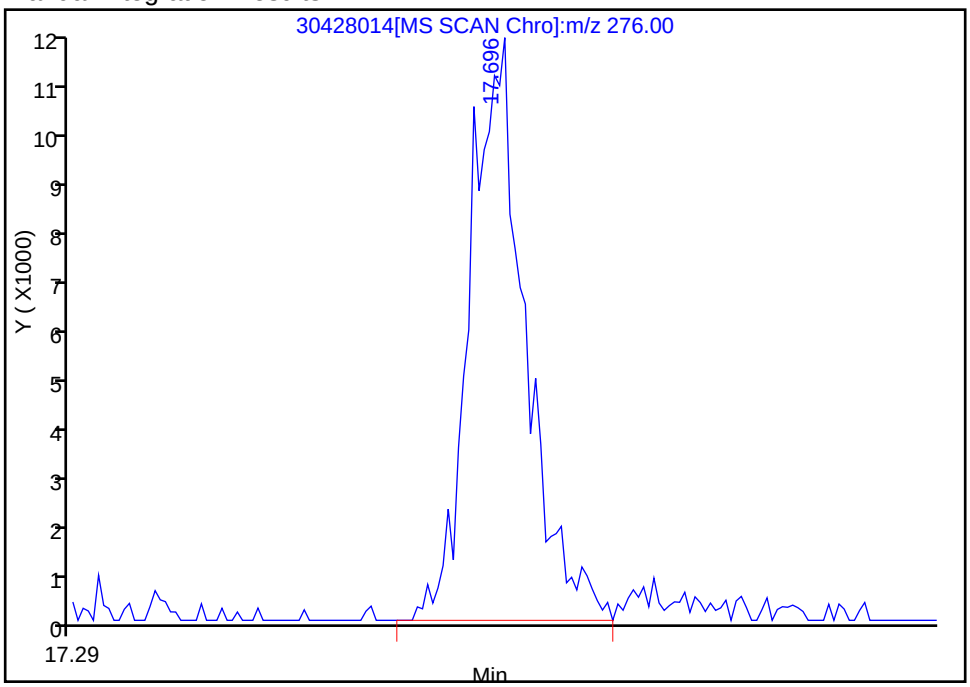
Processing Integration Results

RT: 17.67
Response: 7407
Amount: 0.039466



Manual Integration Results

RT: 17.70
Response: 39919
Amount: 0.212698



Reviewer: ulmanm, 29-Apr-2013 10:14:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/28/2013 20:48

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: 30428015.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			0.552	0.500		
N-Nitrosodimethylamine	Ave	1.347			0.511	0.500		
Pyridine	Ave	2.249			0.500	0.500		
Benzaldehyde	Ave	1.740			1.05	1.00		
Phenol	Ave	2.247			0.538	0.500		
Aniline	Ave	2.901			0.506	0.500		
Bis(2-chloroethyl)ether	Ave	2.012			0.521	0.500		
2-Chlorophenol	Ave	1.291			0.493	0.500		
1,3-Dichlorobenzene	Ave	1.354			0.510	0.500		
1,4-Dichlorobenzene	Ave	1.394			0.527	0.500		
Benzyl alcohol	Ave	1.007			0.504	0.500		
1,2-Dichlorobenzene	Ave	1.294			0.532	0.500		
2-Methylphenol	Ave	1.428			0.507	0.500		
bis (2-chloroisopropyl) ether	Ave	1.884			0.553	0.500		
3 & 4 Methylphenol	Ave	1.486			0.513	0.500		
N-Nitrosodi-n-propylamine	Ave	1.519			0.479	0.500		
Acetophenone	Ave	2.373			0.541	0.500		
Hexachloroethane	Ave	0.6609			0.510	0.500		
Nitrobenzene	Ave	0.5342			0.498	0.500		
Isophorone	Ave	0.8841			0.465	0.500		
2,4-Dimethylphenol	Ave	0.3749			0.503	0.500		
2-Nitrophenol	Ave	0.1587			0.465	0.500		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.515	0.500		
2,4-Dichlorophenol	Ave	0.2455			0.452	0.500		
1,2,4-Trichlorobenzene	Ave	0.2812			0.473	0.500		
4-Chloroaniline	Ave	0.5086			0.484	0.500		
Hexachlorobutadiene	Ave	0.1665			0.485	0.500		
Caprolactam	Ave	0.1089			1.00	1.00		
4-Chloro-3-methylphenol	Ave	0.3343			0.457	0.500		
Hexachlorocyclopentadiene	Ave	0.3194			0.336	0.500		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.553	0.500		
2,4,6-Trichlorophenol	Ave	0.2912			0.450	0.500		
2,4,5-Trichlorophenol	Ave	0.2972			0.512	0.500		
2-Nitroaniline	Ave	0.4379			0.462	0.500		
Dimethyl phthalate	Ave	1.041			0.506	0.500		
2,6-Dinitrotoluene	Ave	0.2401			0.447	0.500		
4-Nitrophenol	Ave	0.2135			0.884	1.00		
2,4-Dinitrotoluene	Ave	0.3054			0.405	0.500		
Dibenzofuran	Ave	1.399			0.487	0.500		
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.443	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/28/2013 20:48

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: 30428015.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			0.538	0.500		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.454	0.500		
4-Nitroaniline	Lin				1.12	0.500		
4,6-Dinitro-2-methylphenol	Lin1				1.32	1.00		
N-Nitrosodiphenylamine	Ave	0.4711			0.939	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.441	0.500		
Azobenzene	Ave	1.162			0.440	0.500		
4-Bromophenyl phenyl ether	Ave	0.1776			0.449	0.500		
Atrazine	Qua				1.43	1.00		
Pentachlorophenol	Lin1				1.27	1.00		
Carbazole	Lin1				0.683	0.500		
Di-n-butyl phthalate	Lin1				0.745	0.500		
Benzidine	Ave	0.3909			0.949	1.00		
Pyrene	Ave	0.8829			0.528	0.500		
Butyl benzyl phthalate	Ave	0.4024			0.470	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.447	0.500		
3,3'-Dichlorobenzidine	Ave	0.3046			0.840	1.00		
Di-n-octyl phthalate	Lin1				0.633	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		
3-Nitroaniline	Ave	0.2581			0.000800	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		
Benzoic acid	Lin1				0.0100	1.00		
Chrysene	Ave	0.9101			0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/28/2013 20:48

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: 30428015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	0.8370			0.000100	0.500		
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		
2-Fluorophenol (Surr)	Ave	1.625			0.540	0.500	108*	35-105
Phenol-d5 (Surr)	Ave	2.183			0.570	0.500	114*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.494	0.500	99	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\20130428-19340.b\30428015.D
Lims ID: mdll2 Client ID:
Inject. Date: 28-Apr-2013 20:48:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019340-015
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 83882 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 12:24:26 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 10:20:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.645	6.642	0.003	94	251536	4.00	
* 2 Naphthalene-d8	136	7.755	7.758	-0.003	99	1061687	4.00	
* 3 Acenaphthene-d10	164	9.256	9.258	-0.002	88	546303	4.00	
* 4 Phenanthrene-d10	188	10.525	10.528	-0.003	97	943774	4.00	
* 5 Chrysene-d12	240	12.862	12.865	-0.003	84	1127344	4.00	
* 6 Perylene-d12	264	14.829	14.837	-0.008	92	911836	4.00	
$ 7 2-Fluorophenol	112	5.399	5.406	-0.007	91	55147	0.5396	
$ 8 Phenol-d5	99	6.269	6.272	-0.003	90	78208	0.5696	
$ 9 Nitrobenzene-d5	82		7.118					
$ 10 2-Fluorobiphenyl (Surr)	172		8.648					
$ 11 2,4,6-Tribromophenol	330	9.924	9.927	-0.003	66	8717	0.4938	
$ 12 Terphenyl-d14	244		11.836					
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
244 n-Octadecane	57		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88	2.865	2.877	-0.012	82	28293	0.5516	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					1
26 N-Nitrosodimethylamine	74	3.557	3.560	-0.003	80	43311	0.5111	
42 Phenylmercaptan	110		3.596					
27 Pyridine	79	3.629	3.632	-0.003	93	70676	0.4997	
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					9
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					9
32 N-Nitrosomethylethylamine	88		4.844					
14 4-Methylcatechol	124		5.036					
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					
41 Benzaldehyde	77	6.245	6.248	-0.003	88	115450	1.05	
43 Phenol	94	6.279	6.286	-0.007	82	76083	0.5384	
44 Aniline	93	6.337	6.339	-0.002	89	92371	0.5063	
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93	6.370	6.373	-0.003	88	65950	0.5211	
127 Tributyl phosphate	99		6.434					9
46 2-Chlorophenol	128	6.457	6.460	-0.003	90	40040	0.4930	
47 1,3-Dichlorobenzene	146	6.596	6.599	-0.003	85	43432	0.5101	
48 1,4-Dichlorobenzene	146	6.654	6.657	-0.003	72	46175	0.5269	
49 Benzyl alcohol	108	6.731	6.739	-0.008	91	31935	0.5041	
50 1,2-Dichlorobenzene	146	6.803	6.801	0.002	87	43266	0.5315	
51 2-Methylphenol	108	6.822	6.825	-0.003	90	45510	0.5069	
53 2,2'-oxybis[1-chloropropane]	45	6.847	6.849	-0.002	91	65536	0.5532	
52 Indene	115	6.875	6.878	-0.003	77	174360	1.05	
56 N-Nitrosopyrrolidine	100		6.912					
59 N-Nitrosomorpholine	56		6.940					9
21 3 & 4 Methylphenol	108	6.948	6.950	-0.002	93	47942	0.5132	
57 N-Nitrosodi-n-propylamine	70	6.957	6.960	-0.003	80	45788	0.4794	
60 2-Toluidine	106		6.979					
58 Acetophenone	105	6.976	6.979	-0.003	74	80770	0.5412	
61 Hexachloroethane	117	7.106	7.109	-0.003	80	21196	0.5100	
62 Nitrobenzene	77	7.135	7.133	0.002	75	70573	0.4977	
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82	7.327	7.330	-0.003	95	109063	0.4648	
65 2,4-Dimethylphenol	107	7.409	7.412	-0.003	93	50098	0.5034	
66 2-Nitrophenol	139	7.409	7.412	-0.003	67	19575	0.4647	
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122		7.460					9
70 Bis(2-chloroethoxy)methane	93	7.481	7.484	-0.003	97	69894	0.5146	
72 alpha,alpha-Dimethyl phenethylam	58		7.566					9
73 2,4-Dichlorophenol	162	7.616	7.614	0.002	90	29429	0.4517	
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180	7.698	7.700	-0.002	88	35312	0.4731	
75 Naphthalene	128		7.772					2
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127	7.789	7.787	0.002	51	65308	0.4838	
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225	7.866	7.869	-0.003	81	21430	0.4849	
118 2,3,5,6-Tetrachlorophenol	232		7.920					
82 Quinoline	129		8.018					
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					
84 Caprolactam	113	8.049	8.071	-0.022	78	28997	1.00	
86 4-Chloro-3-methylphenol	107	8.169	8.176	-0.007	84	40589	0.4574	
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142		8.359					
88 1-Methylnaphthalene	142		8.446					
225 Isosafrole Peak 1	162		8.470					9
89 Hexachlorocyclopentadiene	237	8.496	8.499	-0.003	82	14660	0.3360	
91 1,2,4,5-Tetrachlorobenzene	216	8.506	8.503	0.003	94	34690	0.5527	
92 2,4,6-Trichlorophenol	196	8.583	8.585	-0.003	86	17891	0.4498	
93 2,4,5-Trichlorophenol	196	8.616	8.624	-0.008	85	20770	0.5118	
227 Isosafrole Peak 2	162		8.662					
98 1,1'-Biphenyl	154		8.744					
246 1-Chloronaphthalene	162		8.777					
100 2-Chloronaphthalene	162		8.777					
102 2-Nitroaniline	65	8.833	8.835	-0.002	61	27620	0.4618	
103 1,4-Naphthoquinone	158		8.878					
104 1,4-Dinitrobenzene	168		8.902					
105 Dimethyl phthalate	163	8.953	8.960	-0.007	93	71999	0.5062	
106 1,3-Dinitrobenzene	168	9.001	8.999	0.002	80	9324	0.4034	
107 2,6-Dinitrotoluene	165	9.020	9.023	-0.003	54	14665	0.4473	
109 Acenaphthylene	152		9.138					
110 3-Nitroaniline	138		9.177					
111 2,4-Dinitrophenol	184		9.263					
112 Acenaphthene	153		9.287					
113 4-Nitrophenol	109	9.285	9.287	-0.002	50	25786	0.8842	
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165	9.366	9.374	-0.008	70	16902	0.4052	
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168	9.424	9.427	-0.003	88	92964	0.4866	
117 1-Naphthylamine	143		9.455					
120 2-Naphthylamine	143		9.518					
119 2,3,4,6-Tetrachlorophenol	232	9.520	9.523	-0.003	69	13982	0.4428	
121 Diethyl phthalate	149	9.544	9.547	-0.003	93	71211	0.5377	
122 Thionazin	97		9.595					9
124 N-Nitro-o-toluidine	152		9.667					9
123 4-Chlorophenyl phenyl ether	204	9.684	9.686	-0.002	93	33998	0.4542	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138	9.693	9.701	-0.008	76	16603	1.12	
126 Fluorene	166		9.720					
128 4,6-Dinitro-2-methylphenol	198	9.722	9.725	-0.003	53	9358	1.32	
130 Diphenylamine	169	9.775	9.754	0.021	87	104335	0.7885	
131 N-Nitrosodiphenylamine	169	9.775	9.782	-0.007	98	104335	0.9386	
132 1,2-Diphenylhydrazine	77	9.823	9.821	0.002	98	120927	0.4411	
133 Azobenzene	77	9.823	9.821	0.002	95	120696	0.4403	
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					
137 Phenacetin	108		9.975					
228 Diallate Peak 1	86		9.984					
138 Phorate	121		9.994					
230 Diallate Peak 2	86		10.066					
139 4-Bromophenyl phenyl ether	248	10.102	10.109	-0.007	70	18804	0.4488	
140 Dimethoate	87		10.138					9
142 Atrazine	200	10.189	10.196	-0.007	82	43357	1.43	
141 Hexachlorobenzene	284		10.206					
129 4-Aminobiphenyl	169		10.297					9
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					
143 Pentachlorophenol	266	10.352	10.355	-0.003	71	9580	1.27	
146 Disulfoton	88		10.432					9
147 Dinoseb	211		10.441					
148 Phenanthrene	178		10.547					
149 Anthracene	178		10.590					
150 DFTPP								
151 Carbazole	167	10.698	10.701	-0.003	83	108473	0.6833	
152 Methyl parathion	109		10.759					
154 Di-n-butyl phthalate	149	10.920	10.922	-0.002	98	124753	0.7452	
155 Ethyl Parathion	97		11.076					9
156 4-Nitroquinoline-1-oxide	190		11.153					
157 Methapyrilene	58		11.177					
158 Isodrin	66		11.417					
159 Fluoranthene	202		11.567					
160 Benzidine	184	11.622	11.624	-0.002	87	104586	0.9492	
226 Aramite Peak 1	185		11.740					
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					9
161 Pyrene	202	11.766	11.769	-0.003	94	131352	0.5279	
229 Aramite Peak 2	185		11.802					
163 p-Dimethylamino azobenzene	225		11.922					9
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					9
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					
168 Butyl benzyl phthalate	149	12.204	12.206	-0.002	87	53267	0.4697	
170 4,4'-DDT	235		12.344					9
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.708	12.711	-0.003	94	67893	0.4470	
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252	12.766	12.769	-0.003	63	72124	0.8402	
177 Benzo[a]anthracene	228		12.851					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
178 Chrysene	228		12.894					
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149	13.425	13.428	-0.003	98	98730	0.6328	
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252		14.211					
183 Benzo[k]fluoranthene	252		14.250					
184 Benzo[a]pyrene	252		14.745					
185 3-Methylcholanthrene	268		15.269					
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278		17.025					
188 Indeno[1,2,3-cd]pyrene	276		17.025					
190 Benzo[g,h,i]perylene	276		17.703					2
S 245 Total Cresols	100				0		1.02	
S 191 Methyl Phenols,Total	100				0		1.02	
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 193 Hexamethylphosphoramide TIC	135		5.100					
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

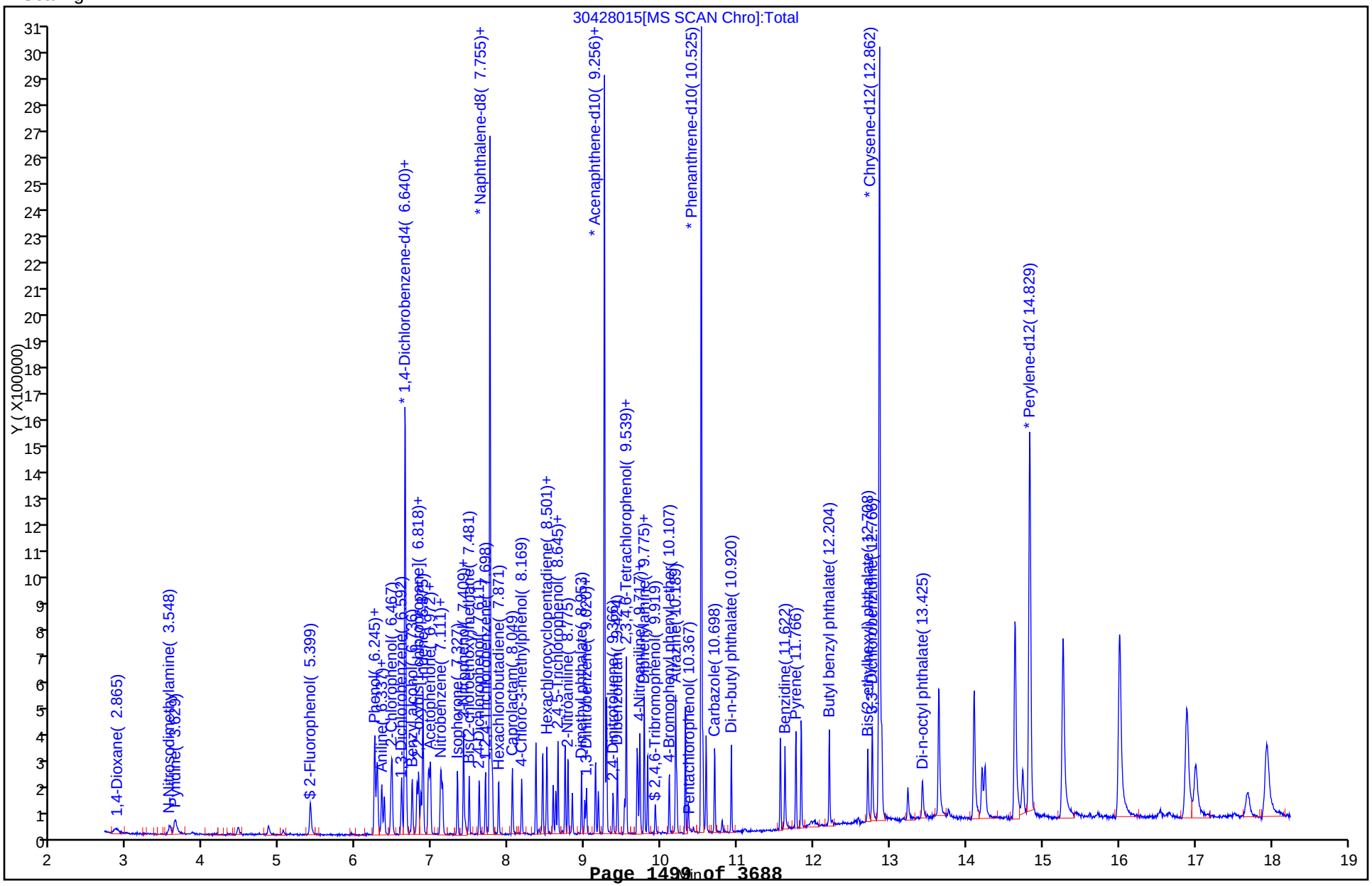
Report Date: 29-Apr-2013 12:24:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428015.D

Injection Date:	28-Apr-2013 20:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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: 29-Apr-2013 12:24:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

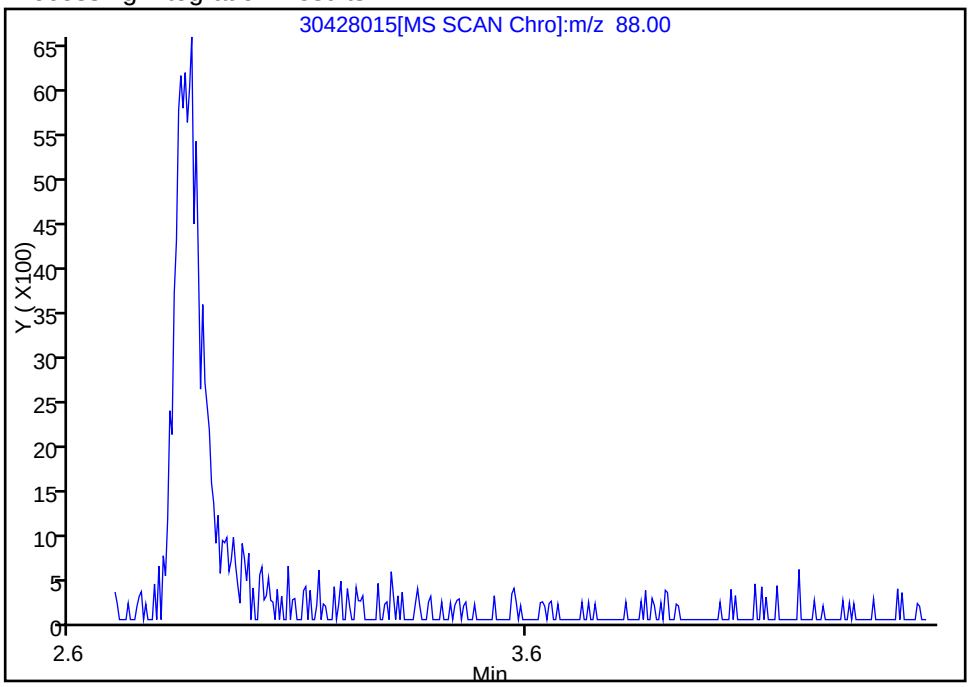
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428015.D		
Injection Date:	28-Apr-2013 20:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	15
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: 2.88

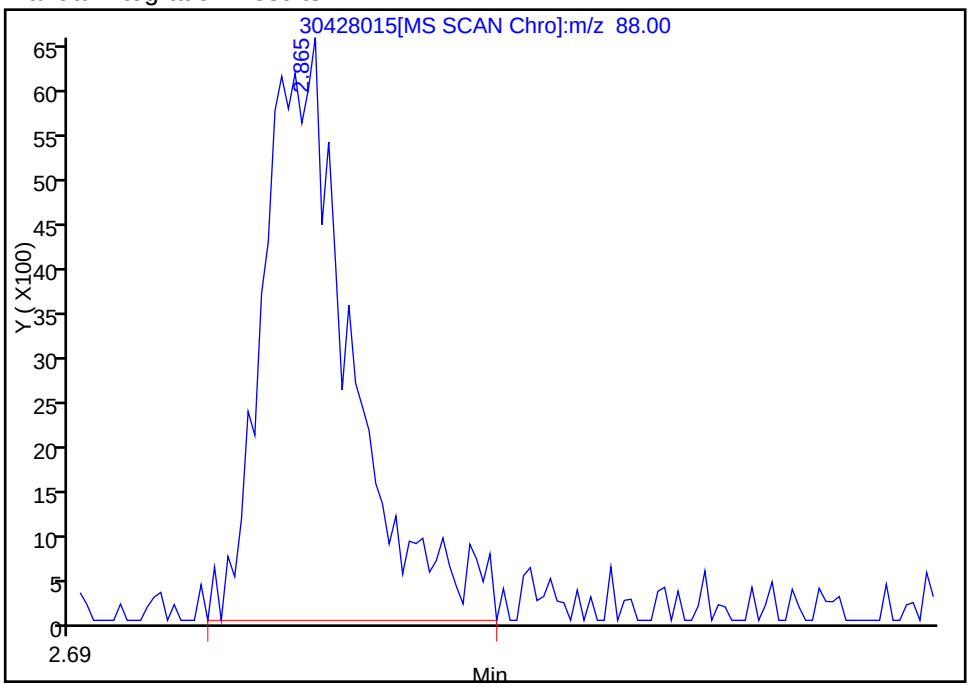
Processing Integration Results

Not Detected
Expected RT: 2.88



Manual Integration Results

RT: 2.86
Response: 28293
Amount: 0.551597



Reviewer: ulmanm, 29-Apr-2013 10:20:10
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/28/2013 21:14

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: 30428016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Lin1				1.89	2.00		
2,4-Dinitrophenol	Qua				1.37	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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/28/2013 21:14

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: 30428016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloro-3-methylphenol	Ave	0.3343			0.000800	1.00		
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		
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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/28/2013 21:14

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: 30428016.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	1.00		
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\20130428-19340.b\30428016.D		
Lims ID:	mdll3	Client ID:	
Inject. Date:	28-Apr-2013 21:14:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0019340-016		
Misc. Info.:	MDLL3 =MDLL3		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	83882	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m		
Last Update:	29-Apr-2013 12:24:26	Calib Date:	27-Apr-2013 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK012		
First Level Reviewer: ulmanm		Date:	29-Apr-2013 10:26:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.0	93	250608	4.00	
* 2 Naphthalene-d8	136	7.753	7.758	-0.005	98	1074860	4.00	
* 3 Acenaphthene-d10	164	9.253	9.258	-0.005	90	563271	4.00	
* 4 Phenanthrene-d10	188	10.523	10.528	-0.005	96	952007	4.00	
* 5 Chrysene-d12	240	12.860	12.865	-0.005	79	1134310	4.00	
* 6 Perylene-d12	264	14.831	14.837	-0.006	97	928789	4.00	
$ 7 2-Fluorophenol	112		5.406					
$ 8 Phenol-d5	99		6.272					
$ 9 Nitrobenzene-d5	82		7.118					
$ 10 2-Fluorobiphenyl (Surr)	172		8.648					
$ 11 2,4,6-Tribromophenol	330		9.927					
$ 12 Terphenyl-d14	244		11.836					
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
244 n-Octadecane	57		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88		2.877					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					14
26 N-Nitrosodimethylamine	74		3.560					
42 Phenylmercaptan	110		3.596					
27 Pyridine	79		3.632					2
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					9
32 N-Nitrosomethylethylamine	88		4.844					
14 4-Methylcatechol	124		5.036					9
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					9
96 3,4-Dichloronitrobenzene	109		5.467					
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					9
41 Benzaldehyde	77		6.248					
43 Phenol	94		6.286					
44 Aniline	93		6.339					
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93		6.373					
127 Tributyl phosphate	99		6.434					9
46 2-Chlorophenol	128		6.460					
47 1,3-Dichlorobenzene	146		6.599					
48 1,4-Dichlorobenzene	146		6.657					
49 Benzyl alcohol	108		6.739					
50 1,2-Dichlorobenzene	146		6.801					
51 2-Methylphenol	108		6.825					
53 2,2'-oxybis[1-chloropropane]	45		6.849					
52 Indene	115		6.878					
56 N-Nitrosopyrrolidine	100		6.912					
59 N-Nitrosomorpholine	56		6.940					9
21 3 & 4 Methylphenol	108		6.950					
57 N-Nitrosodi-n-propylamine	70		6.960					
60 2-Toluidine	106		6.979					
58 Acetophenone	105		6.979					
61 Hexachloroethane	117		7.109					
62 Nitrobenzene	77		7.133					
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82		7.330					
65 2,4-Dimethylphenol	107		7.412					
66 2-Nitrophenol	139		7.412					
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122	7.421	7.460	-0.039	53	26112	1.89	M
70 Bis(2-chloroethoxy)methane	93		7.484					
72 alpha,alpha-Dimethyl phenethylam	58		7.566					
73 2,4-Dichlorophenol	162		7.614					
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180		7.700					
75 Naphthalene	128		7.772					2
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127		7.787					
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225		7.869					
118 2,3,5,6-Tetrachlorophenol	232		7.920					
82 Quinoline	129		8.018					
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					
84 Caprolactam	113		8.071					
86 4-Chloro-3-methylphenol	107		8.176					
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142		8.359					
88 1-Methylnaphthalene	142		8.446					
225 Isosafrole Peak 1	162		8.470					9
89 Hexachlorocyclopentadiene	237		8.499					
91 1,2,4,5-Tetrachlorobenzene	216		8.503					
92 2,4,6-Trichlorophenol	196		8.585					
93 2,4,5-Trichlorophenol	196		8.624					
227 Isosafrole Peak 2	162		8.662					
98 1,1'-Biphenyl	154		8.744					
246 1-Chloronaphthalene	162		8.777					
100 2-Chloronaphthalene	162		8.777					
102 2-Nitroaniline	65		8.835					
103 1,4-Naphthoquinone	158		8.878					
104 1,4-Dinitrobenzene	168		8.902					
105 Dimethyl phthalate	163		8.960					
106 1,3-Dinitrobenzene	168		8.999					
107 2,6-Dinitrotoluene	165		9.023					
109 Acenaphthylene	152		9.138					
110 3-Nitroaniline	138		9.177					
111 2,4-Dinitrophenol	184	9.263	9.263	0.0	42	8772	1.37	
112 Acenaphthene	153		9.287					
113 4-Nitrophenol	109		9.287					
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165		9.374					
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168		9.427					
117 1-Naphthylamine	143		9.455					9
120 2-Naphthylamine	143		9.518					9
119 2,3,4,6-Tetrachlorophenol	232		9.523					
121 Diethyl phthalate	149		9.547					
122 Thionazin	97		9.595					9
124 N-Nitro-o-toluidine	152		9.667					
123 4-Chlorophenyl phenyl ether	204		9.686					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138		9.701					
126 Fluorene	166		9.720					
128 4,6-Dinitro-2-methylphenol	198		9.725					
130 Diphenylamine	169		9.754					
131 N-Nitrosodiphenylamine	169		9.782					
132 1,2-Diphenylhydrazine	77		9.821					
133 Azobenzene	77		9.821					
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					
137 Phenacetin	108		9.975					
228 Diallate Peak 1	86		9.984					9
138 Phorate	121		9.994					
230 Diallate Peak 2	86		10.066					9
139 4-Bromophenyl phenyl ether	248		10.109					
140 Dimethoate	87		10.138					9
142 Atrazine	200		10.196					
141 Hexachlorobenzene	284		10.206					
129 4-Aminobiphenyl	169		10.297					9
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					9
143 Pentachlorophenol	266		10.355					
146 Disulfoton	88		10.432					9
147 Dinoseb	211		10.441					
148 Phenanthrene	178		10.547					
149 Anthracene	178		10.590					
150 DFTPP								
151 Carbazole	167		10.701					
152 Methyl parathion	109		10.759					9
154 Di-n-butyl phthalate	149		10.922					
155 Ethyl Parathion	97		11.076					9
156 4-Nitroquinoline-1-oxide	190		11.153					
157 Methapyrilene	58		11.177					
158 Isodrin	66		11.417					
159 Fluoranthene	202		11.567					
160 Benzidine	184		11.624					
226 Aramite Peak 1	185		11.740					
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					9
161 Pyrene	202		11.769					
229 Aramite Peak 2	185		11.802					9
163 p-Dimethylamino azobenzene	225		11.922					9
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					9
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					
168 Butyl benzyl phthalate	149		12.206					
170 4,4'-DDT	235		12.344					9
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149		12.711					
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252		12.769					
177 Benzo[a]anthracene	228		12.851					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
178 Chrysene	228		12.894					
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149		13.428					
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252		14.211					
183 Benzo[k]fluoranthene	252		14.250					
184 Benzo[a]pyrene	252		14.745					
185 3-Methylcholanthrene	268		15.269					
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278		17.025					9
188 Indeno[1,2,3-cd]pyrene	276		17.025					
190 Benzo[g,h,i]perylene	276		17.703					
S 245 Total Cresols	100		0.000					
S 191 Methyl Phenols,Total	100		0.000					7
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 193 Hexamethylphosphoramide TIC	135		5.100					
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

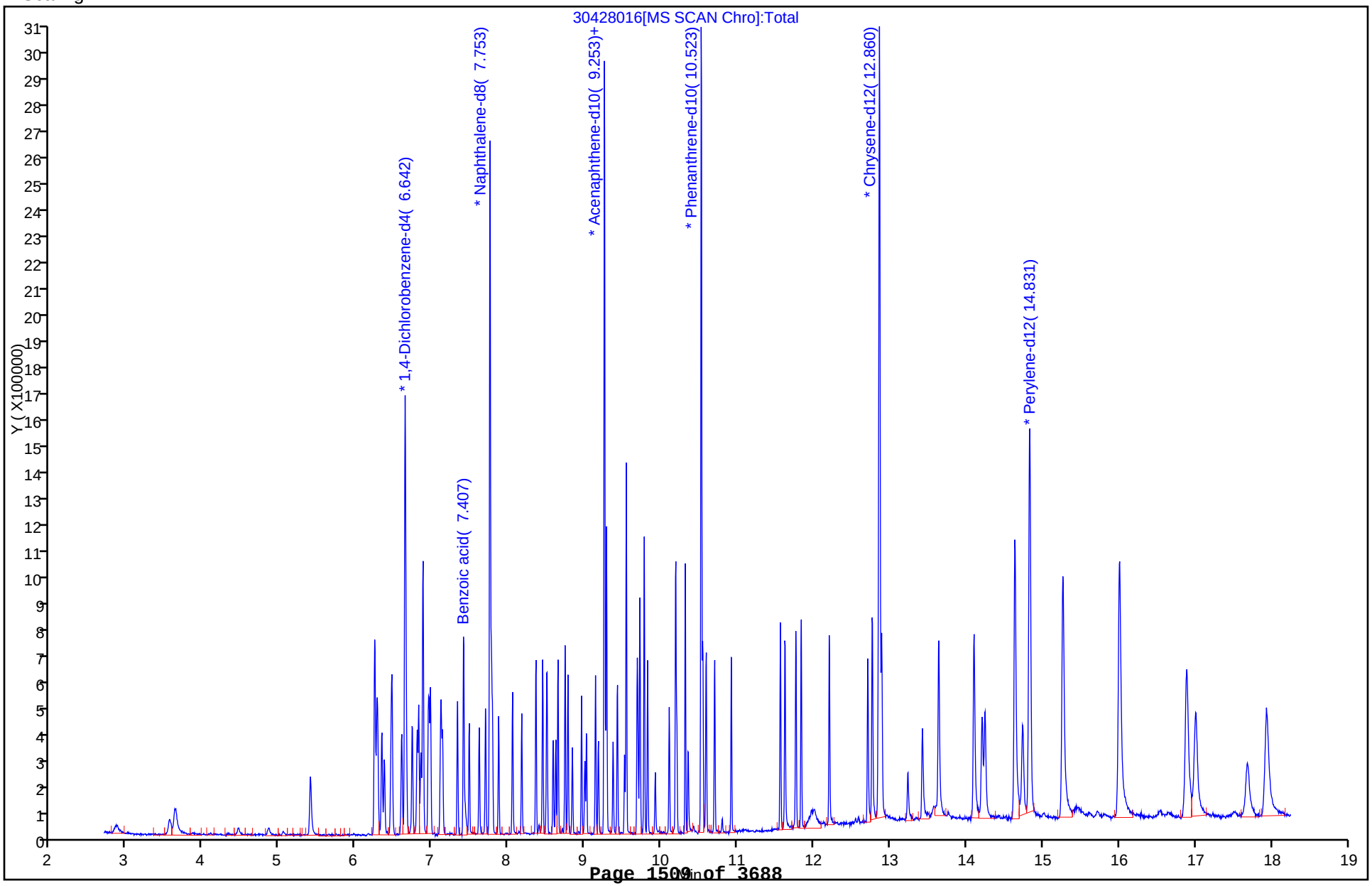
Report Date: 29-Apr-2013 12:24:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428016.D

Injection Date:	28-Apr-2013 21:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	16
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

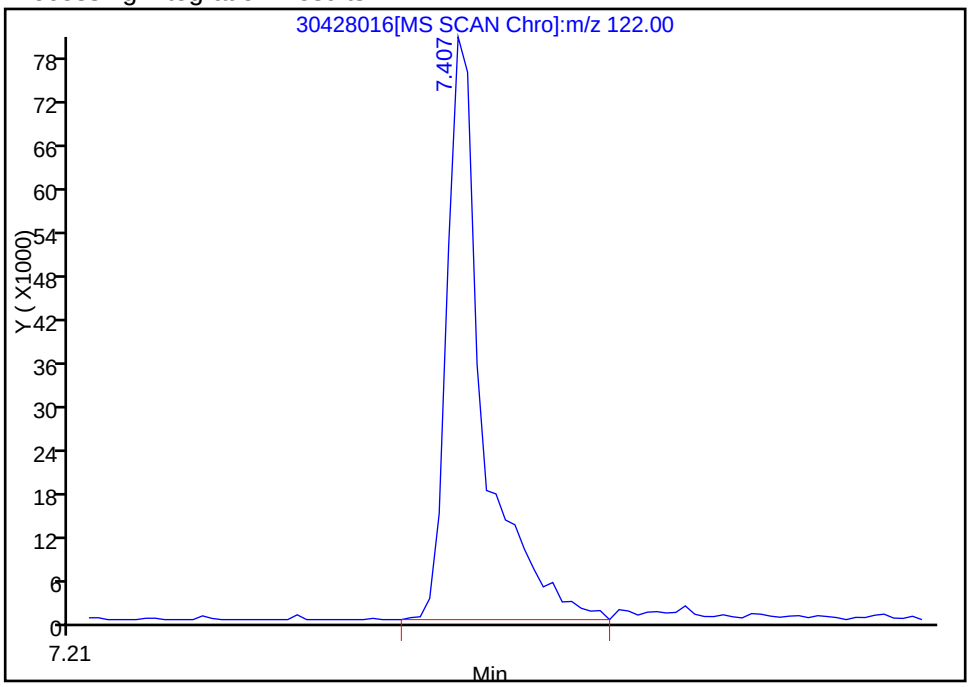
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428016.D		
Injection Date:	28-Apr-2013 21:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	16
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: 7.46

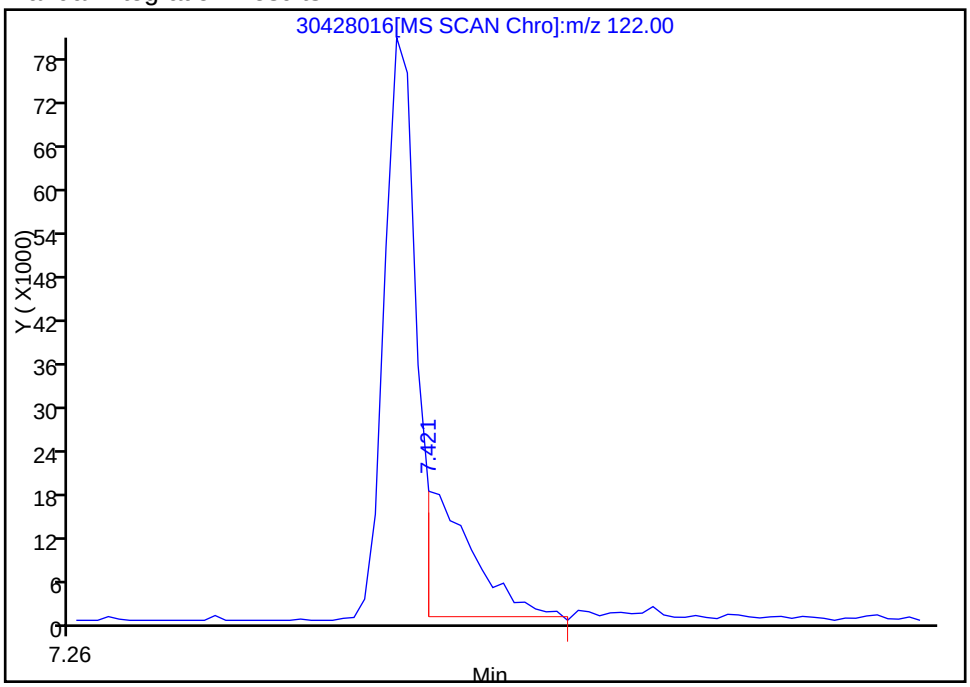
Processing Integration Results

RT: 7.41
Response: 103636
Amount: 3.237499



Manual Integration Results

RT: 7.42
Response: 26112
Amount: 1.885654



Reviewer: ulmanm, 29-Apr-2013 10:26:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Apr-2013 17:39:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018790-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	81609	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\8270_10.m		
Last Update:	12-Apr-2013 09:42:28	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK010		
First Level Reviewer: gruberj		Date:	12-Apr-2013 08:16:53

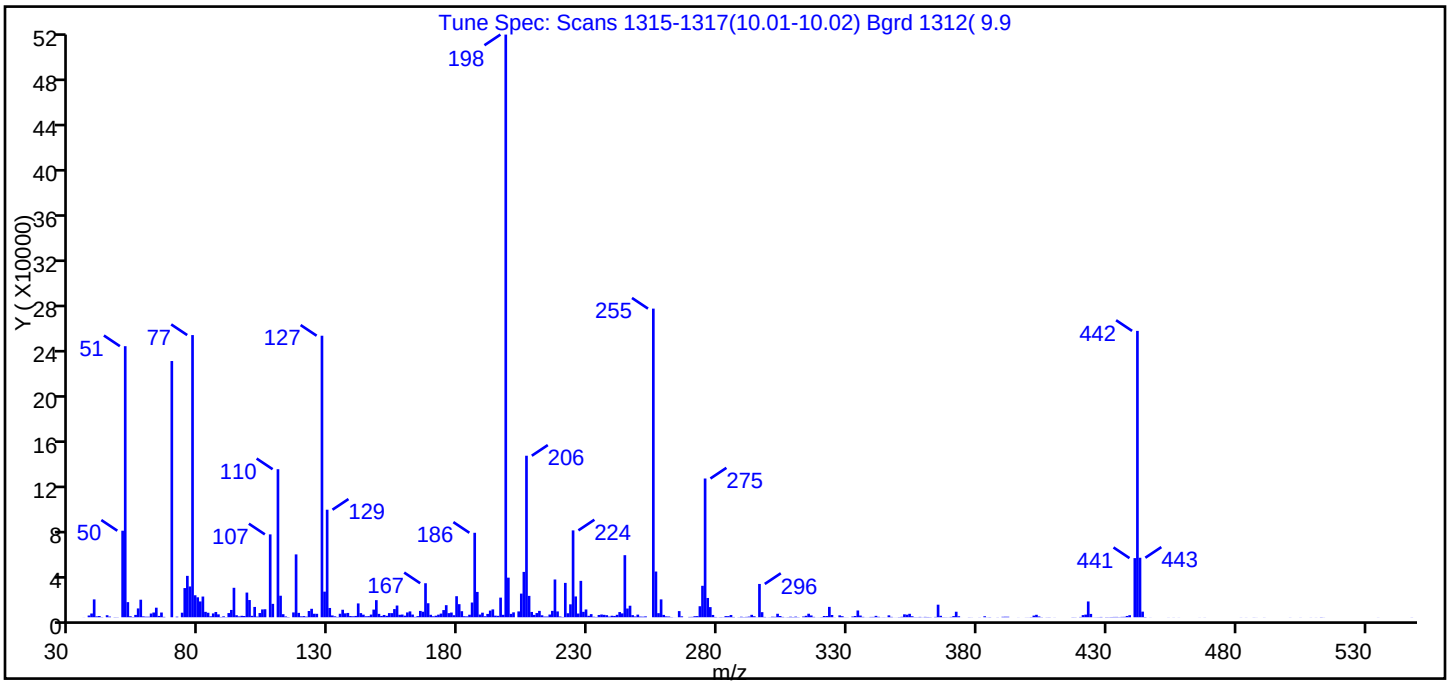
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
144 Pentachlorophenol	266	9.655	9.655	0.0	87	694633	0	
151 DFTPP								
161 Benzidine	184	10.971	10.971	0.0	99	3778633	0	
168 4,4'-DDE	246	11.148	11.148	0.0	16	1461	0	
167 4,4'-DDD	235	11.488	11.488	0.0	56	13721	0	
172 4,4'-DDT	235	11.823	11.823	0.0	98	1775638	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D		
Injection Date:	11-Apr-2013 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

151 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	46.52
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.98
70	Less than 2.00% of mass 69	0.00 (0.01)
127	25.00 - 75.00% of mass 198	48.32
197	Less than 1.00% of mass 198	0.42
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	23.81
365	Greater than 0.75% of mass 198	2.16
441	Present, but less than mass 443%	10.15 (99.38)
442	40.00 - 110.00% of mass 198	49.15
443	15.00 - 24.00% of mass 442	10.21 (20.78)

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D\8270_10.rslt\spectra.d
Injection Date: 11-Apr-2013 17:39:30
Spectrum: Tune Spec: Scans 1315-1317(10.01-10.02) Bgrd 1312(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	52	143.00	2301	241.00	2168	346.00	1703
37.00	1540	144.00	854	242.00	4609	347.00	344
38.00	3339	145.00	982	243.00	3440	348.00	50
39.00	15864	146.00	2372	244.00	55120	349.00	60
40.00	764	147.00	6799	245.00	7761	350.00	198
41.00	1080	148.00	15180	246.00	10239	351.00	379
42.00	179	149.00	3003	247.00	1861	352.00	2593
44.00	1802	150.00	1163	248.00	697	353.00	2283
45.00	595	151.00	2028	249.00	2336	354.00	3059
47.00	168	152.00	1282	250.00	590	355.00	891
48.00	142	153.00	3677	251.00	511	356.00	158
50.00	76840	154.00	3669	252.00	760	357.00	148
51.00	240704	155.00	7268	255.00	274048	358.00	320
52.00	13431	156.00	10411	256.00	40608	359.00	92
53.00	894	157.00	2183	257.00	3633	360.00	335
54.00	247	158.00	2403	258.00	15872	361.00	241
55.00	2077	159.00	1410	259.00	2090	362.00	171
56.00	7841	160.00	4278	260.00	763	364.00	313
57.00	15584	161.00	5207	261.00	671	365.00	11159
58.00	764	162.00	2397	262.00	183	366.00	1290
59.00	505	163.00	338	263.00	41	367.00	162
60.00	489	164.00	970	264.00	35	368.00	136
61.00	3310	165.00	5619	265.00	5470	369.00	83
62.00	4212	166.00	4904	266.00	805	370.00	306
63.00	8490	167.00	30208	269.00	310	371.00	1016
64.00	1197	168.00	12451	270.00	354	372.00	4907
65.00	4212	169.00	2187	271.00	919	373.00	870
66.00	338	170.00	856	272.00	989	374.00	19
69.00	227520	171.00	1377	273.00	9791	377.00	113
70.00	14	172.00	2303	274.00	27928	378.00	71
71.00	521	173.00	3251	275.00	123200	381.00	91
73.00	4033	174.00	6370	276.00	17128	383.00	882
74.00	25912	175.00	10733	277.00	9009	384.00	87

Report Date: 12-Apr-2013 09:42:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D\8270_10.rslt\spectra.d
Injection Date: 11-Apr-2013 17:39:30
Spectrum: Tune Spec: Scans 1315-1317(10.01-10.02) Bgrd 1312(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	36752	176.00	3651	278.00	2051	385.00	172
76.00	27344	177.00	4179	279.00	276	388.00	97
77.00	250560	178.00	1811	280.00	74	390.00	417
78.00	19520	179.00	18696	281.00	195	391.00	482
79.00	17712	180.00	11627	282.00	138	392.00	465
80.00	14043	181.00	5374	283.00	1022	396.00	60
81.00	18392	182.00	897	284.00	974	399.00	79
82.00	4805	183.00	769	285.00	1986	400.00	79
83.00	4001	184.00	2247	286.00	272	401.00	199
84.00	848	185.00	13079	288.00	127	402.00	1472
85.00	3417	186.00	75008	289.00	454	403.00	2184
86.00	4675	187.00	22496	290.00	202	404.00	716
87.00	2571	188.00	2419	291.00	346	405.00	164
88.00	274	189.00	4058	292.00	570	407.00	109
89.00	836	190.00	897	293.00	2161	408.00	134
90.00	160	191.00	2966	294.00	881	410.00	71
91.00	3725	192.00	5910	295.00	109	417.00	146
92.00	6492	193.00	6983	296.00	29576	418.00	126
93.00	26160	194.00	1435	297.00	4516	420.00	289
94.00	1793	195.00	1255	298.00	291	421.00	1904
95.00	761	196.00	17432	299.00	65	422.00	2348
96.00	1296	197.00	2171	300.00	129	423.00	14037
97.00	1121	198.00	517376	301.00	491	424.00	2958
98.00	21920	199.00	35160	302.00	395	425.00	77
99.00	15290	200.00	3023	303.00	3110	426.00	120
100.00	1270	201.00	4360	304.00	1112	427.00	148
101.00	9165	203.00	5204	305.00	320	428.00	278
102.00	585	204.00	21000	306.00	74	430.00	184
103.00	3739	205.00	40272	307.00	170	431.00	158
104.00	6942	206.00	143424	308.00	473	432.00	232
105.00	7097	207.00	18984	309.00	233	433.00	296
107.00	73592	208.00	4725	310.00	552	434.00	308
108.00	11898	209.00	2098	311.00	175	435.00	172
110.00	131456	210.00	3733	313.00	672	436.00	338

Report Date: 12-Apr-2013 09:42:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D\8270_10.rslt\spectra.d
Injection Date: 11-Apr-2013 17:39:30
Spectrum: Tune Spec: Scans 1315-1317(10.01-10.02) Bgrd 1312(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

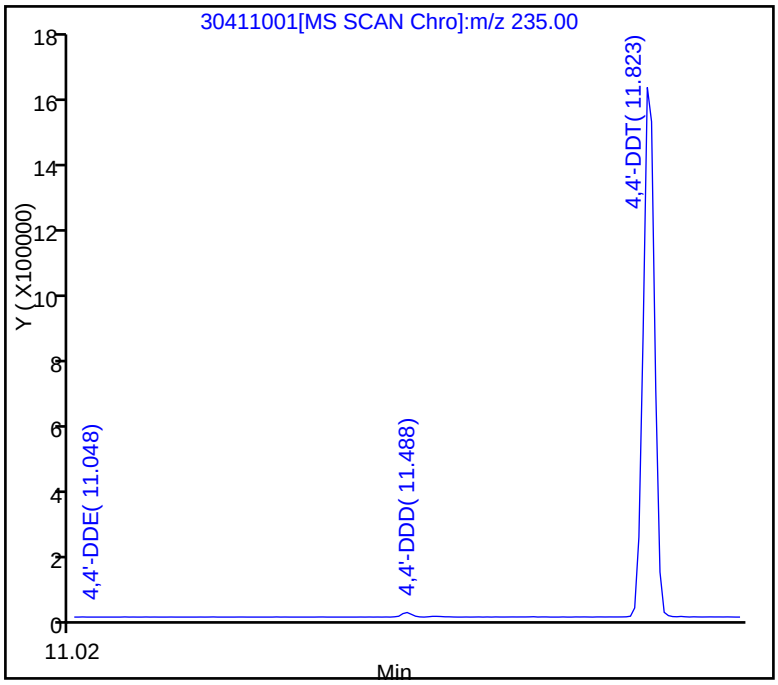
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	19112	211.00	5662	314.00	1290	437.00	385
112.00	2721	212.00	1747	315.00	3136	438.00	1138
113.00	695	213.00	604	316.00	1600	439.00	1819
114.00	226	214.00	602	317.00	336	441.00	52512
116.00	4285	215.00	2411	318.00	55	442.00	254272
117.00	55816	216.00	5676	319.00	77	443.00	52840
118.00	3894	217.00	33536	320.00	203	444.00	4995
119.00	809	218.00	5180	321.00	1101	445.00	233
120.00	1019	219.00	635	322.00	1080	447.00	66
121.00	543	220.00	262	323.00	9216	454.00	68
122.00	5555	221.00	30520	324.00	1989	456.00	70
123.00	7516	222.00	3560	325.00	96	458.00	58
124.00	3112	223.00	11492	327.00	1695	466.00	52
125.00	3056	224.00	77136	328.00	922	468.00	66
127.00	249984	225.00	18472	329.00	93	482.00	73
128.00	22736	226.00	3312	330.00	78	484.00	65
129.00	95488	227.00	32312	332.00	669	487.00	90
130.00	8250	228.00	4820	333.00	1107	488.00	50
131.00	1598	229.00	6930	334.00	6010	491.00	76
132.00	840	230.00	1295	335.00	1516	501.00	74
133.00	299	231.00	2787	336.00	346	505.00	69
134.00	3094	232.00	450	337.00	68	509.00	69
135.00	6672	233.00	268	338.00	70	511.00	59
136.00	3458	234.00	2024	339.00	305	513.00	161
137.00	3833	235.00	2454	340.00	321	514.00	69
138.00	1083	236.00	2151	341.00	1250	535.00	60
139.00	866	237.00	1828	342.00	406	548.00	88
140.00	1168	238.00	585	343.00	81		
141.00	12291	239.00	1351	344.00	131		
142.00	3668	240.00	1148	345.00	76		

Breakdown Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D		
Injection Date:	11-Apr-2013 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

172 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

172 4,4'-DDT, Area = 1775638
167 4,4'-DDD, Area = 13721
168 4,4'-DDE, Area = 1461

%Breakdown: 0.85%, Max Limit: 20.00%
Passed

Report Date: 12-Apr-2013 09:42:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10

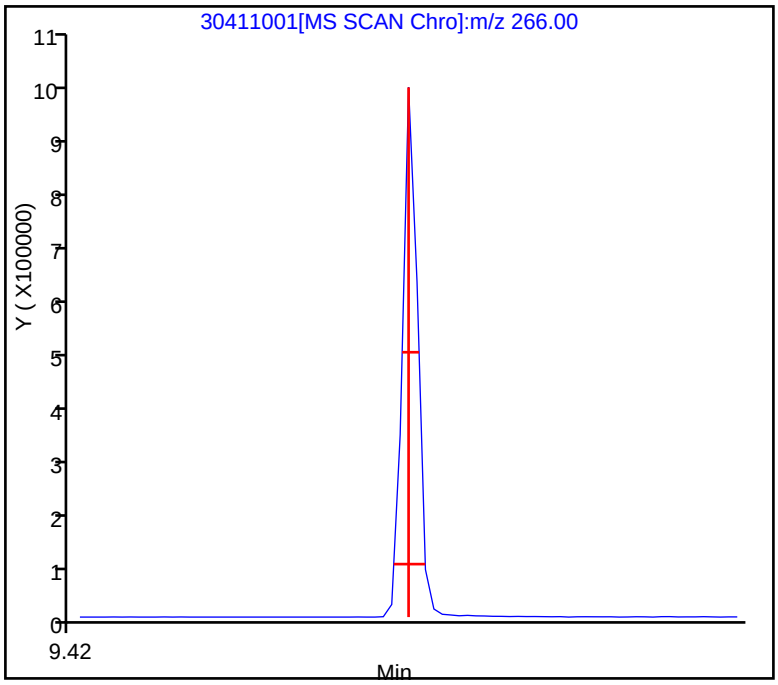
Peak Tailing Report

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D

Injection Date:	11-Apr-2013 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

144 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed

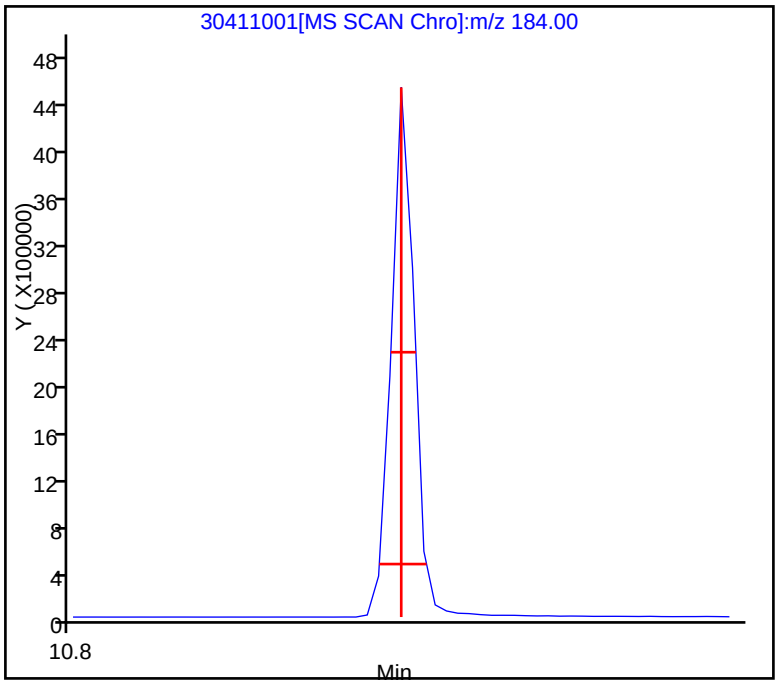
Peak Tailing Report

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411001.D

Injection Date:	11-Apr-2013 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	81609	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	17-Apr-2013 10:08:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018951-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	82293	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m		
Last Update:	18-Apr-2013 13:47:21	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK023		
First Level Reviewer: gruberj		Date:	17-Apr-2013 10:20:28

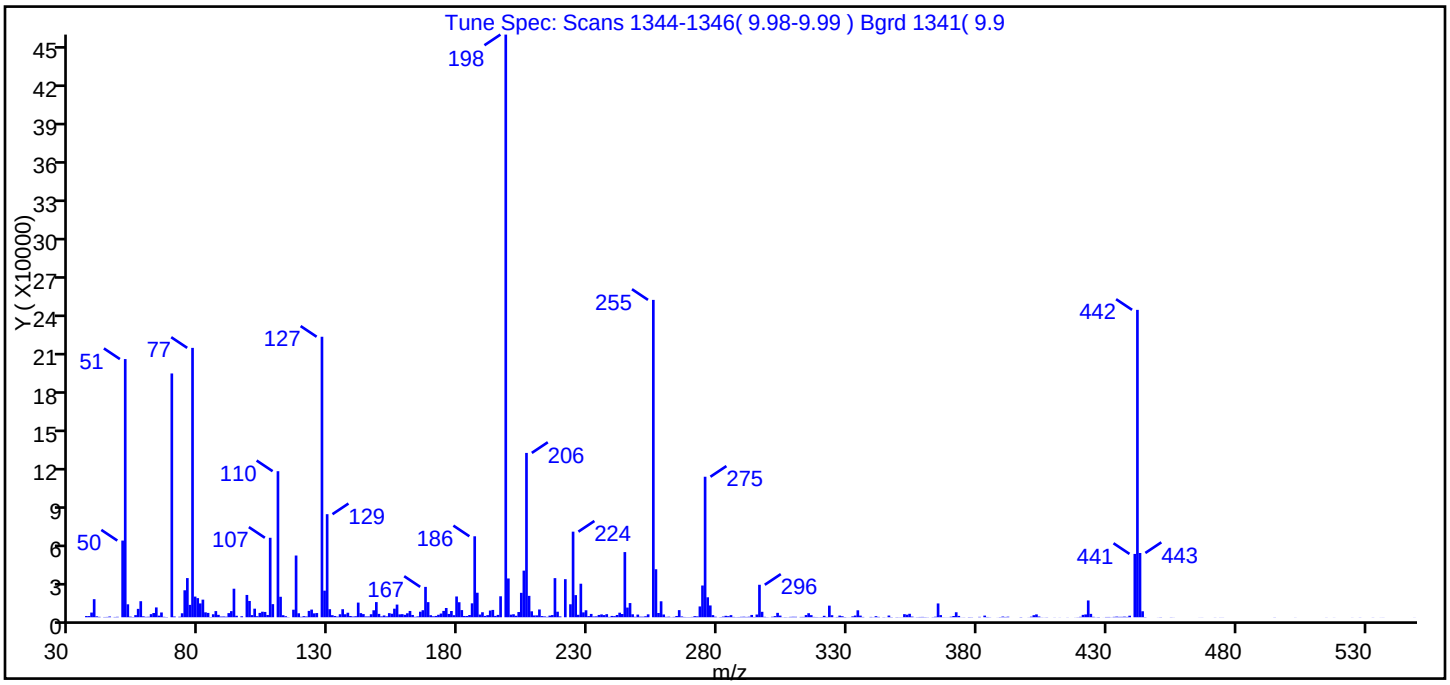
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
144 Pentachlorophenol	266	9.626	9.626	0.0	89	571216	0	
151 DFTPP								
161 Benzidine	184	10.936	10.936	0.0	98	3193697	0	
168 4,4'-DDE	246	11.112	11.112	0.0	4	799	0	
167 4,4'-DDD	235	11.447	11.447	0.0	73	10611	0	
172 4,4'-DDT	235	11.782	11.782	0.0	97	1550154	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D		
Injection Date:	17-Apr-2013 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

151 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	44.31
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.84
70	Less than 2.00% of mass 69	0.13 (0.31)
127	25.00 - 75.00% of mass 198	48.14
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	24.12
365	Greater than 0.75% of mass 198	2.37
441	Present, but less than mass 443%	10.87 (98.54)
442	40.00 - 110.00% of mass 198	52.76
443	15.00 - 24.00% of mass 442	11.03 (20.91)

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D\8270_10.rslt\spectra.d
Injection Date: 17-Apr-2013 10:08:30
Spectrum: Tune Spec: Scans 1344-1346(9.98-9.99) Bgrd 1341(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	961	142.00	3220	243.00	2546	346.00	1344
37.00	936	143.00	2462	244.00	51024	347.00	184
38.00	3673	144.00	621	245.00	7585	349.00	159
39.00	14151	145.00	636	246.00	11110	350.00	120
40.00	727	146.00	2367	247.00	2328	351.00	100
41.00	316	147.00	5455	248.00	381	352.00	2411
43.00	214	148.00	11877	249.00	2098	353.00	2015
44.00	258	149.00	2644	250.00	461	354.00	2711
45.00	593	150.00	677	251.00	449	355.00	524
46.00	22	151.00	1409	252.00	785	356.00	51
47.00	232	152.00	701	253.00	2277	357.00	144
48.00	355	153.00	3206	255.00	248448	358.00	234
50.00	60032	154.00	2761	256.00	37576	359.00	280
51.00	202112	155.00	6711	257.00	3330	360.00	167
52.00	10142	156.00	9922	258.00	12510	361.00	107
53.00	488	157.00	2280	259.00	2165	363.00	158
54.00	206	158.00	2423	260.00	327	364.00	422
55.00	1658	159.00	1929	261.00	466	365.00	10815
56.00	6566	160.00	3119	262.00	128	366.00	1681
57.00	12565	161.00	4932	263.00	288	367.00	114
58.00	726	162.00	1787	264.00	960	368.00	81
59.00	321	163.00	349	265.00	5572	369.00	76
60.00	391	164.00	641	266.00	614	370.00	414
61.00	2435	165.00	4335	267.00	242	371.00	976
62.00	3325	166.00	5518	268.00	173	372.00	3921
63.00	7691	167.00	23776	269.00	180	373.00	1041
64.00	1265	168.00	11836	270.00	269	374.00	67
65.00	3756	169.00	1610	271.00	867	375.00	103
66.00	332	170.00	746	272.00	662	377.00	183
67.00	192	171.00	1045	273.00	8478	378.00	143
69.00	190848	172.00	1939	274.00	24848	381.00	309
70.00	598	173.00	2911	275.00	110000	383.00	1294
72.00	401	174.00	4963	276.00	15623	384.00	230

Report Date: 18-Apr-2013 13:47:21 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D\8270_10.rslt\spectra.d
Injection Date: 17-Apr-2013 10:08:30
Spectrum: Tune Spec: Scans 1344-1346(9.98-9.99) Bgrd 1341(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3121	175.00	7260	277.00	9241	385.00	120
74.00	21120	176.00	2595	278.00	1662	388.00	53
75.00	30672	177.00	4898	279.00	424	389.00	180
76.00	9688	178.00	1622	280.00	52	390.00	549
77.00	210880	179.00	16268	281.00	202	391.00	245
78.00	16183	180.00	11767	282.00	534	392.00	452
79.00	14972	181.00	5606	283.00	1135	397.00	196
80.00	10832	182.00	1002	284.00	827	400.00	87
81.00	13782	183.00	1007	285.00	1657	401.00	459
82.00	3854	184.00	1756	286.00	279	402.00	1620
83.00	3411	185.00	10905	287.00	163	403.00	2236
84.00	206	186.00	63392	288.00	223	404.00	596
85.00	2341	187.00	19200	289.00	345	405.00	95
86.00	4822	188.00	2117	290.00	430	406.00	59
87.00	1897	189.00	3932	291.00	269	407.00	129
88.00	551	190.00	1070	292.00	429	410.00	80
89.00	613	191.00	1663	293.00	1815	412.00	65
90.00	451	192.00	5263	294.00	226	415.00	75
91.00	3245	193.00	5747	295.00	2144	418.00	66
92.00	4794	194.00	1068	296.00	25424	419.00	126
93.00	22344	195.00	1845	297.00	4273	420.00	360
94.00	1168	196.00	16424	298.00	333	421.00	1882
96.00	772	198.00	456128	299.00	142	422.00	2206
97.00	21	199.00	30368	300.00	60	423.00	13151
98.00	17464	200.00	2035	301.00	418	424.00	2643
99.00	12751	201.00	2339	302.00	888	425.00	323
100.00	1676	202.00	1171	303.00	3436	426.00	93
101.00	6717	203.00	4080	304.00	1304	427.00	198
102.00	809	204.00	19120	305.00	99	429.00	28
103.00	3404	205.00	36504	306.00	167	430.00	225
104.00	4338	206.00	128648	307.00	102	431.00	238
105.00	4160	207.00	16752	308.00	318	432.00	92
106.00	1781	208.00	4661	309.00	397	433.00	321
107.00	62224	209.00	1402	310.00	372	434.00	509

Report Date: 18-Apr-2013 13:47:21 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D\8270_10.rslt\spectra.d
Injection Date: 17-Apr-2013 10:08:30
Spectrum: Tune Spec: Scans 1344-1346(9.98-9.99) Bgrd 1341(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 390

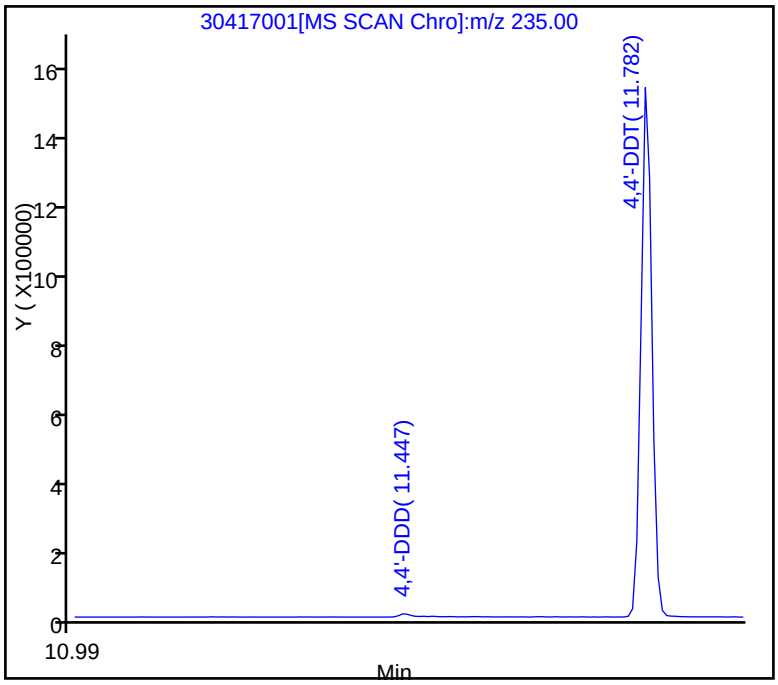
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	10258	210.00	1463	312.00	264	435.00	323
110.00	114336	211.00	6093	313.00	285	436.00	333
111.00	16030	212.00	904	314.00	1696	437.00	504
112.00	1597	213.00	652	315.00	3166	438.00	282
113.00	807	214.00	320	316.00	1651	439.00	1206
114.00	154	215.00	1297	317.00	280	441.00	49576
116.00	5909	216.00	1705	318.00	215	442.00	240640
117.00	48328	217.00	30624	319.00	148	443.00	50312
118.00	3124	218.00	4343	320.00	208	444.00	4687
119.00	387	219.00	643	321.00	1132	445.00	165
120.00	866	221.00	29816	322.00	272	450.00	52
121.00	589	223.00	10166	323.00	9097	451.00	142
122.00	4977	224.00	67008	324.00	1594	455.00	113
123.00	6012	225.00	17328	325.00	71	456.00	60
124.00	3053	226.00	1928	326.00	240	466.00	50
125.00	3284	227.00	26256	327.00	1294	467.00	61
127.00	219584	228.00	3833	328.00	785	472.00	76
128.00	20824	229.00	5473	329.00	205	474.00	69
129.00	80680	230.00	897	330.00	68	475.00	68
130.00	6306	231.00	2608	331.00	78	495.00	100
131.00	1599	232.00	596	332.00	690	503.00	63
132.00	997	233.00	701	333.00	1335	515.00	69
133.00	511	234.00	1808	334.00	5451	518.00	54
134.00	2366	235.00	2242	335.00	1288	525.00	59
135.00	6306	236.00	1696	336.00	250	528.00	85
136.00	2348	237.00	2403	339.00	265	533.00	80
137.00	3536	238.00	308	340.00	118	536.00	50
138.00	989	239.00	1042	341.00	858	537.00	60
139.00	566	240.00	856	342.00	301	549.00	54
140.00	792	241.00	1771	344.00	150		
141.00	11484	242.00	3571	345.00	61		

Breakdown Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D		
Injection Date:	17-Apr-2013 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

172 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

172 4,4'-DDT, Area = 1550154
167 4,4'-DDD, Area = 10611
168 4,4'-DDE, Area = 799

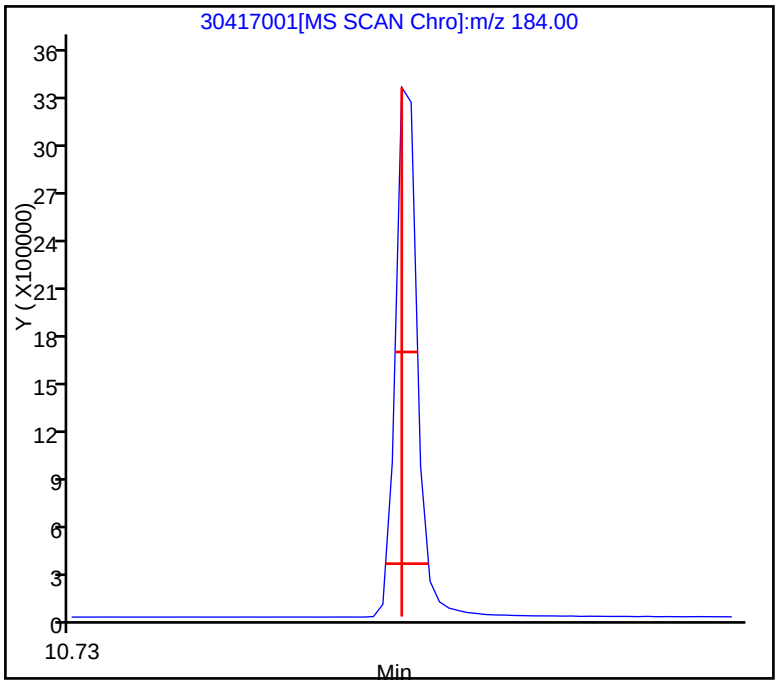
%Breakdown: 0.73%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D		
Injection Date:	17-Apr-2013 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

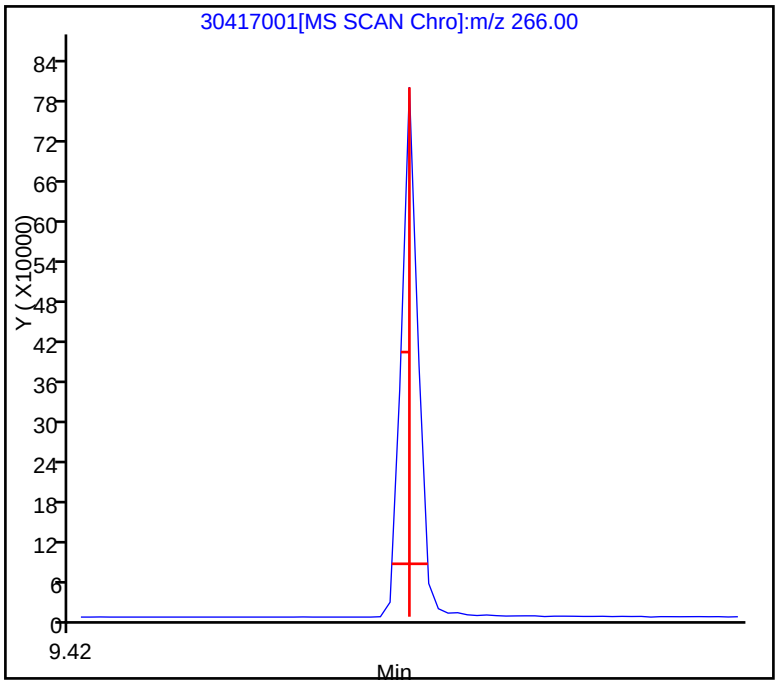
Tailing Factor = 1.7, Max. Tailing < 3.00
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417001.D		
Injection Date:	17-Apr-2013 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

144 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

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

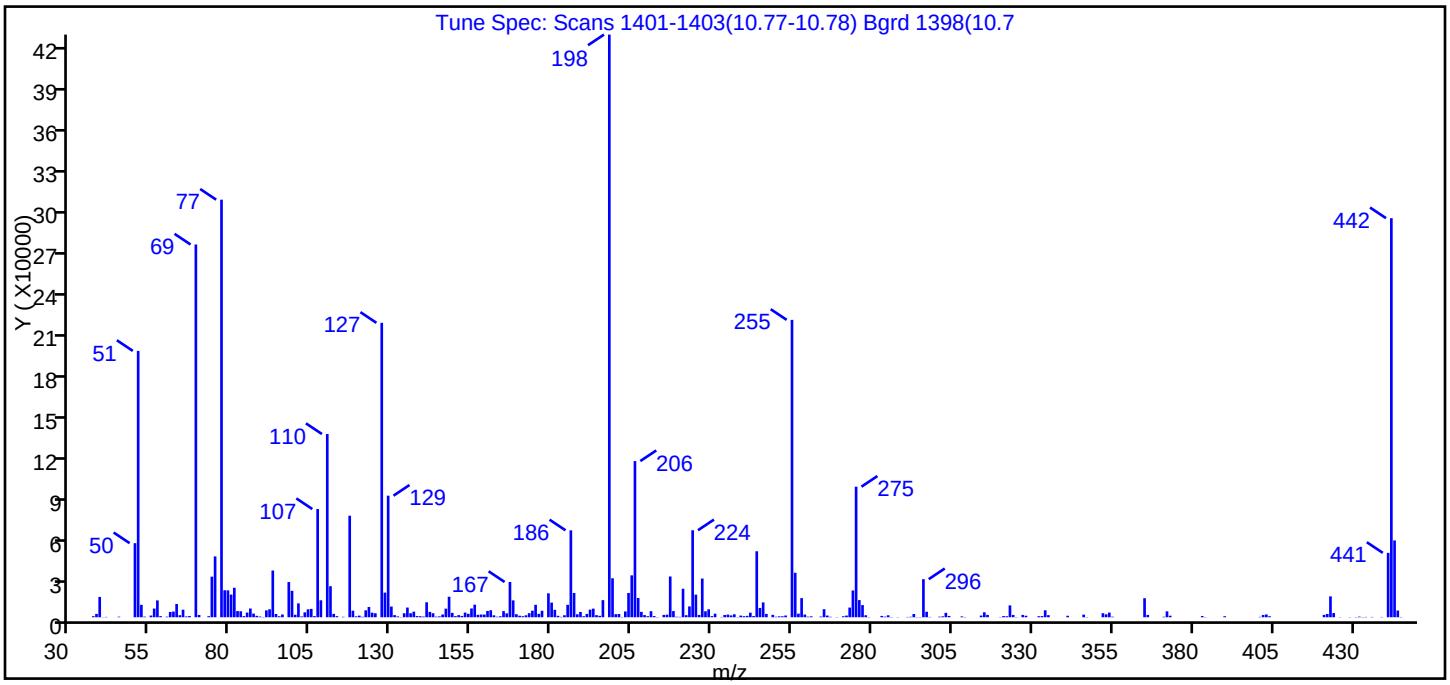
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.473	10.473	0.0	84	513343	0	
150 DFTPP								
160 Benzidine	184	11.750	11.750	0.0	98	2899500	0	
166 4,4'-DDE	246		11.931					
165 4,4'-DDD	235	12.241	12.241	0.0	1	2308	0	
170 4,4'-DDT	235	12.476	12.476	0.0	95	1399992	0	

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

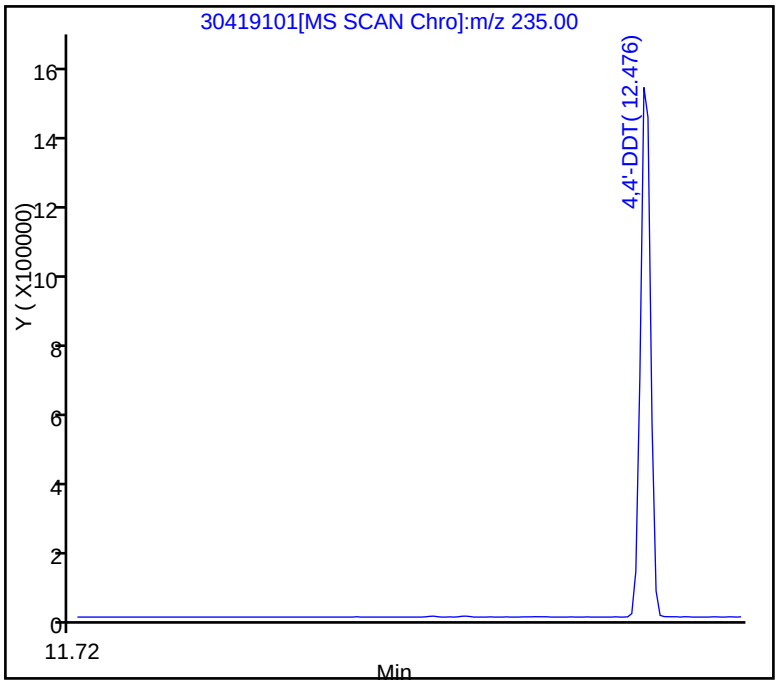
m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	361	195.00	1055	276.00	12597	444.00	4929
122.00	5087	196.00	12561	277.00	8930	445.00	217
123.00	7521	198.00	427584	278.00	1467		
124.00	3344	199.00	28608	279.00	180		
125.00	2927	200.00	2267	283.00	975		

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

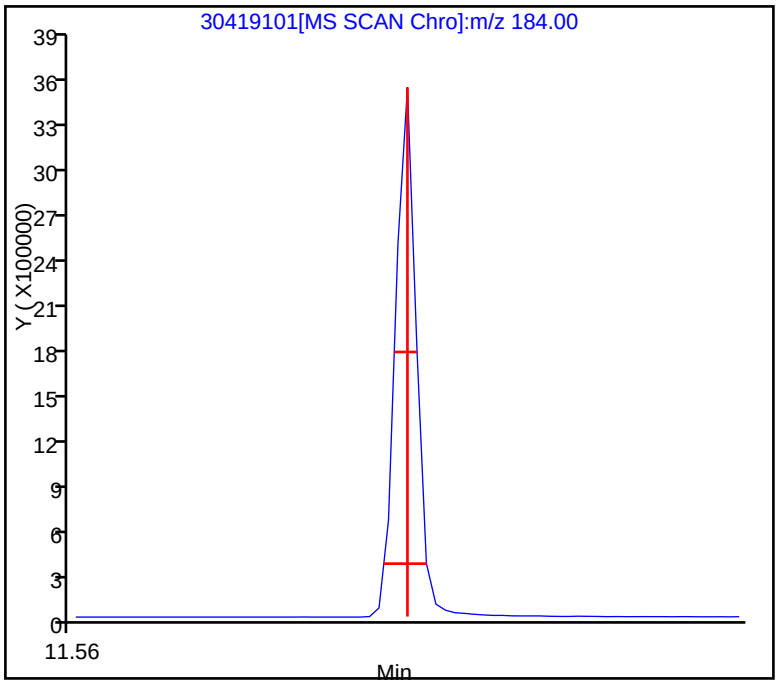
Report Date: 19-Apr-2013 15:20:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

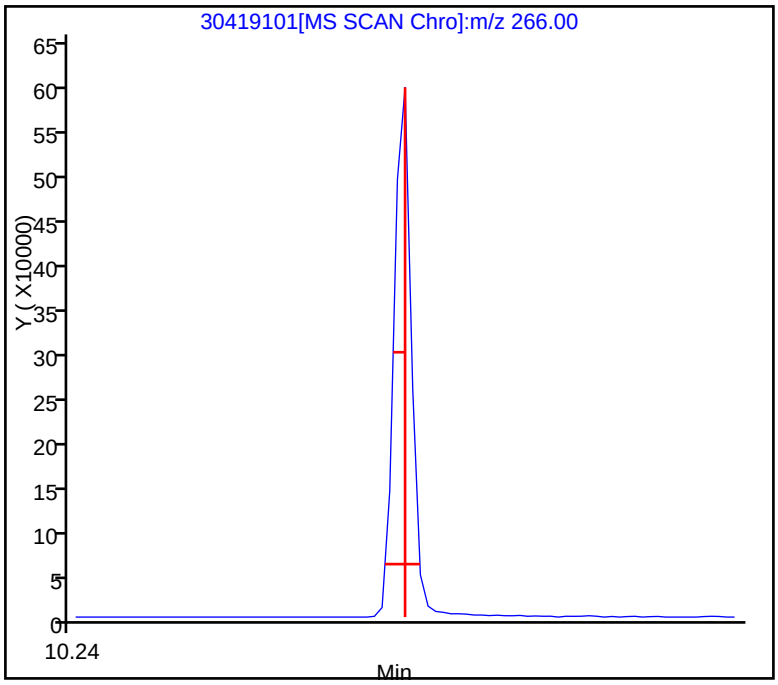
Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

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\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

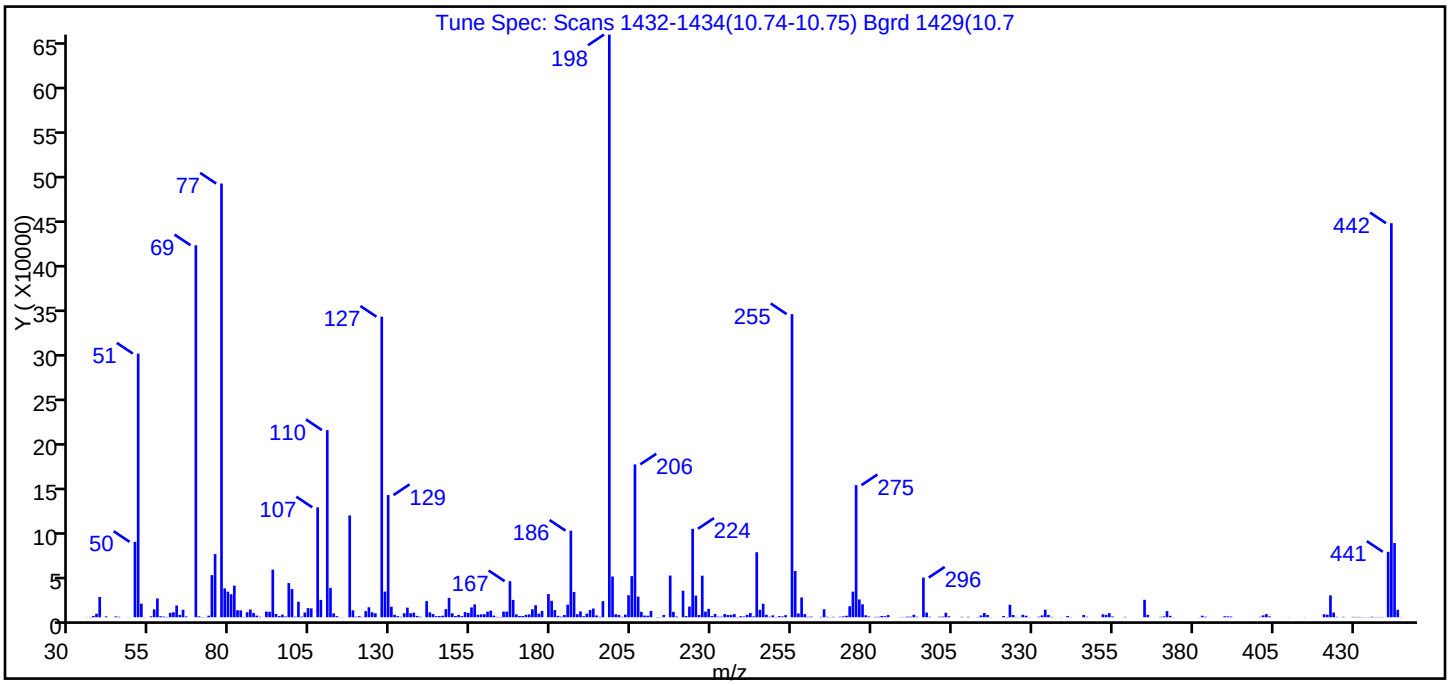
Report Date: 22-Apr-2013 15:21:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

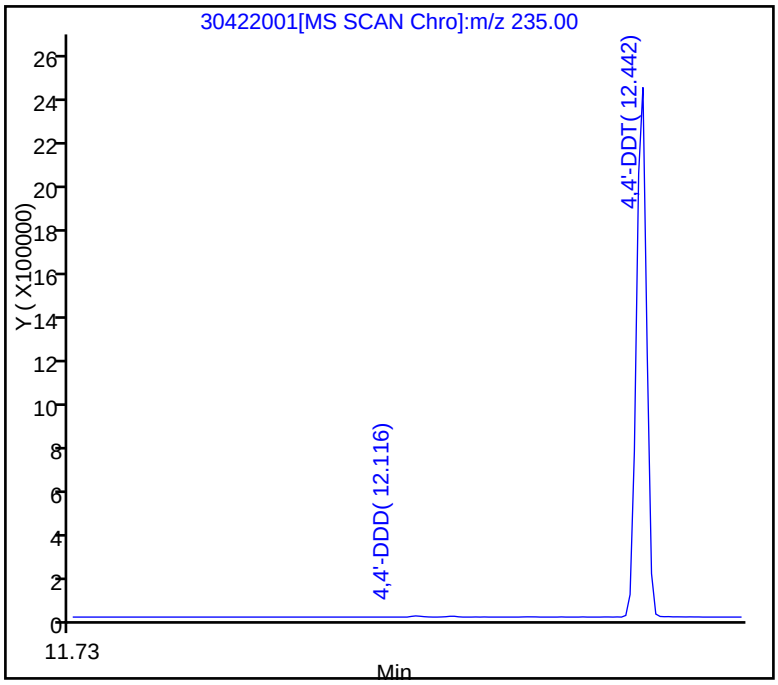
m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	180	198.00	654080	284.00	1149	437.00	251
117.00	114272	199.00	45704	285.00	2468	438.00	219
118.00	7747	200.00	3376	289.00	254	439.00	364
119.00	651	201.00	2611	290.00	214	441.00	73472
120.00	1208	202.00	505	291.00	691	442.00	442368
121.00	168	203.00	2933	292.00	643	443.00	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

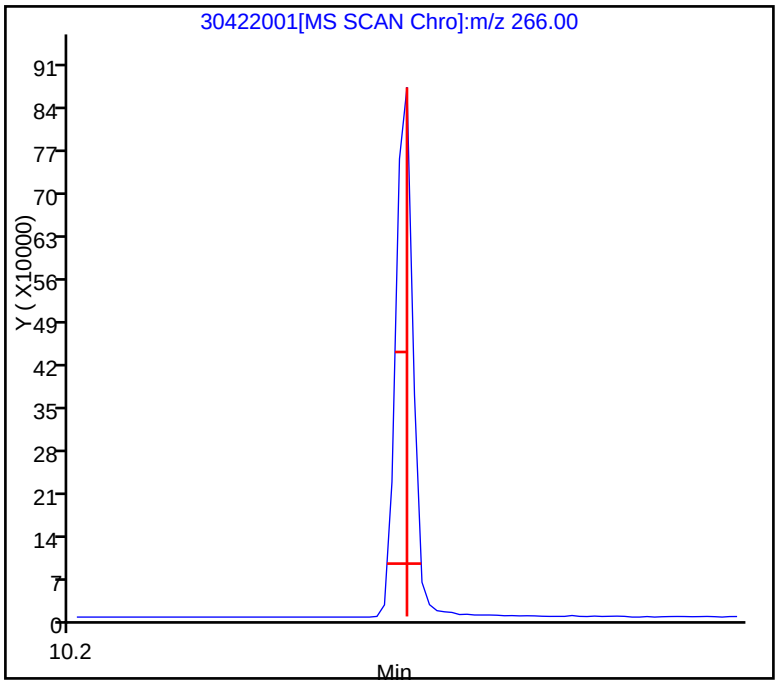
Report Date: 22-Apr-2013 15:21:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

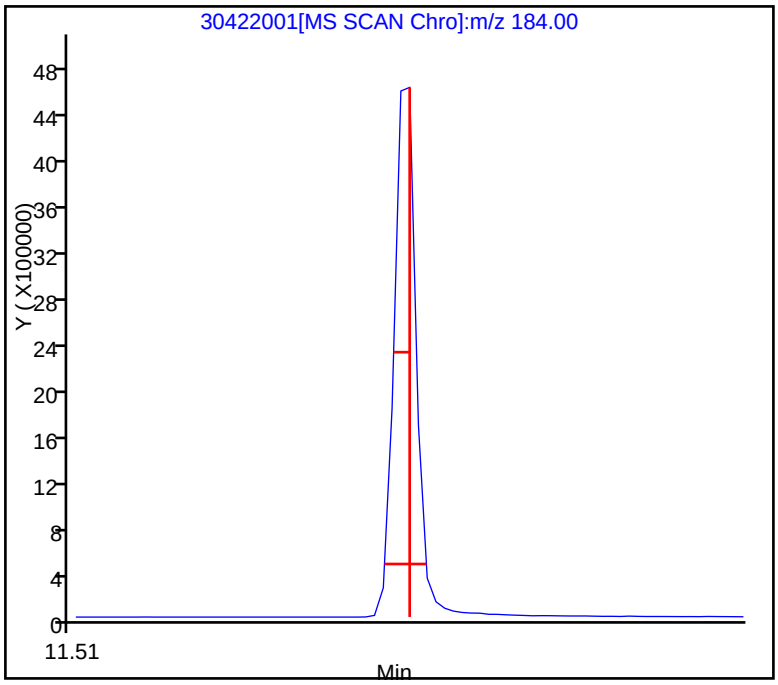
Report Date: 22-Apr-2013 15:21:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Apr-2013 09:30:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0019166-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	83126	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m		
Last Update:	23-Apr-2013 14:35:27	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 09:59:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.414	10.414	0.0	84	563681	0	
150 DFTPP								
160 Benzidine	184	11.685	11.685	0.0	88	3382180	0	
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235	12.129	12.129	0.0	13	3186	0	
170 4,4'-DDT	235	12.407	12.407	0.0	96	1542335	0	

QC Flag Legend

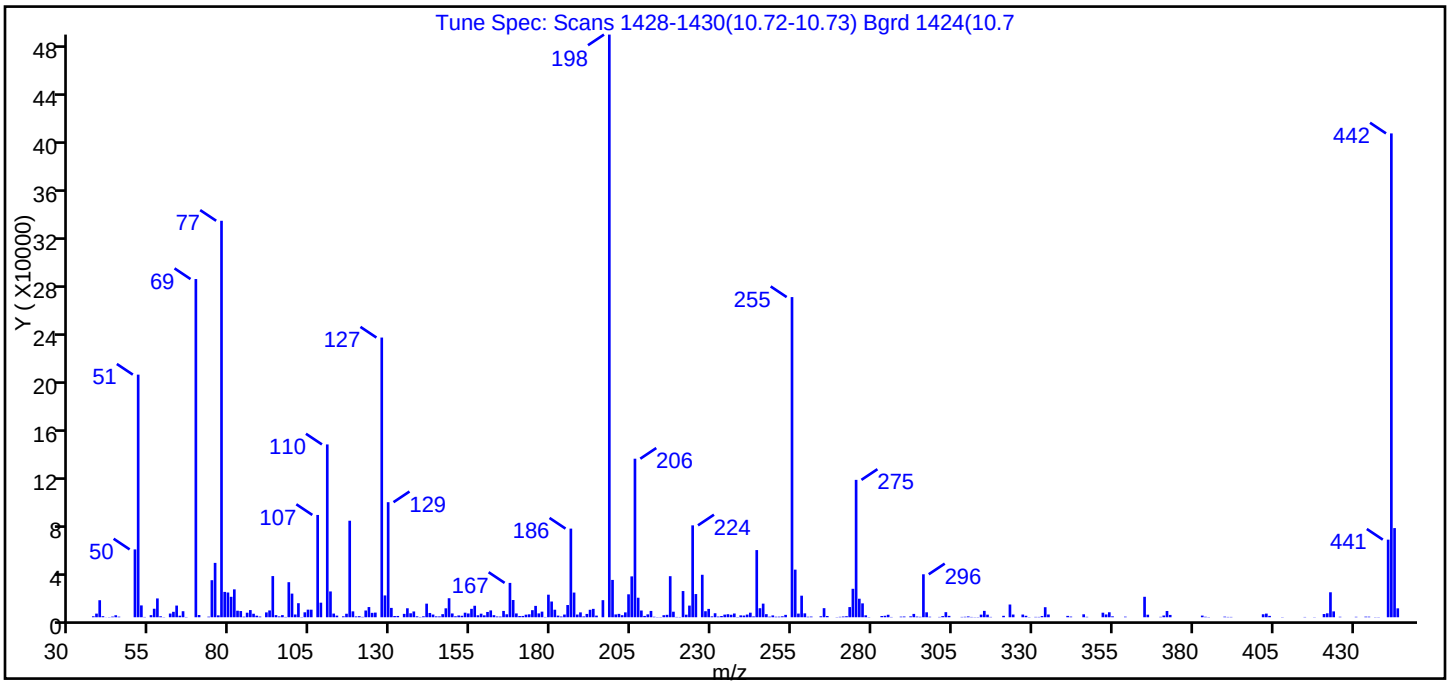
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D		
Injection Date:	23-Apr-2013 09:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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	41.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	58.04
70	Less than 2.00% of mass 69	0.38 (0.66)
127	25.00 - 75.00% of mass 198	48.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.41
275	10.00 - 30.00% of mass 198	23.58
365	Greater than 0.75% of mass 198	3.51
441	Present, but less than mass 443%	13.32 (87.04)
442	40.00 - 110.00% of mass 198	83.04
443	15.00 - 24.00% of mass 442	15.30 (18.43)

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D\8270 _9.rslt\spectra.d
Injection Date: 23-Apr-2013 09:30:30
Spectrum: Tune Spec: Scans 1428-1430(10.72-10.73) Bgrd 1424(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 298

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	823	127.00	233152	205.00	34080	292.00	750
38.00	3045	128.00	18192	206.00	132160	293.00	2791
39.00	14201	129.00	95920	207.00	16285	294.00	567
40.00	900	130.00	7796	208.00	5606	295.00	358
41.00	73	131.00	1022	209.00	1104	296.00	35824
42.00	175	132.00	1084	210.00	2404	297.00	4125
43.00	569	134.00	2820	211.00	5277	298.00	438
44.00	1664	135.00	7496	212.00	425	301.00	277
45.00	490	136.00	3314	213.00	200	302.00	966
50.00	56552	137.00	4837	214.00	227	303.00	4246
51.00	202240	138.00	778	215.00	1706	304.00	1154
52.00	9873	139.00	247	216.00	2030	308.00	290
53.00	259	140.00	793	217.00	34240	309.00	399
55.00	1751	141.00	11341	218.00	4628	310.00	690
56.00	7097	142.00	3565	219.00	279	311.00	270
57.00	15693	143.00	2262	220.00	227	312.00	167
58.00	808	144.00	738	221.00	21848	313.00	190
59.00	168	145.00	701	222.00	2140	314.00	2182
61.00	3094	146.00	2585	223.00	9720	315.00	5331
62.00	4542	147.00	7458	224.00	76608	316.00	2149
63.00	9745	148.00	15860	225.00	19336	317.00	289
64.00	1293	149.00	3173	227.00	35416	321.00	1195
65.00	5035	150.00	814	228.00	5028	323.00	10622
66.00	234	151.00	1493	229.00	6966	324.00	2271
69.00	281920	152.00	1247	230.00	738	327.00	2263
70.00	1853	153.00	3794	231.00	3347	328.00	1229
73.00	495	154.00	3152	232.00	581	329.00	189
74.00	30896	155.00	7022	233.00	1031	331.00	310
75.00	45328	156.00	9578	234.00	2208	332.00	285
76.00	1590	157.00	1652	235.00	2530	333.00	976
77.00	330496	158.00	2985	236.00	2078	334.00	8367
78.00	21128	159.00	1590	237.00	3134	335.00	2305
79.00	20640	160.00	4412	238.00	235	341.00	1141

Report Date: 23-Apr-2013 14:35:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D\8270 _9.rslt\spectra.d
Injection Date: 23-Apr-2013 09:30:30
Spectrum: Tune Spec: Scans 1428-1430(10.72-10.73) Bgrd 1424(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 298

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	17048	161.00	5699	239.00	1575	342.00	550
81.00	23256	162.00	1711	240.00	1416	346.00	2464
82.00	5449	163.00	646	241.00	2236	347.00	369
83.00	5173	164.00	564	242.00	3808	352.00	3810
84.00	497	165.00	5268	243.00	686	353.00	2330
85.00	3790	166.00	2485	244.00	55992	354.00	4155
86.00	5983	167.00	28640	245.00	7529	355.00	773
87.00	2927	168.00	14371	246.00	11365	359.00	499
88.00	1315	169.00	3188	247.00	2572	365.00	17064
89.00	595	170.00	1024	248.00	501	366.00	2126
91.00	4048	171.00	1107	249.00	1542	370.00	352
92.00	5686	172.00	2171	250.00	455	371.00	1463
93.00	34328	173.00	2453	251.00	502	372.00	5227
94.00	1760	174.00	5906	252.00	806	373.00	1936
95.00	690	175.00	9482	253.00	1998	383.00	1382
96.00	1763	176.00	3216	255.00	266880	384.00	425
97.00	269	177.00	4688	256.00	39688	385.00	198
98.00	29232	178.00	247	257.00	3048	390.00	504
99.00	19712	179.00	18808	258.00	17984	391.00	278
100.00	2310	180.00	13117	259.00	3253	392.00	280
101.00	11718	181.00	6284	260.00	440	402.00	2498
102.00	225	182.00	1376	261.00	567	403.00	3051
103.00	4119	183.00	623	264.00	824	404.00	1144
104.00	6336	184.00	2252	265.00	7580	408.00	186
105.00	6313	185.00	10187	266.00	1030	415.00	249
107.00	85280	186.00	73888	269.00	179	418.00	167
108.00	12151	187.00	20584	270.00	360	421.00	2697
110.00	144064	188.00	2258	271.00	624	422.00	3286
111.00	21520	189.00	4066	272.00	864	423.00	20832
112.00	3072	190.00	680	273.00	8484	424.00	4900
113.00	1365	191.00	2765	274.00	23720	426.00	401
115.00	788	192.00	6229	275.00	114528	431.00	380
116.00	2930	193.00	6995	276.00	15446	434.00	508
117.00	80464	194.00	1370	277.00	11581	435.00	486

Report Date: 23-Apr-2013 14:35:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D\8270 _9.rslt\spectra.d
Injection Date: 23-Apr-2013 09:30:30
Spectrum: Tune Spec: Scans 1428-1430(10.72-10.73) Bgrd 1424(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 298

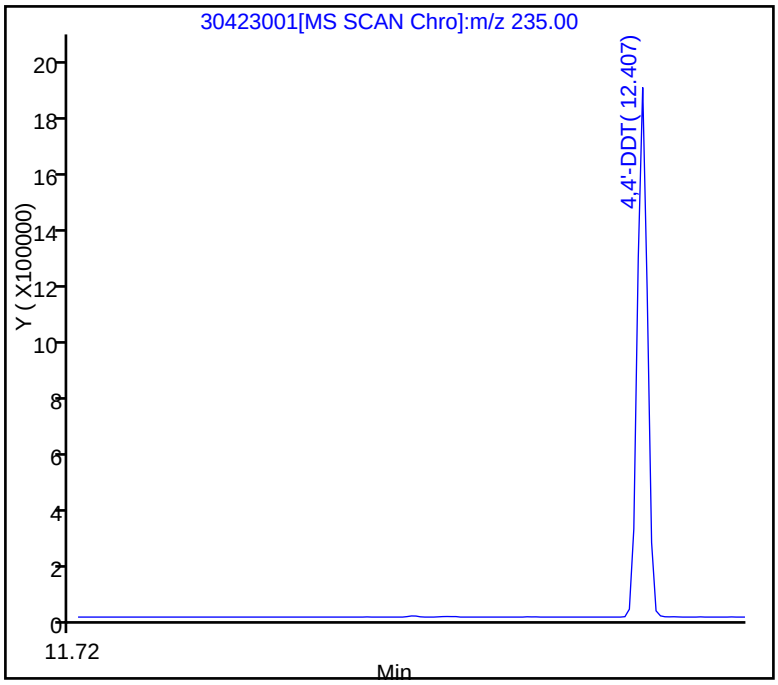
m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	4922	196.00	14253	278.00	1609	437.00	169
119.00	686	198.00	485696	279.00	208	438.00	180
120.00	902	199.00	31128	283.00	1050	441.00	64688
121.00	313	200.00	2359	284.00	1238	442.00	403328
122.00	5619	201.00	2822	285.00	2086	443.00	74320
123.00	8497	202.00	1712	286.00	245	444.00	7438
124.00	3674	203.00	4062	289.00	517		
125.00	3886	204.00	19136	290.00	627		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D		
Injection Date:	23-Apr-2013 09:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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 = 1542335
165 4,4'-DDD, Area = 3186
166 4,4'-DDE, Area = 0

%Breakdown: 0.21%, Max Limit: 20.00%
Passed

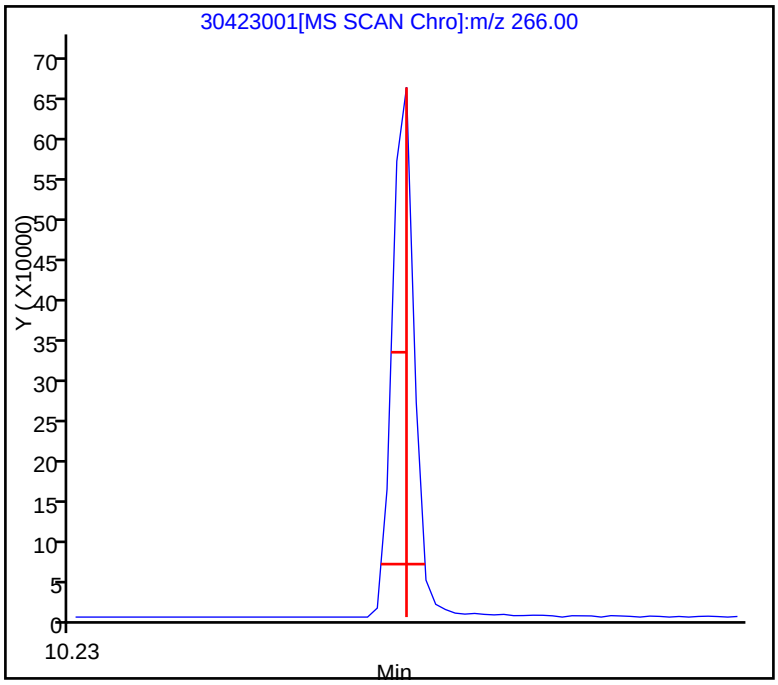
Report Date: 23-Apr-2013 14:35:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D		
Injection Date:	23-Apr-2013 09:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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

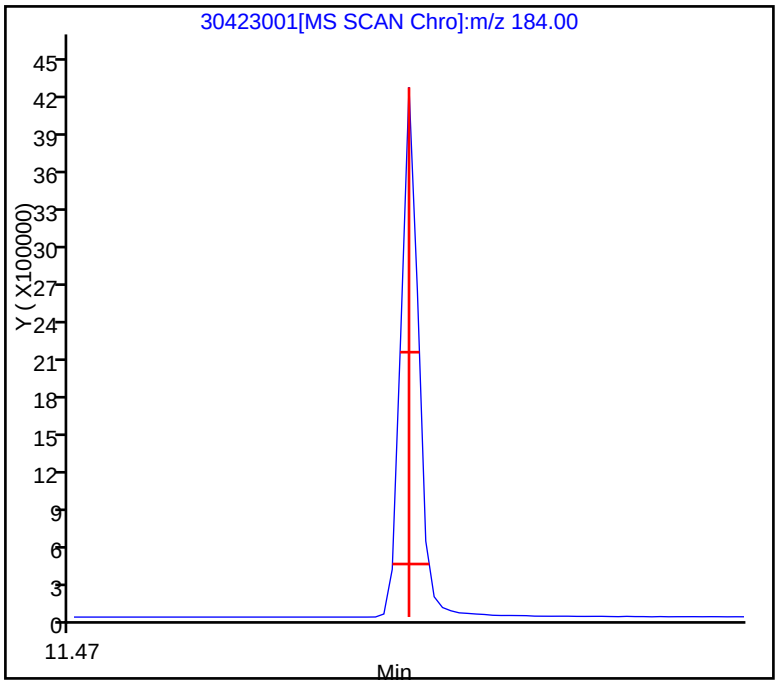
Report Date: 23-Apr-2013 14:35:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423001.D		
Injection Date:	23-Apr-2013 09:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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 = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	28-Apr-2013 14:50:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0019340-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	83882	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m		
Last Update:	29-Apr-2013 10:48:17	Calib Date:	27-Apr-2013 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK012		

First Level Reviewer: ulmanm Date: 28-Apr-2013 15:09:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.358	10.358	0.0	82	681371	0	
150 DFTPP								
160 Benzidine	184	11.627	11.627	0.0	99	4878939	0	
166 4,4'-DDE	246		11.754					9
165 4,4'-DDD	235	12.118	12.118	0.0	35	4202	0	
170 4,4'-DDT	235	12.344	12.344	0.0	96	2160753	0	

QC Flag Legend

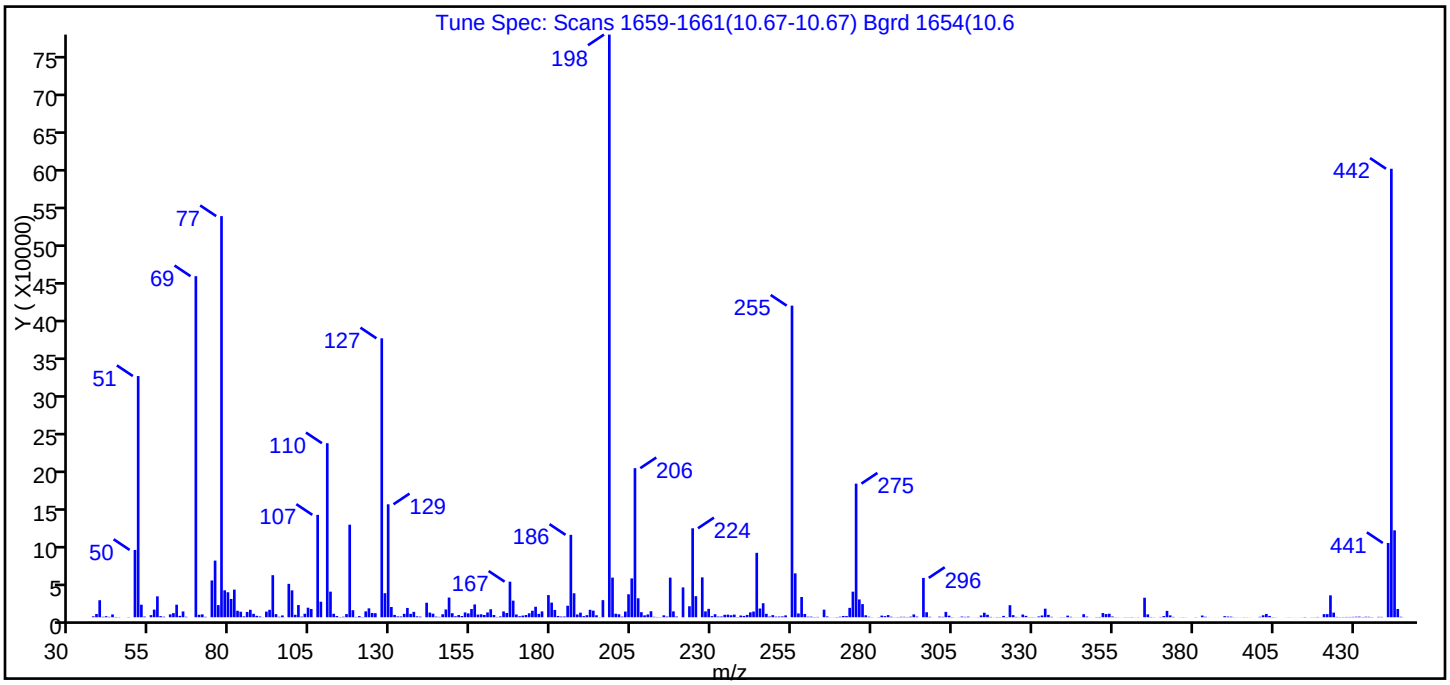
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D		
Injection Date:	28-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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	41.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	58.54
70	Less than 2.00% of mass 69	0.42 (0.72)
127	25.00 - 75.00% of mass 198	47.87
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	22.94
365	Greater than 0.75% of mass 198	3.35
441	Present, but less than mass 443%	12.75 (85.43)
442	40.00 - 110.00% of mass 198	76.97
443	15.00 - 24.00% of mass 442	14.92 (19.38)

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D\8270 _9.rslt\spectra.d
Injection Date: 28-Apr-2013 14:50:30
Spectrum: Tune Spec: Scans 1659-1661(10.67-10.67) Bgrd 1654(10.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	25	141.00	19432	241.00	3139	341.00	2182
37.00	1242	142.00	6241	242.00	6553	342.00	607
38.00	4320	143.00	4758	243.00	7674	343.00	115
39.00	22808	144.00	854	244.00	86200	344.00	164
40.00	636	145.00	536	245.00	11681	345.00	177
41.00	1444	146.00	4012	246.00	18752	346.00	4090
42.00	576	147.00	10436	247.00	4595	347.00	889
43.00	3757	148.00	26376	248.00	952	348.00	76
44.00	417	149.00	5442	249.00	2856	350.00	327
45.00	267	150.00	1315	250.00	841	351.00	425
47.00	31	151.00	2941	251.00	943	352.00	5626
48.00	289	152.00	1677	252.00	1115	353.00	4262
50.00	90072	153.00	6446	253.00	2505	354.00	4718
51.00	322752	154.00	5143	255.00	416960	355.00	985
52.00	16808	155.00	11040	256.00	58744	356.00	223
53.00	878	156.00	17136	257.00	5078	357.00	143
55.00	2831	157.00	3565	258.00	27096	358.00	94
56.00	10193	158.00	3994	259.00	4399	359.00	260
57.00	27992	159.00	3031	260.00	750	360.00	200
58.00	1459	160.00	6440	261.00	788	361.00	304
59.00	744	161.00	10715	262.00	342	362.00	123
60.00	17	162.00	2958	263.00	478	363.00	205
61.00	3890	163.00	462	265.00	10174	365.00	26120
62.00	5549	164.00	1125	266.00	1066	366.00	3867
63.00	16824	165.00	7810	267.00	140	367.00	388
64.00	1859	166.00	5757	268.00	138	368.00	186
65.00	7788	167.00	47600	269.00	361	370.00	430
66.00	624	168.00	22224	270.00	699	371.00	1536
69.00	456384	169.00	3713	271.00	1732	372.00	8524
70.00	3300	170.00	1392	272.00	1565	373.00	2505
71.00	3862	171.00	2230	273.00	12572	374.00	509
72.00	599	172.00	2945	274.00	34256	376.00	117
74.00	49256	173.00	5283	275.00	178816	377.00	220

Report Date: 29-Apr-2013 10:48:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D\8270 _9.rslt\spectra.d
Injection Date: 28-Apr-2013 14:50:30
Spectrum: Tune Spec: Scans 1659-1661(10.67-10.67) Bgrd 1654(10.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	75832	174.00	8685	276.00	23832	378.00	116
76.00	16276	175.00	14048	277.00	17592	381.00	243
77.00	536768	176.00	4507	278.00	2639	383.00	2300
78.00	36072	177.00	7844	279.00	791	384.00	697
79.00	33464	179.00	29680	280.00	195	385.00	79
80.00	24488	180.00	19592	281.00	42	387.00	83
81.00	36976	181.00	9793	282.00	298	388.00	61
82.00	8643	182.00	1714	283.00	2221	390.00	1457
83.00	7382	183.00	941	284.00	1491	391.00	948
84.00	1150	184.00	1006	285.00	2908	392.00	826
85.00	7099	185.00	15406	286.00	699	393.00	213
86.00	9995	186.00	110280	287.00	174	394.00	103
87.00	4599	187.00	32088	288.00	334	395.00	91
88.00	1964	188.00	3733	289.00	613	396.00	203
89.00	1068	189.00	6162	290.00	603	397.00	174
90.00	169	190.00	1497	291.00	352	398.00	94
91.00	7564	191.00	2781	292.00	829	400.00	62
92.00	9954	192.00	9988	293.00	3757	401.00	618
93.00	56288	193.00	8858	294.00	857	402.00	2646
94.00	4159	194.00	2664	296.00	52648	403.00	4433
95.00	651	195.00	236	297.00	6713	404.00	1747
96.00	2404	196.00	22904	298.00	622	405.00	322
97.00	59	198.00	779648	299.00	51	406.00	172
98.00	44696	199.00	53064	301.00	793	409.00	100
99.00	35984	200.00	4701	302.00	555	410.00	156
100.00	3269	201.00	3998	303.00	7178	411.00	63
101.00	16339	202.00	885	304.00	2100	412.00	72
102.00	793	203.00	7593	305.00	311	413.00	52
103.00	4673	204.00	30752	306.00	90	414.00	89
104.00	12772	205.00	51984	307.00	156	415.00	365
105.00	11079	206.00	199488	308.00	927	416.00	65
107.00	137024	207.00	25416	309.00	554	417.00	175
108.00	20776	208.00	6787	310.00	844	418.00	208
110.00	232896	209.00	2548	311.00	50	419.00	397

Report Date: 29-Apr-2013 10:48:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D\8270 _9.rslt\spectra.d
Injection Date: 28-Apr-2013 14:50:30
Spectrum: Tune Spec: Scans 1659-1661(10.67-10.67) Bgrd 1654(10.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

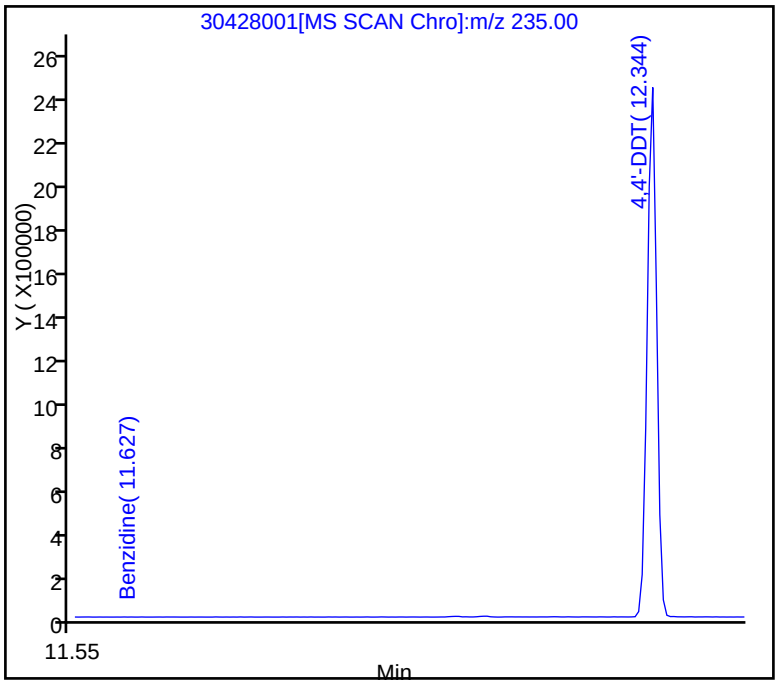
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	34272	210.00	3726	312.00	96	420.00	132
112.00	4629	211.00	8010	313.00	205	421.00	4162
113.00	1612	212.00	616	314.00	2411	422.00	4143
114.00	363	213.00	389	315.00	6064	423.00	29328
115.00	718	214.00	260	316.00	3375	424.00	6184
116.00	4233	215.00	2572	317.00	479	425.00	478
117.00	123864	216.00	916	318.00	99	426.00	286
118.00	9407	217.00	53040	319.00	349	427.00	283
119.00	470	218.00	7878	320.00	276	428.00	441
120.00	1571	219.00	971	321.00	1804	429.00	425
121.00	331	221.00	39920	322.00	314	430.00	528
122.00	7893	223.00	14730	323.00	16127	431.00	736
123.00	11899	224.00	119056	324.00	2798	432.00	841
124.00	5728	225.00	28216	325.00	496	433.00	335
125.00	5450	227.00	53344	326.00	212	434.00	695
127.00	373248	228.00	7876	327.00	3681	435.00	629
128.00	32184	229.00	11234	328.00	1889	436.00	322
129.00	151168	230.00	1512	329.00	288	438.00	561
130.00	13695	231.00	4048	330.00	310	439.00	505
131.00	3156	232.00	955	331.00	157	441.00	99368
132.00	1160	233.00	1003	332.00	1040	442.00	600128
133.00	1051	234.00	3282	333.00	2351	443.00	116312
134.00	4564	235.00	3489	334.00	11473	444.00	11081
135.00	12450	236.00	2720	335.00	3163	445.00	661
136.00	4564	237.00	3534	336.00	581	446.00	72
137.00	7238	238.00	330	338.00	100		
138.00	1216	239.00	2330	339.00	294		
139.00	872	240.00	1786	340.00	229		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D		
Injection Date:	28-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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 = 2160753
165 4,4'-DDD, Area = 4202
166 4,4'-DDE, Area = 0

%Breakdown: 0.19%, Max Limit: 20.00%
Passed

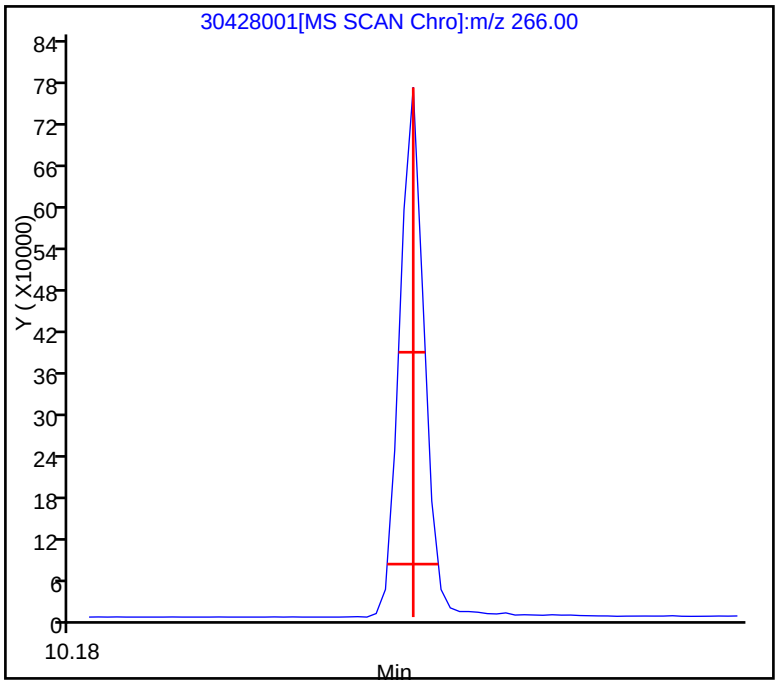
Report Date: 29-Apr-2013 10:48:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D		
Injection Date:	28-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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 = 0.013 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

Report Date: 29-Apr-2013 10:48:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

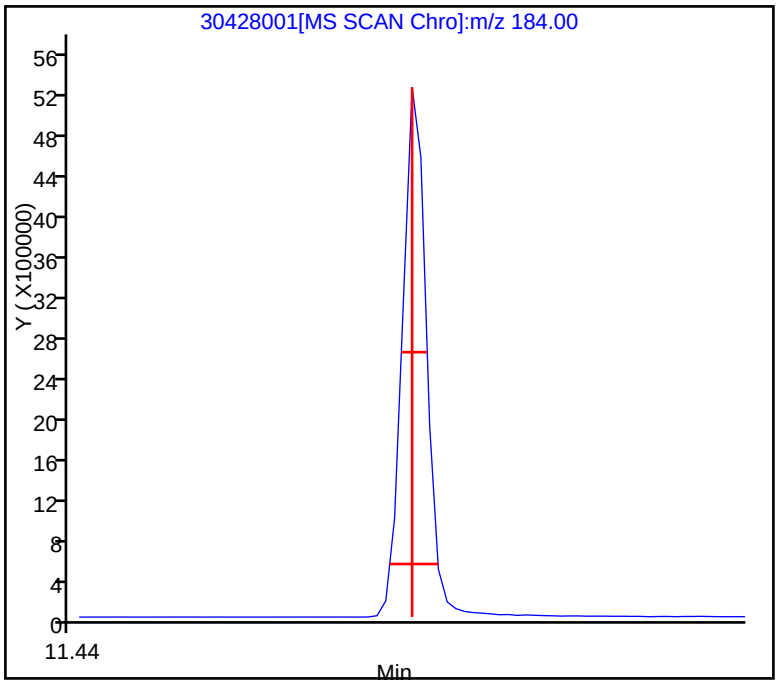
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428001.D

Injection Date:	28-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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 = 0.014 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81130/22-A

Matrix: Water | Lab File ID: 30417004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:13

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.10	U	0.20	0.10	0.10
208-96-8	Acenaphthylene	0.10	U	0.20	0.10	0.10
120-12-7	Anthracene	0.10	U	0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	0.10	U	0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	0.10	U	0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	0.10	U	0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	0.10	U	0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	0.10	U	0.20	0.10	0.10
100-51-6	Benzyl alcohol	0.80	U	5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	0.80	U	1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	0.80	U	1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	0.80	U	2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	0.80	U	2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	0.80	U	2.0	0.80	0.80
86-74-8	Carbazole	0.80	U	1.0	0.80	0.28
106-47-8	4-Chloroaniline	0.80	U	2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	0.80	U	2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	0.10	U	1.0	0.10	0.10
95-57-8	2-Chlorophenol	0.80	U	1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	0.80	U	2.0	0.80	0.30
218-01-9	Chrysene	0.10	U	0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	0.10	U	0.20	0.10	0.10
132-64-9	Dibenzofuran	0.10	U	1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	0.80	U	1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	0.80	U	1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	0.80	U	1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	0.80	U	5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	0.80	U	2.0	0.80	0.80
84-66-2	Diethyl phthalate	0.80	U	2.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	0.80	U	2.0	0.80	0.80
131-11-3	Dimethyl phthalate	0.80	U	2.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	0.80	U	2.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81130/22-A

Matrix: Water | Lab File ID: 30417004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:13

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	2.4	U	5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	0.80	U	5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	0.80	U	5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	0.80	U	2.0	0.80	0.80
206-44-0	Fluoranthene	0.10	U	0.20	0.10	0.10
86-73-7	Fluorene	0.10	U	0.20	0.10	0.10
118-74-1	Hexachlorobenzene	0.10	U	0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	0.80	U	1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	0.80	U	10	0.80	0.80
67-72-1	Hexachloroethane	0.80	U	1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	0.10
78-59-1	Isophorone	0.80	U	1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	0.10	U	0.20	0.10	0.10
95-48-7	2-Methylphenol	0.80	U	1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	0.80	U	2.0	0.80	0.80
91-20-3	Naphthalene	0.10	U	0.20	0.10	0.10
88-74-4	2-Nitroaniline	0.80	U	2.0	0.80	0.80
99-09-2	3-Nitroaniline	0.80	U	2.0	0.80	0.28
100-01-6	4-Nitroaniline	0.80	U	2.0	0.80	0.80
98-95-3	Nitrobenzene	0.10	U	1.0	0.10	0.040
88-75-5	2-Nitrophenol	0.80	U	2.0	0.80	0.28
100-02-7	4-Nitrophenol	2.4	U	5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	0.80	U	1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	0.80	U	1.0	0.80	0.31
87-86-5	Pentachlorophenol	2.4	U	5.0	2.4	2.4
85-01-8	Phenanthrene	0.10	U	0.20	0.10	0.10
108-95-2	Phenol	0.80	U	1.0	0.80	0.60
129-00-0	Pyrene	0.10	U	0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	0.80	U	5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	0.80	U	5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81130/22-A

Matrix: Water | Lab File ID: 30417004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:13

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		50-110
367-12-4	2-Fluorophenol (Surr)	72		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	67		40-110
4165-62-2	Phenol-d5 (Surr)	72		10-115
1718-51-0	Terphenyl-d14 (Surr)	73		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	81		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417004.D
Lims ID: MB 240-81130/22-A
Client ID:
Inject. Date: 17-Apr-2013 11:13:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0018951-004
Misc. Info.: MB 240-81130/22-A
Operator: 001710
Instrument ID: A4HP10
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 82293
Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:47:22
Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj
Date: 17-Apr-2013 12:34:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	97	114159	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	100	439002	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	95	255977	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	496991	4.00	
* 5 Chrysene-d12	240	12.381	12.387	-0.006	80	483527	4.00	
* 6 Perylene-d12	264	14.497	14.497	0.0	84	391525	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	93	356549	10.8	
$ 8 Phenol-d5	99	5.548	5.548	0.0	98	472796	10.7	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	90	276416	6.73	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	99	609690	7.39	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	91	113300	12.1	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	98	698162	7.34	
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
32 Malononitrile	66		2.451					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88		2.469					
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					9
26 N-Nitrosodimethylamine	74		2.939					
27 Pyridine	79		2.986					
38 2-Methylcyclohexanone	68		3.221					14
40 4-Methylcyclohexanone	55	3.374	3.221	0.153	1	1416	0	
39 3-Methylcyclohexanone	69		3.221					149
232 1-Methyl-2-pyrrilidinone	99		3.351					14
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110	4.173	4.161	0.012	1	116	0	
31 N-Nitrosomethylethylamine	88		4.226					9
22 3-Methylcatechol	124		4.460					19
34 Acrylamide	71	4.479	4.497	-0.018	1	197	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					9
17 4-Methylcatechol	124		4.583					149
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					9
41 Benzaldehyde	77		5.513					9
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94		5.560					
44 Aniline	93		5.607					9
45 Bis(2-chloroethyl)ether	93		5.660					9
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128		5.713					9
48 1,3-Dichlorobenzene	146		5.860					9
49 1,4-Dichlorobenzene	146		5.924					9
50 Benzyl alcohol	108		6.018					9
51 1,2-Dichlorobenzene	146		6.059					9
127 Tributyl phosphate	99		6.089					9
52 2-Methylphenol	108		6.106					9
53 Indene	115		6.142					9
54 2,2'-oxybis[1-chloropropane]	45		6.142					
56 3 & 4 Methylphenol	108		6.241					9
57 N-Nitrosodi-n-propylamine	70		6.253					9
58 Acetophenone	105		6.259					
55 N-Nitrosopyrrolidine	100		6.277					
59 N-Nitrosomorpholine	56		6.312					9
60 2-Toluidine	106		6.330					9
61 Hexachloroethane	117		6.365					
62 Nitrobenzene	77		6.412					
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82		6.617					9
66 2-Nitrophenol	139		6.694					
65 2,4-Dimethylphenol	107		6.706					9
70 Benzoic acid	122		6.764					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93		6.794					
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162		6.894					
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180		6.976					
74 Naphthalene	128		7.046					9
75 4-Chloroaniline	127		7.082					
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225		7.146					
77 Hexachloropropene	213		7.158					
80 Benzothiazole	135		7.243					
81 Quinoline	129		7.364					
83 Caprolactam	113		7.370					9
82 N-Nitrosodi-n-butylamine	84		7.387					9
84 p-Phenylene diamine	108		7.411					
85 4-Chloro-3-methylphenol	107		7.475					
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142		7.640					9
88 1-Methylnaphthalene	142		7.728					9
89 Hexachlorocyclopentadiene	237		7.769					
92 1,2,4,5-Tetrachlorobenzene	216		7.781					
95 Isosafrole Peak 1	162		7.834					9
93 2,4,6-Trichlorophenol	196		7.869					
94 2,4,5-Trichlorophenol	196		7.904					
96 3,4-Dichloronitrobenzene	109		7.967					9
91 Isosafrole Peak 2	162		8.028					9
98 1,1'-Biphenyl	154		8.033					9
100 2-Chloronaphthalene	162		8.057					9
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162	8.057	8.116	-0.059	0	281	0	
102 2-Nitroaniline	65		8.133					9
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163		8.274					9
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168		8.310					
107 2,6-Dinitrotoluene	165		8.333					
109 Acenaphthylene	152		8.415					9
110 3-Nitroaniline	138		8.480					
112 Acenaphthene	153		8.562					9
111 2,4-Dinitrophenol	184		8.568					
113 4-Nitrophenol	109		8.598					9
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165		8.674					9
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168		8.709					9
119 2,3,4,6-Tetrachlorophenol	232		8.797					
117 2,3,5,6-Tetrachlorophenol	232		8.798					
118 1-Naphthylamine	143		8.803					
121 Diethyl phthalate	149		8.868					
120 2-Naphthylamine	143		8.874					
122 Thionazin	97		8.974					
123 4-Chlorophenyl phenyl ether	204		8.985					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166		8.997					9
125 4-Nitroaniline	138		8.997					
128 4,6-Dinitro-2-methylphenol	198		9.021					
124 N-Nitro-o-toluidine	152		9.033					9
129 N-Nitrosodiphenylamine	169		9.085					9
130 Diphenylamine	169		9.115					9
132 Azobenzene	77		9.120					
131 1,2-Diphenylhydrazine	77		9.120					9
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					
135 Diallate Peak 1	86		9.356					9
136 Phenacetin	108		9.362					
137 Phorate	121		9.367					
139 4-Bromophenyl phenyl ether	248		9.402					
138 Diallate Peak 2	86		9.438					9
141 Hexachlorobenzene	284		9.467					
140 Dimethoate	87		9.514					
142 Atrazine	200		9.520					
144 Pentachlorophenol	266		9.626					
143 4-Aminobiphenyl	169		9.661					9
146 Pentachloronitrobenzene	237		9.673					
145 Pronamide	173		9.691					
148 Dinoseb	211		9.802					
147 Disulfoton	88		9.808					9
149 Phenanthrene	178		9.820					9
150 Anthracene	178		9.867					9
152 Carbazole	167		9.990					9
153 Methyl parathion	109		10.131					
154 Diphenylsulfone	125		10.147					
155 Di-n-butyl phthalate	149		10.254					
156 Ethyl Parathion	97		10.454					
157 4-Nitroquinoline-1-oxide	190		10.507					
158 Methapyrilene	58		10.554					9
159 Isodrin	66		10.748					
160 Fluoranthene	202		10.836					9
161 Benzidine	184		10.936					9
162 Pyrene	202		11.054					9
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					9
163 Aramite Peak 1	185		11.171					
164 Aramite Peak 2	185		11.242					9
165 p-Dimethylamino azobenzene	225		11.353					9
166 Chlorobenzilate	139		11.389					
167 4,4'-DDD	235		11.447					
28 Ethyl methacrylate	69		11.477					9
170 Butyl benzyl phthalate	149		11.659					9
171 3,3'-Dimethylbenzidine	212		11.712					
172 4,4'-DDT	235		11.782					9
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232	12.381	12.319	0.062	1	20127	0	
177 3,3'-Dichlorobenzidine	252		12.323					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
175 Bis(2-ethylhexyl) phthalate	149	12.352	12.352	0.0	76	8229	0.1229	
179 Benzo[a]anthracene	228		12.376					9
176 4,4'-Methylene bis(2-chloroanili	231		12.382					
180 Chrysene	228		12.423					9
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149		13.280					9
184 Benzo[b]fluoranthene	252		13.909					9
185 Benzo[k]fluoranthene	252		13.950					9
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252		14.414					9
187 3-Methylcholanthrene	268		15.037					
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276		16.189					
191 Dibenz(a,h)anthracene	278		16.218					
192 Benzo[g,h,i]perylene	276		16.647					
S 193 Methyl Phenols,Total	100		0.000					7
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57		0.000					1
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	4.050	4.004	0.050	0	105	0	
T 200 Hexamethylphosphoramide TIC	135	7.270	7.206	0.070	1	455	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					1
T 19 2,3,7,8-TCDD	320		8.800					1
T 199 Octadecane (TIC)	254	9.690	9.605	0.090	1	377	0	
T 241 Triphenyl Phosphate TIC	326	12.693	12.261	0.443	0	56	0	
T 240 Tricresyl phosphate TIC	368		12.750					1
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.491	14.511	-0.009	0	246	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

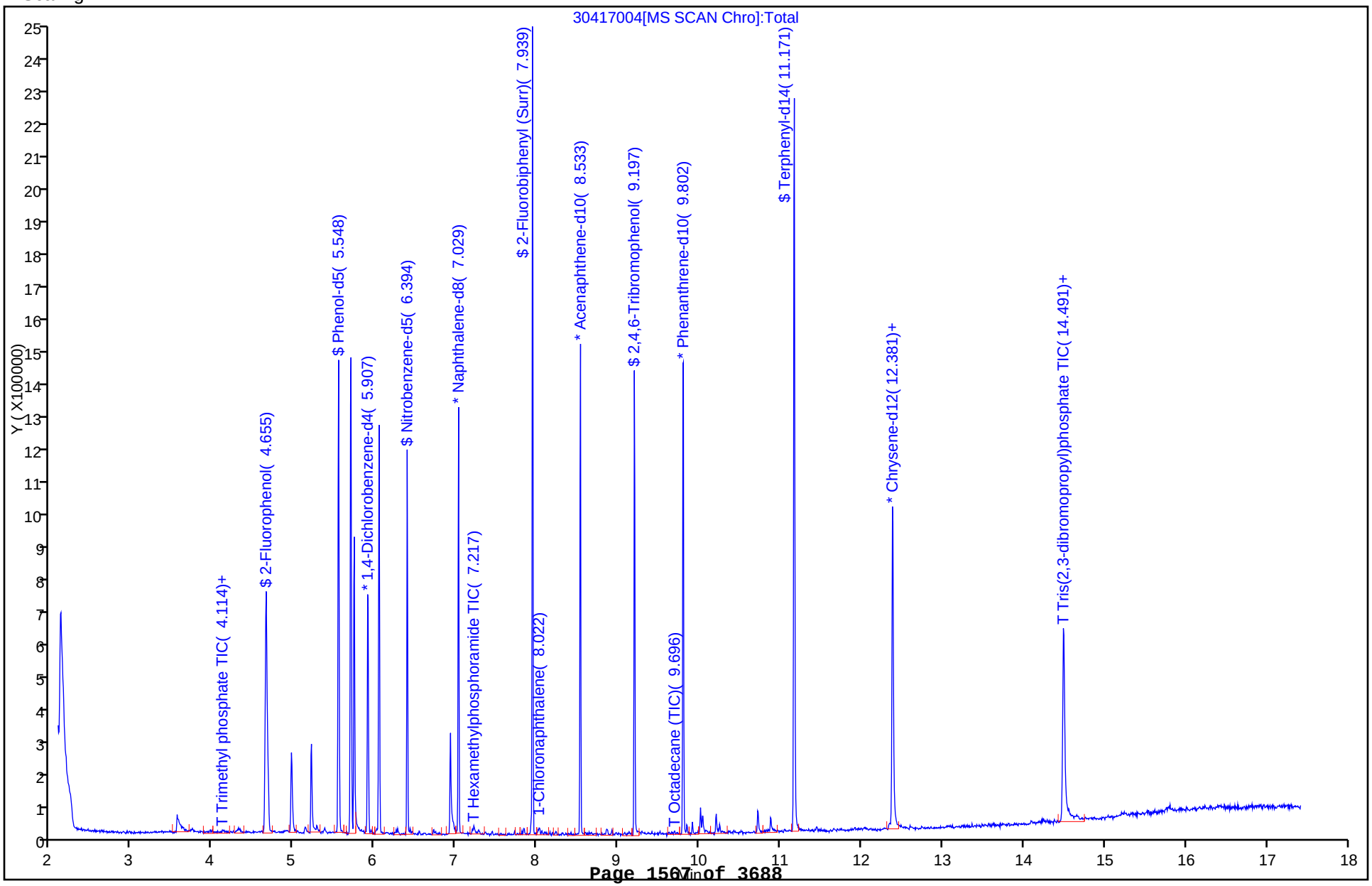
Report Date: 18-Apr-2013 13:47:25 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417004.D

Injection Date:	17-Apr-2013 11:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	4
Operator ID:	001710	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81948/23-A

Matrix: Solid | Lab File ID: 30422004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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	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	27	U	70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81948/23-A

Matrix: Solid | Lab File ID: 30422004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81948/23-A

Matrix: Solid | Lab File ID: 30422004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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)	60		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	59		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	68		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	62		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422004.D
Lims ID: MB 240-81948/23-A Client ID:
Inject. Date: 22-Apr-2013 10:27:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0019128-004
Misc. Info.: MB 240-81948/23-A =MB 240-81948/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82940 Lims Sample ID: 4
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 10:53:05

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	95	132888	4.00	
* 2 Naphthalene-d8	136	7.828	7.828	0.0	98	558528	4.00	
* 3 Acenaphthene-d10	164	9.335	9.335	0.0	77	335005	4.00	
* 4 Phenanthrene-d10	188	10.606	10.606	0.0	97	535680	4.00	
* 5 Chrysene-d12	240	12.973	12.978	-0.005	80	617716	4.00	
* 6 Perylene-d12	264	15.014	15.019	-0.005	97	513152	4.00	
$ 7 2-Fluorophenol	112	5.531	5.510	0.021	93	534600	9.90	
$ 8 Phenol-d5	99	6.349	6.343	0.006	92	732095	10.1	
$ 9 Nitrobenzene-d5	82	7.187	7.187	0.0	87	482965	5.86	
$ 10 2-Fluorobiphenyl (Surr)	172	8.721	8.721	0.0	99	594051	5.96	
$ 11 2,4,6-Tribromophenol	330	10.003	10.003	0.0	82	101061	9.34	
$ 12 Terphenyl-d14	244	11.921	11.921	0.0	98	747311	6.75	
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					
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		3.939					
27 Pyridine	79		4.003					
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					9
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					
43 Phenol	94		6.354					9
44 Aniline	93		6.413					
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					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.530					
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146		6.675					
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146		6.733					
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
49 Benzyl alcohol	108		6.808					9
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146		6.872					
230 Diallate Peak 2	86		6.882					9
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
52 Indene	115		6.947					9
140 Dimethoate	87		6.962					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					
58 Acetophenone	105		7.043					9
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.177					9
62 Nitrobenzene	77		7.203					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					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					9
70 Bis(2-chloroethoxy)methane	93		7.551					
152 Methyl parathion	109		7.566					
153 Diphenylsulfone	125		7.631					
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					
155 Ethyl Parathion	97		7.892					
156 4-Nitroquinoline-1-oxide	190		7.934					
79 Hexachlorobutadiene	225		7.941					
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.144					
158 Isodrin	66		8.164					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					
88 1-Methylnaphthalene	142		8.523					
226 Aramite Peak 1	185		8.565					
89 Hexachlorocyclopentadiene	237		8.571					
91 1,2,4,5-Tetrachlorobenzene	216		8.576					
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		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.817					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.030					
106 1,3-Dinitrobenzene	168		9.073					
107 2,6-Dinitrotoluene	165		9.095					
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					
119 2,3,4,6-Tetrachlorophenol	232		9.597					
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					
179 6-Methylchrysene	242		9.890					
132 1,2-Diphenylhydrazine	77		9.901					9
133 Azobenzene	77		9.901					9
139 4-Bromophenyl phenyl ether	248		10.184					
142 Atrazine	200		10.270					
141 Hexachlorobenzene	284		10.286					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					
149 Anthracene	178		10.670					
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.648					
160 Benzidine	184		11.707					9
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.851					9
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		12.294					9
170 4,4'-DDT	235		12.442					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 Bis(2-ethylhexyl) phthalate	149	12.807	12.813	-0.006	85	13538	0.1627	
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					
S 245 Total Cresols	100		0.000					
S 191 Methyl Phenols,Total	100		0.000					7
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					1
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					1
T 231 2,3,7,8-TCDD	322		9.600					1
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

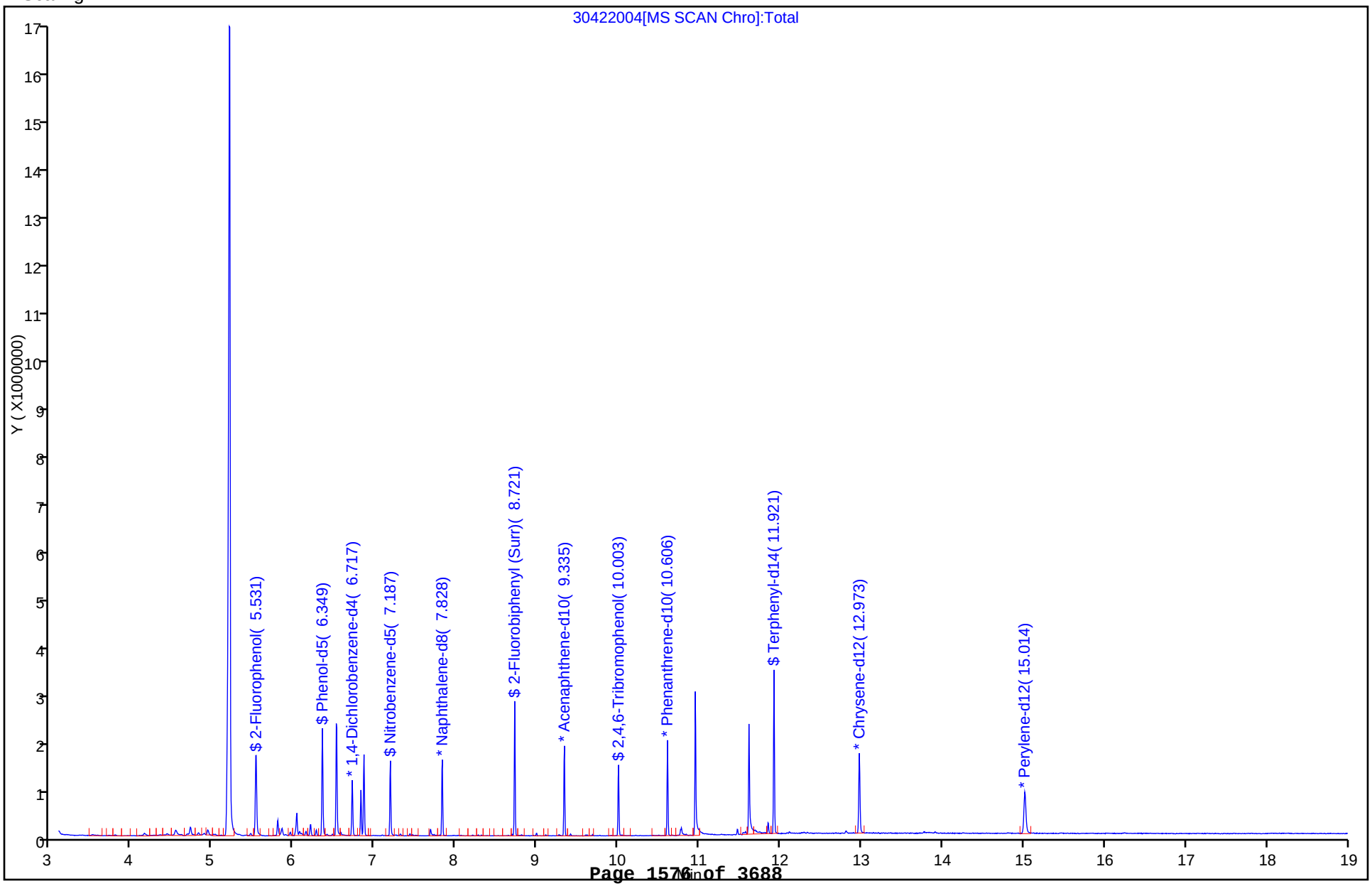
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 13:29:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422004.D		
Injection Date:	22-Apr-2013 10:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	4
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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-83486/23-A

Matrix: Solid | Lab File ID: 30428006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 16:55

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.: 83882 | 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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-83486/23-A

Matrix: Solid | Lab File ID: 30428006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 16:55

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.: 83882 | 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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-83486/23-A

Matrix: Solid | Lab File ID: 30428006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 16:55

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.: 83882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67		35-100
4165-62-2	Phenol-d5 (Surr)	77		40-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	60		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428006.D
Lims ID: MB 240-83486/23-A Client ID:
Inject. Date: 28-Apr-2013 16:55:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0019340-006
Misc. Info.: MB 240-83486/23-A =MB 240-83486/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 83882 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 09:43:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.0	94	172637	4.00	
* 2 Naphthalene-d8	136	7.753	7.758	-0.005	99	722056	4.00	
* 3 Acenaphthene-d10	164	9.253	9.258	-0.005	85	379949	4.00	
* 4 Phenanthrene-d10	188	10.523	10.528	-0.005	95	641005	4.00	
* 5 Chrysene-d12	240	12.860	12.865	-0.005	80	756945	4.00	
* 6 Perylene-d12	264	14.831	14.837	-0.006	97	640599	4.00	
$ 7 2-Fluorophenol	112	5.425	5.406	0.019	95	747154	10.7	
$ 8 Phenol-d5	99	6.276	6.272	0.004	94	1081693	11.5	
$ 9 Nitrobenzene-d5	82	7.118	7.118	0.0	86	710246	6.67	
$ 10 2-Fluorobiphenyl (Surr)	172	8.647	8.648	-0.001	99	793855	7.02	
$ 11 2,4,6-Tribromophenol	330	9.921	9.927	-0.006	81	109750	8.94	
$ 12 Terphenyl-d14	244	11.835	11.836	-0.001	98	896988	6.61	
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
247 Hexadecane	57		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88		2.877					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					
26 N-Nitrosodimethylamine	74		3.560					
42 Phenylmercaptan	110		3.596					
27 Pyridine	79		3.632					9
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					9
32 N-Nitrosomethylethylamine	88		4.844					9
14 4-Methylcatechol	124		5.036					9
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					9
96 3,4-Dichloronitrobenzene	109		5.467					9
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					9
41 Benzaldehyde	77		6.248					9
43 Phenol	94		6.286					9
44 Aniline	93		6.339					
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93		6.373					9
127 Tributyl phosphate	99		6.434					9
46 2-Chlorophenol	128		6.460					9
47 1,3-Dichlorobenzene	146		6.599					9
48 1,4-Dichlorobenzene	146		6.657					9
49 Benzyl alcohol	108		6.739					9
50 1,2-Dichlorobenzene	146		6.801					
51 2-Methylphenol	108		6.825					9
53 2,2'-oxybis[1-chloropropane]	45		6.849					9
52 Indene	115		6.878					9
56 N-Nitrosopyrrolidine	100		6.912					
59 N-Nitrosomorpholine	56		6.940					9
21 3 & 4 Methylphenol	108		6.950					
57 N-Nitrosodi-n-propylamine	70		6.960					9
60 2-Toluidine	106		6.979					
58 Acetophenone	105		6.979					9
61 Hexachloroethane	117		7.109					9
62 Nitrobenzene	77		7.133					9
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82		7.330					9
65 2,4-Dimethylphenol	107		7.412					
66 2-Nitrophenol	139		7.412					
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122		7.460					9
70 Bis(2-chloroethoxy)methane	93		7.484					
72 alpha,alpha-Dimethyl phenethylam	58		7.566					9
73 2,4-Dichlorophenol	162		7.614					
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180		7.700					
75 Naphthalene	128		7.772					9
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127		7.787					9
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225		7.869					
118 2,3,5,6-Tetrachlorophenol	232		7.920					
82 Quinoline	129		8.018					
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					9
84 Caprolactam	113		8.071					
86 4-Chloro-3-methylphenol	107		8.176					9
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142		8.359					9
88 1-Methylnaphthalene	142		8.446					9
225 Isosafrole Peak 1	162		8.470					9
89 Hexachlorocyclopentadiene	237		8.499					
91 1,2,4,5-Tetrachlorobenzene	216		8.503					
92 2,4,6-Trichlorophenol	196		8.585					
93 2,4,5-Trichlorophenol	196		8.624					
227 Isosafrole Peak 2	162		8.662					9
98 1,1'-Biphenyl	154		8.744					
246 1-Chloronaphthalene	162		8.777					9
100 2-Chloronaphthalene	162		8.777					9
102 2-Nitroaniline	65		8.835					
103 1,4-Naphthoquinone	158		8.878					
104 1,4-Dinitrobenzene	168		8.902					
105 Dimethyl phthalate	163		8.960					
106 1,3-Dinitrobenzene	168		8.999					
107 2,6-Dinitrotoluene	165		9.023					
109 Acenaphthylene	152		9.138					
110 3-Nitroaniline	138		9.177					
111 2,4-Dinitrophenol	184		9.263					
112 Acenaphthene	153		9.287					9
113 4-Nitrophenol	109		9.287					9
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165		9.374					
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168		9.427					9
117 1-Naphthylamine	143		9.455					
120 2-Naphthylamine	143		9.518					
119 2,3,4,6-Tetrachlorophenol	232		9.523					
121 Diethyl phthalate	149		9.547					9
122 Thionazin	97		9.595					
124 N-Nitro-o-toluidine	152		9.667					9
123 4-Chlorophenyl phenyl ether	204		9.686					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138		9.701					
126 Fluorene	166		9.720					9
128 4,6-Dinitro-2-methylphenol	198		9.725					
130 Diphenylamine	169		9.754					
131 N-Nitrosodiphenylamine	169		9.782					
132 1,2-Diphenylhydrazine	77		9.821					9
133 Azobenzene	77		9.821					
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					
137 Phenacetin	108		9.975					
228 Diallate Peak 1	86		9.984					
138 Phorate	121		9.994					
230 Diallate Peak 2	86		10.066					
139 4-Bromophenyl phenyl ether	248		10.109					
140 Dimethoate	87		10.138					
142 Atrazine	200		10.196					
141 Hexachlorobenzene	284		10.206					
129 4-Aminobiphenyl	169		10.297					
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					
143 Pentachlorophenol	266		10.355					9
146 Disulfoton	88		10.432					
147 Dinoseb	211		10.441					
148 Phenanthrene	178		10.547					9
149 Anthracene	178		10.590					9
151 Carbazole	167		10.701					
152 Methyl parathion	109		10.759					9
154 Di-n-butyl phthalate	149	10.917	10.922	-0.005	82	9100	0.3670	
155 Ethyl Parathion	97		11.076					9
156 4-Nitroquinoline-1-oxide	190		11.153					
157 Methapyrilene	58		11.177					
158 Isodrin	66		11.417					
159 Fluoranthene	202		11.567					9
160 Benzidine	184		11.624					
226 Aramite Peak 1	185		11.740					
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					9
161 Pyrene	202		11.769					9
229 Aramite Peak 2	185		11.802					
163 p-Dimethylamino azobenzene	225		11.922					9
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					9
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					
168 Butyl benzyl phthalate	149		12.206					9
170 4,4'-DDT	235		12.344					9
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.711	12.711	0.0	93	17143	0.1681	
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252		12.769					
177 Benzo[a]anthracene	228		12.851					9
178 Chrysene	228		12.894					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149		13.428					9
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252		14.211					
183 Benzo[k]fluoranthene	252		14.250					
184 Benzo[a]pyrene	252		14.745					9
185 3-Methylcholanthrene	268		15.269					
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278		17.025					
188 Indeno[1,2,3-cd]pyrene	276		17.025					
190 Benzo[g,h,i]perylene	276		17.703					
S 245 Total Cresols	100		0.000					
S 191 Methyl Phenols,Total	100		0.000					7
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 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

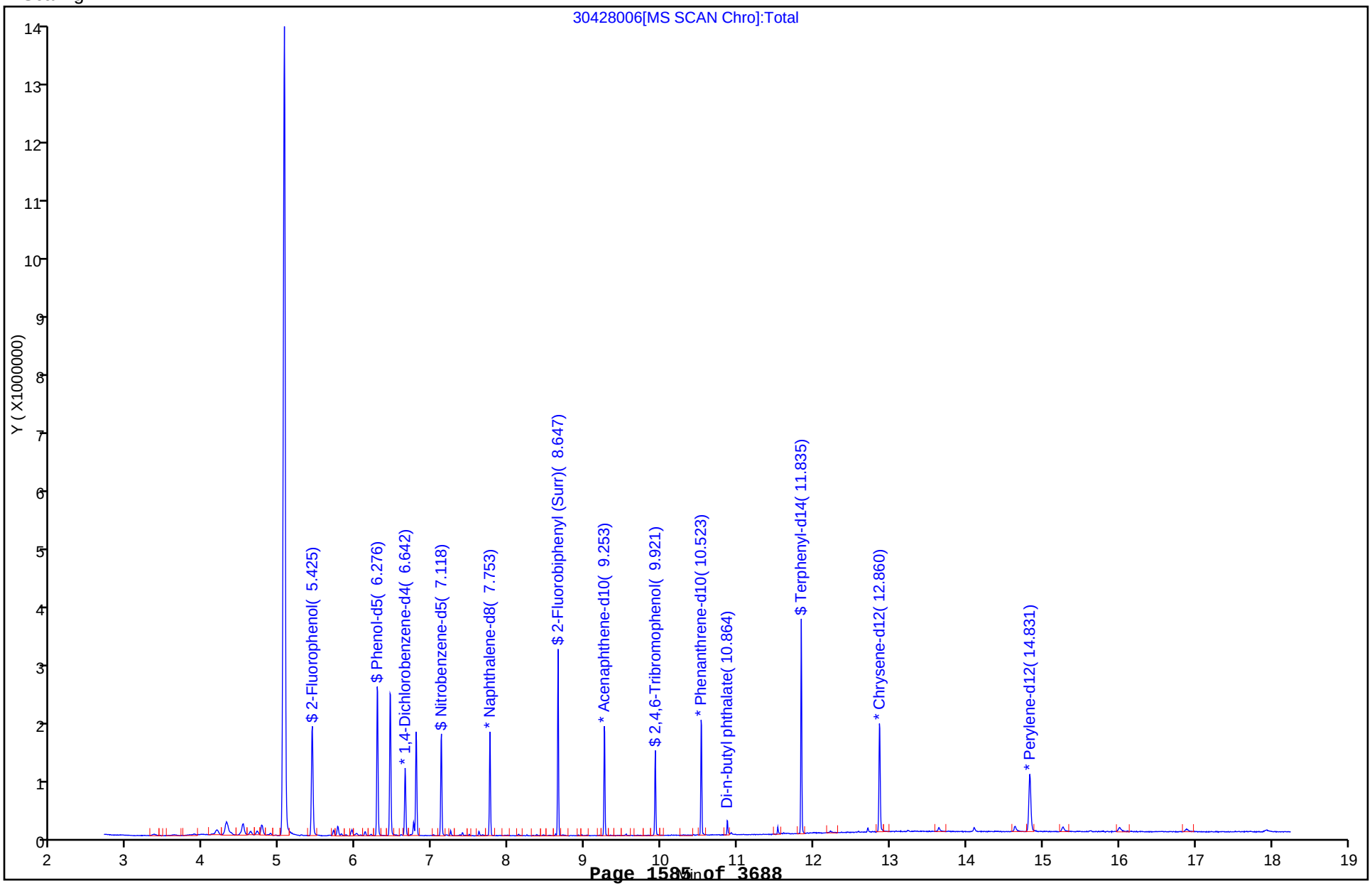
Report Date: 29-Apr-2013 10:48:23 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428006.D

Injection Date:	28-Apr-2013 16:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



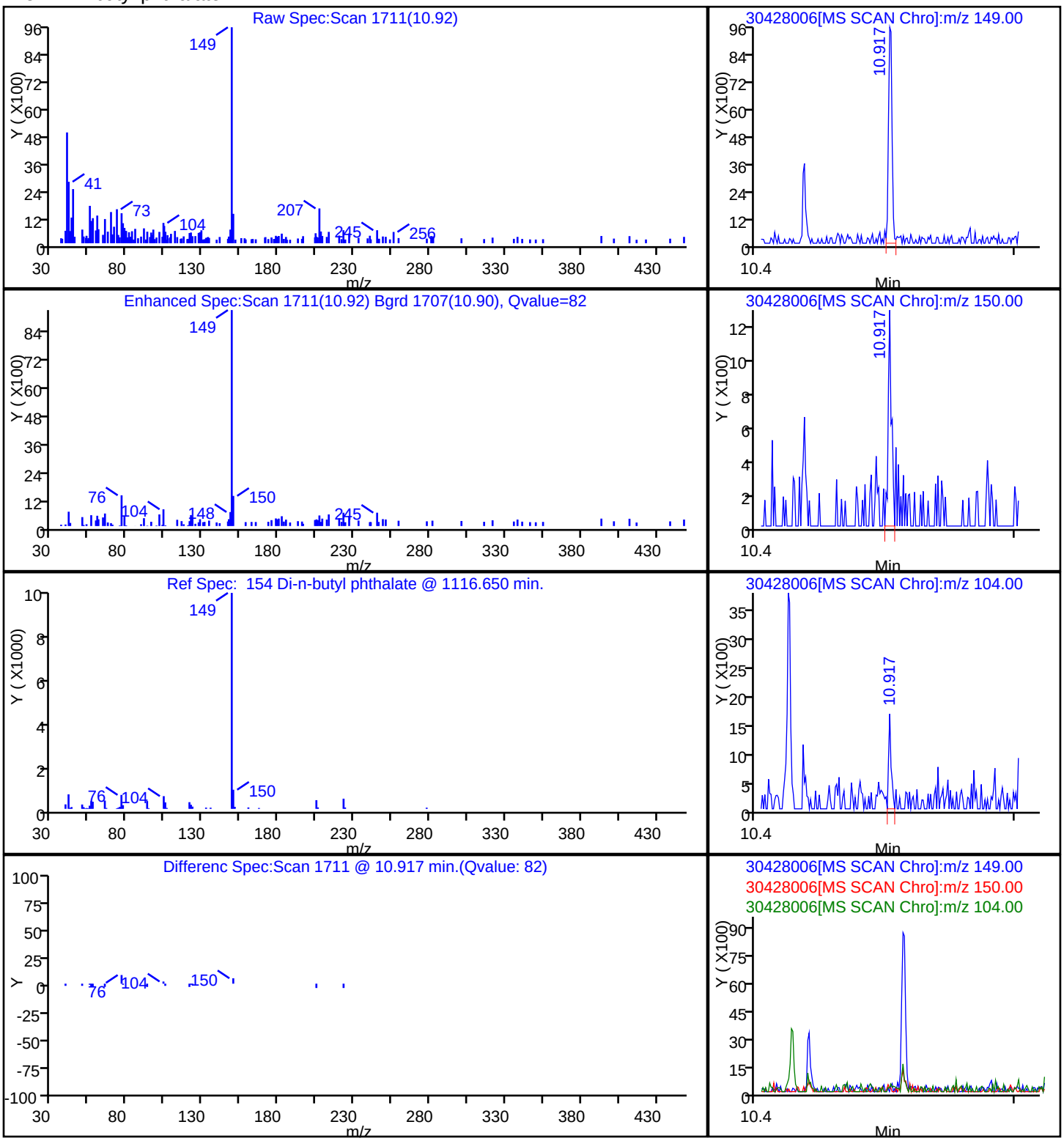
Report Date: 29-Apr-2013 10:48:23 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428006.D

Injection Date:	28-Apr-2013 16:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	6
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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81130/23-A

Matrix: Water | Lab File ID: 30417005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17.7		0.20	0.10	0.10
208-96-8	Acenaphthylene	18.5		0.20	0.10	0.10
120-12-7	Anthracene	19.1		0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	17.4		0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	12.9		0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	14.0		0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	13.8		0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	17.0		0.20	0.10	0.10
100-51-6	Benzyl alcohol	17.7		5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	18.2		1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	17.3		1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	16.7		1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	13.7		2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	20.2		2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	18.4		2.0	0.80	0.80
86-74-8	Carbazole	19.7		1.0	0.80	0.28
106-47-8	4-Chloroaniline	16.0		2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	18.8		2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	17.2		1.0	0.10	0.10
95-57-8	2-Chlorophenol	18.0		1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	19.2		2.0	0.80	0.30
218-01-9	Chrysene	18.7		0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	12.2		0.20	0.10	0.10
132-64-9	Dibenzofuran	19.1		1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	15.4		1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	14.8		1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	15.1		1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	10.9		5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	18.4		2.0	0.80	0.80
84-66-2	Diethyl phthalate	18.7		2.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	14.9		2.0	0.80	0.80
131-11-3	Dimethyl phthalate	19.4		2.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	19.0		2.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81130/23-A

Matrix: Water | Lab File ID: 30417005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	16.6		5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	14.8		5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	18.1		5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	19.7		5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	10.7		2.0	0.80	0.80
206-44-0	Fluoranthene	20.0		0.20	0.10	0.10
86-73-7	Fluorene	19.2		0.20	0.10	0.10
118-74-1	Hexachlorobenzene	18.9		0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	14.3		1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	3.08	J	10	0.80	0.80
67-72-1	Hexachloroethane	13.7		1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	12.8		0.20	0.10	0.10
78-59-1	Isophorone	17.4		1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	16.5		0.20	0.10	0.10
95-48-7	2-Methylphenol	18.2		1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	36.4		2.0	0.80	0.80
91-20-3	Naphthalene	16.8		0.20	0.10	0.10
88-74-4	2-Nitroaniline	19.5		2.0	0.80	0.80
99-09-2	3-Nitroaniline	17.3		2.0	0.80	0.28
100-01-6	4-Nitroaniline	20.3		2.0	0.80	0.80
98-95-3	Nitrobenzene	18.1		1.0	0.10	0.040
88-75-5	2-Nitrophenol	18.5		2.0	0.80	0.28
100-02-7	4-Nitrophenol	17.6		5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	16.4		1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	18.2		1.0	0.80	0.31
87-86-5	Pentachlorophenol	18.5		5.0	2.4	2.4
85-01-8	Phenanthrene	19.4		0.20	0.10	0.10
108-95-2	Phenol	18.0		1.0	0.80	0.60
129-00-0	Pyrene	19.8		0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	15.7		1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	20.1		5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	19.8		5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81130/23-A

Matrix: Water | Lab File ID: 30417005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/09/2013 10:13

Sample wt/vol: 1000(mL) | Date Analyzed: 04/17/2013 11:36

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	79		50-110
367-12-4	2-Fluorophenol (Surr)	85		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	80		40-110
4165-62-2	Phenol-d5 (Surr)	83		10-115
1718-51-0	Terphenyl-d14 (Surr)	63		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	93		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417005.D
Lims ID: LCS 240-81130/23-A Client ID:
Inject. Date: 17-Apr-2013 11:36:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018951-005
Misc. Info.: LCS 240-81130/23-A
Operator: 001710 Instrument ID: A4HP10
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82293 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:47:22 Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj Date: 17-Apr-2013 12:36:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	98	117145	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	100	442454	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	89	272107	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	505367	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	76	549673	4.00	
* 6 Perylene-d12	264	14.496	14.497	-0.001	84	439574	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	93	430928	12.7	
$ 8 Phenol-d5	99	5.548	5.548	0.0	96	565591	12.5	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	89	331682	8.02	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	98	692592	7.89	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	89	138992	14.0	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	98	680718	6.29	
25 1,4-Dioxane	88	2.475	2.469	0.006	85	116469	7.18	M
26 N-Nitrosodimethylamine	74	2.939	2.939	0.0	90	168081	8.61	
27 Pyridine	79	2.998	2.986	0.012	78	41090	1.13	
30 2-Picoline	93	4.026	4.091	-0.065	88	20858	0.5208	
37 Ethyl methanesulfonate	79	5.190	5.237	-0.047	97	218294	7.43	
41 Benzaldehyde	77	5.513	5.513	0.0	88	272909	8.56	
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	98	400951	9.02	
44 Aniline	93	5.607	5.607	0.0	94	270347	4.94	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	94	298002	8.67	
47 2-Chlorophenol	128	5.712	5.713	-0.001	96	322033	8.99	
48 1,3-Dichlorobenzene	146	5.859	5.860	-0.001	96	286152	7.39	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	92	297572	7.53	
50 Benzyl alcohol	108	6.018	6.018	0.0	90	200870	8.83	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	93	289597	7.68	
52 2-Methylphenol	108	6.106	6.106	0.0	98	294671	9.11	
54 2,2'-oxybis[1-chloropropane]	45	6.141	6.142	-0.001	90	437867	8.33	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	95	613364	18.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	91	197438	8.18	
58 Acetophenone	105	6.259	6.259	0.0	76	437200	8.70	
61 Hexachloroethane	117	6.365	6.365	0.0	94	104463	6.84	
62 Nitrobenzene	77	6.412	6.412	0.0	85	340946	9.06	
64 Isophorone	82	6.617	6.617	0.0	97	588281	8.71	
66 2-Nitrophenol	139	6.688	6.694	-0.006	96	166439	9.27	
65 2,4-Dimethylphenol	107	6.705	6.706	-0.001	90	256221	7.44	
70 Benzoic acid	122	6.735	6.764	-0.029	85	74654	4.58	
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	98	362302	9.11	
72 2,4-Dichlorophenol	162	6.893	6.894	-0.001	93	260753	9.21	
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	89	260908	7.87	
74 Naphthalene	128	7.046	7.046	0.0	98	860861	8.39	
75 4-Chloroaniline	127	7.081	7.082	-0.001	83	342556	8.01	
78 Hexachlorobutadiene	225	7.146	7.146	0.0	90	145499	7.17	
81 Quinoline	129	7.334	7.364	-0.030	94	599265	8.80	
83 Caprolactam	113	7.358	7.370	-0.012	75	90683	9.35	
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	96	284029	9.39	
86 Safrole, Total	162	7.552	7.587	-0.035	89	237042	8.47	
87 2-Methylnaphthalene	142	7.640	7.640	0.0	85	568827	8.24	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	79	534903	8.26	
89 Hexachlorocyclopentadiene	237	7.769	7.769	0.0	89	33214	1.54	
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	90	222536	9.91	
94 2,4,5-Trichlorophenol	196	7.898	7.904	-0.006	95	233452	10.0	
98 1,1'-Biphenyl	154	8.027	8.033	-0.006	97	764192	8.69	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	95	576156	8.61	
102 2-Nitroaniline	65	8.127	8.133	-0.006	78	200506	9.74	
105 Dimethyl phthalate	163	8.274	8.274	0.0	98	739445	9.72	
104 1,4-Dinitrobenzene	168	8.245	8.280	-0.035	93	104966	8.46	
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	84	121859	9.66	
107 2,6-Dinitrotoluene	165	8.327	8.333	-0.006	87	163851	9.86	
109 Acenaphthylene	152	8.415	8.415	0.0	89	986413	9.25	
110 3-Nitroaniline	138	8.474	8.480	-0.006	93	173236	8.67	
112 Acenaphthene	153	8.562	8.562	0.0	95	656105	8.86	
111 2,4-Dinitrophenol	184	8.562	8.568	-0.006	65	75261	7.41	
113 4-Nitrophenol	109	8.591	8.598	-0.007	92	96290	8.78	
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	88	222407	9.07	
116 Dibenzofuran	168	8.703	8.709	-0.006	85	954527	9.56	
119 2,3,4,6-Tetrachlorophenol	232	8.797	8.797	0.0	72	207886	10.2	
117 2,3,5,6-Tetrachlorophenol	232	8.762	8.798	-0.036	88	201996	8.72	
121 Diethyl phthalate	149	8.868	8.868	0.0	97	734826	9.35	
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	88	410548	9.61	
126 Fluorene	166	8.997	8.997	0.0	82	779542	9.60	
125 4-Nitroaniline	138	8.997	8.997	0.0	59	188941	10.1	
128 4,6-Dinitro-2-methylphenol	198	9.020	9.021	-0.001	86	133783	8.32	
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	96	543676	9.10	
132 Azobenzene	77	9.120	9.120	0.0	99	741656	9.23	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	95	741394	9.23	
136 Phenacetin	108	9.320	9.362	-0.042	93	357571	9.31	
137 Phorate	121	9.326	9.367	-0.041	90	121109	8.26	
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	60	227147	10.1	
141 Hexachlorobenzene	284	9.467	9.467	0.0	89	215671	9.44	
142 Atrazine	200	9.514	9.520	-0.006	94	230378	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
144 Pentachlorophenol	266	9.626	9.626	0.0	89	147582	9.26	
145 Pronamide	173	9.649	9.691	-0.042	84	341786	9.90	
149 Phenanthrene	178	9.819	9.820	-0.001	97	1139190	9.72	
150 Anthracene	178	9.866	9.867	-0.001	97	1112675	9.55	
152 Carbazole	167	9.990	9.990	0.0	83	1058015	9.85	
155 Di-n-butyl phthalate	149	10.254	10.254	0.0	100	1246551	9.49	
160 Fluoranthene	202	10.836	10.836	0.0	98	1381218	10.0	
162 Pyrene	202	11.053	11.054	-0.001	95	1407527	9.92	
166 Chlorobenzilate	139	11.341	11.389	-0.048	95	327624	8.23	
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	98	496753	9.19	
177 3,3'-Dichlorobenzidine	252	12.317	12.323	-0.006	66	243877	5.44	
175 Bis(2-ethylhexyl) phthalate	149	12.346	12.352	-0.006	96	522407	6.87	
179 Benzo[a]anthracene	228	12.369	12.376	-0.007	97	1192049	8.72	
180 Chrysene	228	12.422	12.423	-0.001	92	1172791	9.34	
182 Di-n-octyl phthalate	149	13.274	13.280	-0.006	99	699553	5.33	
184 Benzo[b]fluoranthene	252	13.903	13.909	-0.006	95	826661	7.01	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	90	1091553	8.51	
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	75	705769	6.44	
190 Indeno[1,2,3-cd]pyrene	276	16.183	16.189	-0.006	93	768014	6.39	
191 Dibenz(a,h)anthracene	278	16.212	16.218	-0.006	78	612025	6.11	
192 Benzo[g,h,i]perylene	276	16.641	16.647	-0.006	88	706780	6.89	

QC Flag Legend

Review Flags
M - Manually Integrated

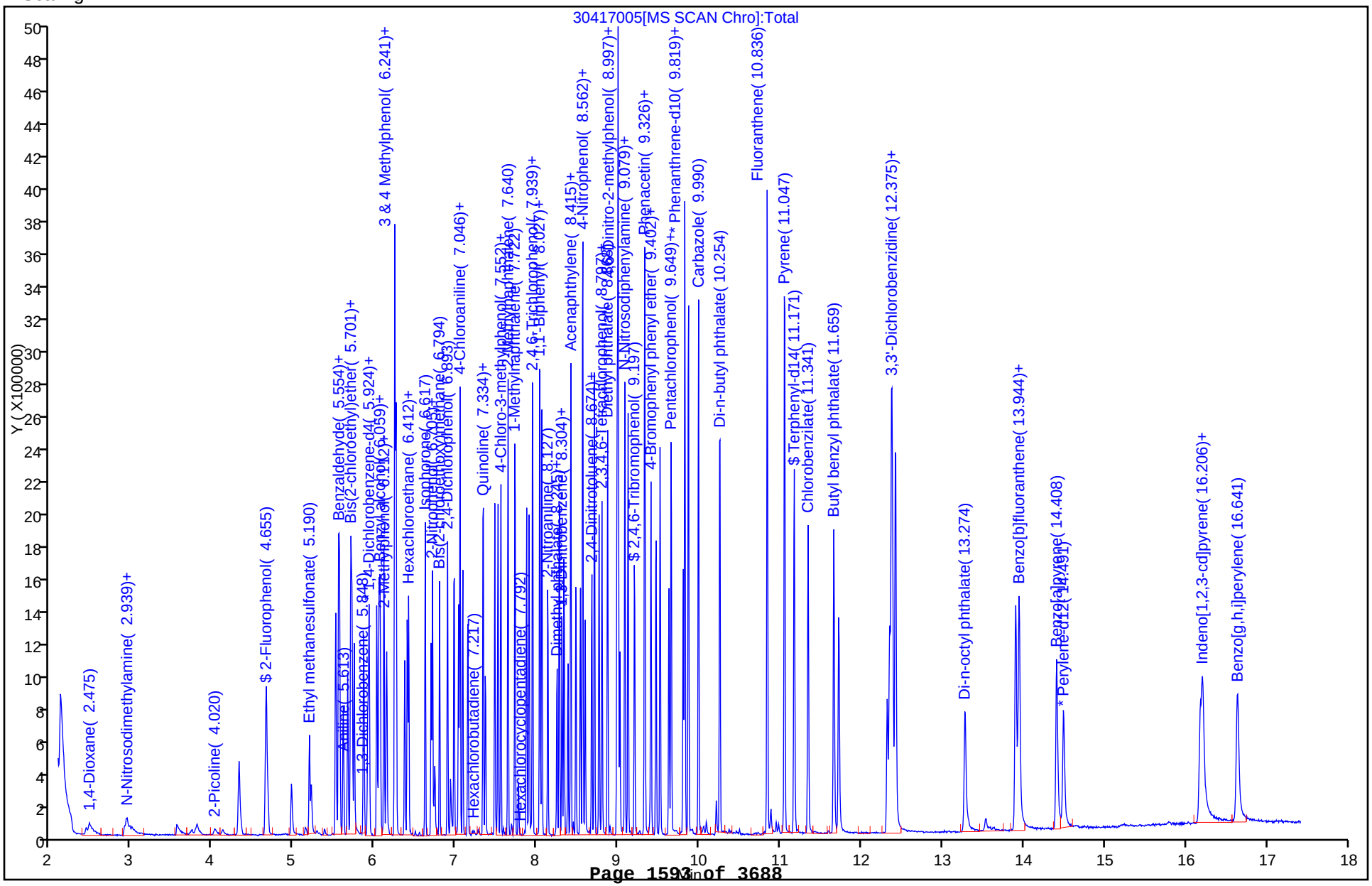
Report Date: 18-Apr-2013 13:47:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417005.D

Injection Date:	17-Apr-2013 11:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	5
Operator ID:	001710	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81948/24-A

Matrix: Solid | Lab File ID: 30422005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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	546		6.7	3.3	3.3
208-96-8	Acenaphthylene	546		6.7	3.3	3.3
120-12-7	Anthracene	569		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	557		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	497		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	530		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	531		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	534		6.7	3.3	3.3
100-51-6	Benzyl alcohol	484		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	538		100	27	22
111-44-4	Bis(2-chloroethyl)ether	533		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	556		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	657		70	27	19
101-55-3	4-Bromophenyl phenyl ether	558		50	27	13
85-68-7	Butyl benzyl phthalate	596		70	27	10
86-74-8	Carbazole	550		50	27	27
106-47-8	4-Chloroaniline	415		150	27	17
59-50-7	4-Chloro-3-methylphenol	507		150	27	21
91-58-7	2-Chloronaphthalene	559		50	3.3	3.3
95-57-8	2-Chlorophenol	577		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	587		50	27	13
218-01-9	Chrysene	593		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	546		6.7	3.3	3.3
132-64-9	Dibenzofuran	564		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	545		50	27	9.7
541-73-1	1,3-Dichlorobenzene	534		50	27	11
106-46-7	1,4-Dichlorobenzene	538		50	27	20
91-94-1	3,3'-Dichlorobenzidine	377		100	80	18
120-83-2	2,4-Dichlorophenol	517		150	27	20
84-66-2	Diethyl phthalate	626		70	27	16
105-67-9	2,4-Dimethylphenol	488		150	80	20
131-11-3	Dimethyl phthalate	617		70	27	17
84-74-2	Di-n-butyl phthalate	584		70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81948/24-A

Matrix: Solid | Lab File ID: 30422005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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	490		150	80	80
51-28-5	2,4-Dinitrophenol	487		330	80	80
121-14-2	2,4-Dinitrotoluene	682		200	27	27
606-20-2	2,6-Dinitrotoluene	627		200	27	21
117-84-0	Di-n-octyl phthalate	479		70	27	27
206-44-0	Fluoranthene	597		6.7	3.3	3.3
86-73-7	Fluorene	593		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	566		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	536		50	27	27
77-47-4	Hexachlorocyclopentadiene	512		330	27	27
67-72-1	Hexachloroethane	534		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	506		6.7	3.3	3.3
78-59-1	Isophorone	514		50	27	13
91-57-6	2-Methylnaphthalene	510		6.7	3.3	3.3
95-48-7	2-Methylphenol	563		200	80	80
15831-10-4	3 & 4 Methylphenol	1150		400	80	20
91-20-3	Naphthalene	526		6.7	3.3	3.3
88-74-4	2-Nitroaniline	633		200	27	9.1
99-09-2	3-Nitroaniline	566		200	80	16
100-01-6	4-Nitroaniline	575		200	27	26
98-95-3	Nitrobenzene	548		100	3.3	2.2
88-75-5	2-Nitrophenol	562		50	27	27
100-02-7	4-Nitrophenol	695		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	552		50	27	27
86-30-6	N-Nitrosodiphenylamine	558		50	27	21
87-86-5	Pentachlorophenol	432		150	80	80
85-01-8	Phenanthrene	553		6.7	3.3	3.3
108-95-2	Phenol	568		50	27	27
129-00-0	Pyrene	632		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	532		50	27	27
95-95-4	2,4,5-Trichlorophenol	524		150	27	25
88-06-2	2,4,6-Trichlorophenol	446		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81948/24-A

Matrix: Solid | Lab File ID: 30422005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/15/2013 11:33

Sample wt/vol: 30.00(g) | Date Analyzed: 04/22/2013 10:53

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

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)	76		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	67		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\30422005.D
Lims ID: LCS 240-81948/24-A Client ID:
Inject. Date: 22-Apr-2013 10:53:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0019128-005
Misc. Info.: LCS 240-81948/24-A =LCS 240-81948/24-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82940 Lims Sample ID: 5
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 11:21:20

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	86	138323	4.00	
* 2 Naphthalene-d8	136	7.827	7.828	-0.001	99	591142	4.00	
* 3 Acenaphthene-d10	164	9.333	9.335	-0.002	78	300213	4.00	
* 4 Phenanthrene-d10	188	10.605	10.606	-0.001	96	531629	4.00	
* 5 Chrysene-d12	240	12.971	12.978	-0.007	78	686824	4.00	
* 6 Perylene-d12	264	15.012	15.019	-0.007	85	598727	4.00	
$ 7 2-Fluorophenol	112	5.530	5.510	0.020	94	646772	11.5	
$ 8 Phenol-d5	99	6.347	6.343	0.004	88	915677	12.1	
$ 9 Nitrobenzene-d5	82	7.186	7.187	-0.001	85	651011	7.47	
$ 10 2-Fluorobiphenyl (Surr)	172	8.719	8.721	-0.002	99	674795	7.55	
$ 11 2,4,6-Tribromophenol	330	10.001	10.003	-0.002	85	90979	9.38	
$ 12 Terphenyl-d14	244	11.919	11.921	-0.002	99	820546	6.67	
31 2-Picoline	93		2.224					
37 Ethyl methanesulfonate	79		2.961					
25 1,4-Dioxane	88	3.473	3.469	0.004	89	136292	4.83	M
26 N-Nitrosodimethylamine	74	3.943	3.939	0.004	84	357774	7.68	
27 Pyridine	79	4.007	4.003	0.004	93	454237	5.84	
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	6.326	6.322	0.004	87	473714	7.87	
43 Phenol	94	6.363	6.354	0.009	92	662091	8.52	
44 Aniline	93	6.417	6.413	0.004	96	504847	5.03	
69 Bis(2-chloroethyl)ether	93	6.443	6.445	-0.002	94	556680	8.00	
46 2-Chlorophenol	128	6.540	6.530	0.010	90	386543	8.66	
47 1,3-Dichlorobenzene	146	6.673	6.675	-0.002	78	374687	8.00	
48 1,4-Dichlorobenzene	146	6.732	6.733	-0.001	84	388691	8.07	
49 Benzyl alcohol	108	6.807	6.808	-0.001	84	252965	7.26	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					
50 1,2-Dichlorobenzene	146	6.876	6.872	0.004	82	366026	8.18	
51 2-Methylphenol	108	6.892	6.888	0.004	84	416993	8.45	
53 2,2'-oxybis[1-chloropropane]	45	6.919	6.920	-0.001	96	543521	8.34	
21 3 & 4 Methylphenol	108	7.015	7.011	0.004	95	882644	17.2	
57 N-Nitrosodi-n-propylamine	70	7.026	7.027	-0.001	76	434700	8.28	
58 Acetophenone	105	7.047	7.043	0.004	69	662643	8.07	
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.181	7.177	0.004	83	183060	8.01	
62 Nitrobenzene	77	7.202	7.203	-0.001	76	648936	8.22	
64 Isophorone	82	7.400	7.401	-0.001	96	1008198	7.72	
65 2,4-Dimethylphenol	107	7.474	7.476	-0.002	93	405843	7.32	
66 2-Nitrophenol	139	7.480	7.481	-0.001	82	197566	8.42	
71 Benzoic acid	122	7.517	7.529	-0.012	1	13556	1.86	
70 Bis(2-chloroethoxy)methane	93	7.549	7.551	-0.002	97	610658	8.07	
73 2,4-Dichlorophenol	162	7.683	7.684	-0.001	91	281156	7.75	
74 1,2,4-Trichlorobenzene	180	7.768	7.770	-0.002	84	331678	7.98	
75 Naphthalene	128	7.843	7.844	-0.001	98	1128075	7.89	
76 4-Chloroaniline	127	7.859	7.861	-0.001	70	468316	6.23	
79 Hexachlorobutadiene	225	7.939	7.941	-0.002	91	197819	8.04	
84 Caprolactam	113	8.126	8.144	-0.018	79	133694	8.31	
86 4-Chloro-3-methylphenol	107	8.244	8.245	-0.001	82	376008	7.61	
87 2-Methylnaphthalene	142	8.431	8.432	-0.001	86	688964	7.64	
88 1-Methylnaphthalene	142	8.521	8.523	-0.002	76	635309	7.54	
89 Hexachlorocyclopentadiene	237	8.570	8.571	-0.001	91	184218	7.68	
92 2,4,6-Trichlorophenol	196	8.655	8.656	-0.001	85	146118	6.68	
93 2,4,5-Trichlorophenol	196	8.692	8.694	-0.002	87	175400	7.86	
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.815	8.817	-0.002	95	818373	8.17	
100 2-Chloronaphthalene	162	8.853	8.854	-0.001	98	624966	8.38	
102 2-Nitroaniline	65	8.911	8.913	-0.002	72	311994	9.49	
105 Dimethyl phthalate	163	9.029	9.030	-0.001	94	723445	9.26	
106 1,3-Dinitrobenzene	168	9.072	9.073	-0.001	81	130516	10.3	
107 2,6-Dinitrotoluene	165	9.093	9.095	-0.002	60	169353	9.40	
109 Acenaphthylene	152	9.216	9.217	-0.001	86	945016	8.19	
110 3-Nitroaniline	138	9.253	9.255	-0.002	86	164438	8.49	
111 2,4-Dinitrophenol	184	9.339	9.340	-0.001	72	69490	7.30	
113 4-Nitrophenol	109	9.355	9.356	-0.001	77	167019	10.4	
112 Acenaphthene	153	9.360	9.362	-0.002	95	596360	8.19	
114 2,4-Dinitrotoluene	165	9.446	9.447	-0.001	75	234386	10.2	
116 Dibenzofuran	168	9.504	9.506	-0.002	83	888119	8.46	
119 2,3,4,6-Tetrachlorophenol	232	9.595	9.597	-0.002	78	114660	6.61	
121 Diethyl phthalate	149	9.622	9.623	-0.001	93	683453	9.39	
123 4-Chlorophenyl phenyl ether	204	9.761	9.762	-0.001	94	362292	8.81	
125 4-Nitroaniline	138	9.772	9.778	-0.006	76	190974	8.63	
126 Fluorene	166	9.798	9.800	-0.002	79	732030	8.89	
128 4,6-Dinitro-2-methylphenol	198	9.804	9.805	-0.001	76	125471	7.35	
131 N-Nitrosodiphenylamine	169	9.857	9.858	-0.001	99	524199	8.37	
132 1,2-Diphenylhydrazine	77	9.900	9.901	-0.001	98	1231252	7.97	
133 Azobenzene	77	9.900	9.901	-0.001	95	1231252	7.97	
139 4-Bromophenyl phenyl ether	248	10.183	10.184	-0.001	72	197673	8.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
142 Atrazine	200	10.268	10.270	-0.002	87	251146	9.01	
141 Hexachlorobenzene	284	10.284	10.286	-0.002	81	204357	8.49	
143 Pentachlorophenol	266	10.434	10.435	-0.001	72	94455	6.48	
148 Phenanthrene	178	10.626	10.628	-0.002	98	1088889	8.30	
149 Anthracene	178	10.669	10.670	-0.001	87	1106865	8.53	
151 Carbazole	167	10.781	10.783	-0.002	83	1060435	8.25	
154 Di-n-butyl phthalate	149	11.000	10.996	0.004	100	1399607	8.76	
159 Fluoranthene	202	11.647	11.648	-0.001	99	1424134	8.96	
161 Pyrene	202	11.850	11.851	-0.001	94	1437344	9.48	
168 Butyl benzyl phthalate	149	12.293	12.294	-0.001	89	617489	8.94	
173 Bis(2-ethylhexyl) phthalate	149	12.811	12.813	-0.002	95	912410	9.86	
175 3,3'-Dichlorobenzidine	252	12.875	12.877	-0.002	73	295520	5.65	
177 Benzo[a]anthracene	228	12.961	12.962	-0.001	90	1357300	8.36	
178 Chrysene	228	13.004	13.005	-0.001	93	1389302	8.89	
180 Di-n-octyl phthalate	149	13.548	13.550	-0.002	99	1429116	7.19	
182 Benzo[b]fluoranthene	252	14.366	14.373	-0.007	85	1230030	7.95	
183 Benzo[k]fluoranthene	252	14.409	14.410	-0.002	95	1404765	8.00	
184 Benzo[a]pyrene	252	14.921	14.923	-0.002	75	1129852	7.45	
188 Indeno[1,2,3-cd]pyrene	276	17.283	17.289	-0.006	94	1169234	7.60	
189 Dibenz(a,h)anthracene	278	17.288	17.300	-0.012	66	1025303	8.18	
190 Benzo[g,h,i]perylene	276	17.993	18.000	-0.007	91	1012126	7.96	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

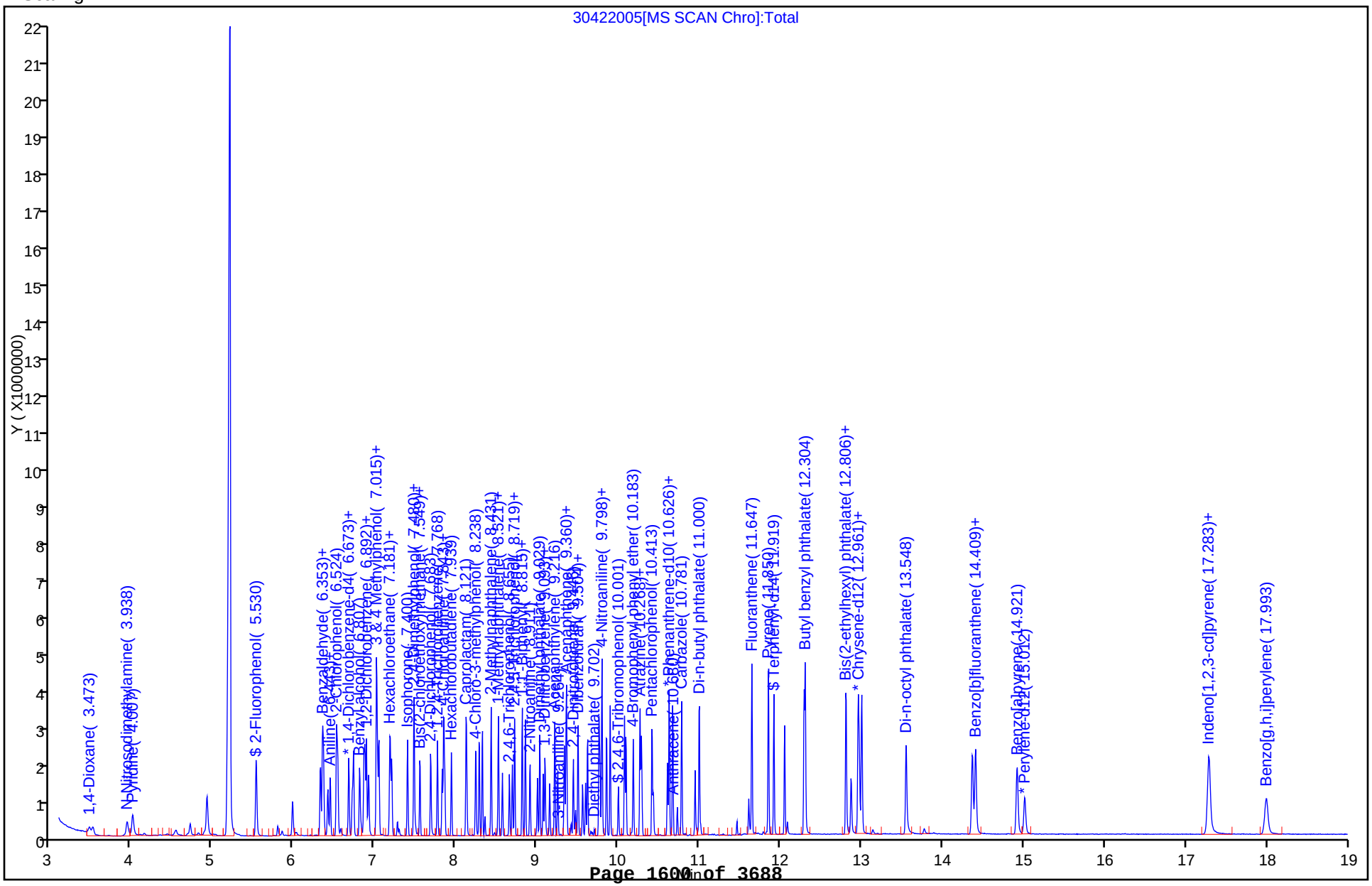
Report Date: 22-Apr-2013 13:29:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422005.D

Injection Date:	22-Apr-2013 10:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-83486/24-A

Matrix: Solid | Lab File ID: 30428007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 17:21

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.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	495		6.7	3.3	3.3
208-96-8	Acenaphthylene	521		6.7	3.3	3.3
120-12-7	Anthracene	542		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	539		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	473		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	509		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	530		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	499		6.7	3.3	3.3
100-51-6	Benzyl alcohol	493		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	523		100	27	22
111-44-4	Bis(2-chloroethyl)ether	484		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	514		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	645		70	27	19
101-55-3	4-Bromophenyl phenyl ether	515		50	27	13
85-68-7	Butyl benzyl phthalate	612		70	27	10
86-74-8	Carbazole	528		50	27	27
106-47-8	4-Chloroaniline	361		150	27	17
59-50-7	4-Chloro-3-methylphenol	520		150	27	21
91-58-7	2-Chloronaphthalene	523		50	3.3	3.3
95-57-8	2-Chlorophenol	511		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	507		50	27	13
218-01-9	Chrysene	559		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	547		6.7	3.3	3.3
132-64-9	Dibenzofuran	488		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	464		50	27	9.7
541-73-1	1,3-Dichlorobenzene	458		50	27	11
106-46-7	1,4-Dichlorobenzene	449		50	27	20
91-94-1	3,3'-Dichlorobenzidine	297		100	80	18
120-83-2	2,4-Dichlorophenol	497		150	27	20
84-66-2	Diethyl phthalate	581		70	27	16
105-67-9	2,4-Dimethylphenol	407		150	80	20
131-11-3	Dimethyl phthalate	556		70	27	17
84-74-2	Di-n-butyl phthalate	557		70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-83486/24-A

Matrix: Solid | Lab File ID: 30428007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 17:21

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.: 83882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	450		150	80	80
51-28-5	2,4-Dinitrophenol	438		330	80	80
121-14-2	2,4-Dinitrotoluene	612		200	27	27
606-20-2	2,6-Dinitrotoluene	583		200	27	21
117-84-0	Di-n-octyl phthalate	500		70	27	27
206-44-0	Fluoranthene	531		6.7	3.3	3.3
86-73-7	Fluorene	517		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	477		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	428		50	27	27
77-47-4	Hexachlorocyclopentadiene	410		330	27	27
67-72-1	Hexachloroethane	458		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	520		6.7	3.3	3.3
78-59-1	Isophorone	502		50	27	13
91-57-6	2-Methylnaphthalene	462		6.7	3.3	3.3
95-48-7	2-Methylphenol	512		200	80	80
15831-10-4	3 & 4 Methylphenol	1050		400	80	20
91-20-3	Naphthalene	478		6.7	3.3	3.3
88-74-4	2-Nitroaniline	598		200	27	9.1
99-09-2	3-Nitroaniline	534		200	80	16
100-01-6	4-Nitroaniline	535		200	27	26
98-95-3	Nitrobenzene	496		100	3.3	2.2
88-75-5	2-Nitrophenol	493		50	27	27
100-02-7	4-Nitrophenol	624		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	502		50	27	27
86-30-6	N-Nitrosodiphenylamine	506		50	27	21
87-86-5	Pentachlorophenol	393		150	80	80
85-01-8	Phenanthrene	525		6.7	3.3	3.3
108-95-2	Phenol	525		50	27	27
129-00-0	Pyrene	592		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	451		50	27	27
95-95-4	2,4,5-Trichlorophenol	537		150	27	25
88-06-2	2,4,6-Trichlorophenol	524		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-83486/24-A

Matrix: Solid | Lab File ID: 30428007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/25/2013 08:16

Sample wt/vol: 30.00(g) | Date Analyzed: 04/28/2013 17:21

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.: 83882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		45-105
367-12-4	2-Fluorophenol (Surr)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	60		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428007.D
Lims ID: LCS 240-83486/24-A Client ID:
Inject. Date: 28-Apr-2013 17:21:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0019340-007
Misc. Info.: LCS 240-83486/24-A =LCS 240-83486/24-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 83882 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 09:47:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.646	6.642	0.004	78	182383	4.00	
* 2 Naphthalene-d8	136	7.756	7.758	-0.002	99	772137	4.00	
* 3 Acenaphthene-d10	164	9.257	9.258	-0.001	85	405233	4.00	
* 4 Phenanthrene-d10	188	10.526	10.528	-0.002	97	689785	4.00	
* 5 Chrysene-d12	240	12.863	12.865	-0.002	80	844635	4.00	
* 6 Perylene-d12	264	14.830	14.837	-0.007	96	701090	4.00	
$ 7 2-Fluorophenol	112	5.424	5.406	0.018	94	782613	10.6	
$ 8 Phenol-d5	99	6.280	6.272	0.008	91	1090004	10.9	
$ 9 Nitrobenzene-d5	82	7.117	7.118	-0.001	86	759452	6.67	
$ 10 2-Fluorobiphenyl (Surr)	172	8.646	8.648	-0.002	98	821483	6.81	
$ 11 2,4,6-Tribromophenol	330	9.925	9.927	-0.002	85	134212	10.2	
$ 12 Terphenyl-d14	244	11.834	11.836	-0.002	98	906714	5.99	
25 1,4-Dioxane	88	2.880	2.877	0.003	88	147217	3.96	
26 N-Nitrosodimethylamine	74	3.558	3.560	-0.002	79	424751	6.91	
27 Pyridine	79	3.630	3.632	-0.002	92	572071	5.58	
31 2-Picoline	93	4.746	4.724	0.022	92	548300	5.47	
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79	5.895	5.868	0.027	94	483849	6.37	
41 Benzaldehyde	77	6.242	6.248	-0.006	88	514929	6.49	
43 Phenol	94	6.290	6.286	0.004	91	807539	7.88	
44 Aniline	93	6.338	6.339	-0.001	96	378421	2.86	
69 Bis(2-chloroethyl)ether	93	6.371	6.373	-0.002	94	665650	7.25	
46 2-Chlorophenol	128	6.463	6.460	0.003	91	451697	7.67	
47 1,3-Dichlorobenzene	146	6.597	6.599	-0.002	88	423713	6.86	
48 1,4-Dichlorobenzene	146	6.660	6.657	0.003	85	428004	6.74	
49 Benzyl alcohol	108	6.737	6.739	-0.002	85	339963	7.40	
50 1,2-Dichlorobenzene	146	6.799	6.801	-0.002	82	410507	6.96	
51 2-Methylphenol	108	6.824	6.825	-0.001	79	499696	7.68	
53 2,2'-oxybis[1-chloropropane]	45	6.848	6.849	-0.001	94	662741	7.72	
21 3 & 4 Methylphenol	108	6.949	6.950	-0.001	96	1070240	15.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70	6.958	6.960	-0.002	74	521127	7.52	
58 Acetophenone	105	6.973	6.979	-0.006	90	779613	7.20	
61 Hexachloroethane	117	7.107	7.109	-0.002	77	207110	6.87	
62 Nitrobenzene	77	7.131	7.133	-0.002	79	767803	7.45	
64 Isophorone	82	7.328	7.330	-0.002	96	1285208	7.53	
65 2,4-Dimethylphenol	107	7.410	7.412	-0.002	90	442344	6.11	
66 2-Nitrophenol	139	7.410	7.412	-0.002	77	226586	7.40	
71 Benzoic acid	122		7.460					9
70 Bis(2-chloroethoxy)methane	93	7.482	7.484	-0.002	98	775514	7.85	
73 2,4-Dichlorophenol	162	7.617	7.614	0.003	92	352993	7.45	
74 1,2,4-Trichlorobenzene	180	7.699	7.700	-0.001	91	367371	6.77	
75 Naphthalene	128	7.771	7.772	-0.001	98	1339383	7.17	
76 4-Chloroaniline	127	7.785	7.787	-0.002	70	532226	5.42	
79 Hexachlorobutadiene	225	7.867	7.869	-0.002	90	206332	6.42	
118 2,3,5,6-Tetrachlorophenol	232		7.920					9
82 Quinoline	129	8.050	8.018	0.032	91	870155	7.30	
84 Caprolactam	113	8.055	8.071	-0.016	85	171066	8.14	
86 4-Chloro-3-methylphenol	107	8.175	8.176	-0.001	87	503738	7.81	
94 Safrole, Total	162	8.252	8.224	0.028	76	322634	6.94	
87 2-Methylnaphthalene	142	8.358	8.359	-0.001	85	815932	6.93	
88 1-Methylnaphthalene	142	8.444	8.446	-0.002	81	779818	7.09	
89 Hexachlorocyclopentadiene	237	8.497	8.499	-0.002	93	199138	6.15	
92 2,4,6-Trichlorophenol	196	8.584	8.585	-0.001	85	231915	7.86	
93 2,4,5-Trichlorophenol	196	8.617	8.624	-0.007	86	242692	8.06	
98 1,1'-Biphenyl	154	8.742	8.744	-0.002	96	995261	7.36	
100 2-Chloronaphthalene	162	8.781	8.777	0.004	98	789001	7.84	
102 2-Nitroaniline	65	8.834	8.835	-0.001	71	398005	8.97	
104 1,4-Dinitrobenzene	168	8.930	8.902	0.028	81	135908	7.04	
105 Dimethyl phthalate	163	8.959	8.960	-0.001	94	879270	8.33	
106 1,3-Dinitrobenzene	168	9.002	8.999	0.003	82	162208	9.46	
107 2,6-Dinitrotoluene	165	9.021	9.023	-0.002	70	212781	8.75	
109 Acenaphthylene	152	9.141	9.138	0.003	93	1217244	7.81	
110 3-Nitroaniline	138	9.180	9.177	0.003	86	209582	8.01	
111 2,4-Dinitrophenol	184	9.262	9.263	-0.001	65	82562	6.57	
112 Acenaphthene	153	9.286	9.287	-0.001	93	729490	7.42	
113 4-Nitrophenol	109	9.281	9.287	-0.006	61	202629	9.37	
114 2,4-Dinitrotoluene	165	9.372	9.374	-0.002	75	283837	9.17	
116 Dibenzofuran	168	9.425	9.427	-0.002	86	1037175	7.32	
119 2,3,4,6-Tetrachlorophenol	232	9.521	9.523	-0.002	77	177186	7.56	
121 Diethyl phthalate	149	9.545	9.547	-0.002	93	856127	8.71	
123 4-Chlorophenyl phenyl ether	204	9.685	9.686	-0.001	94	422234	7.61	
125 4-Nitroaniline	138	9.699	9.701	-0.002	78	238173	8.03	
126 Fluorene	166	9.718	9.720	-0.002	81	862003	7.76	
128 4,6-Dinitro-2-methylphenol	198	9.723	9.725	-0.002	70	147425	6.76	
131 N-Nitrosodiphenylamine	169	9.776	9.782	-0.006	98	616677	7.59	
132 1,2-Diphenylhydrazine	77	9.824	9.821	0.003	99	1553533	7.75	
133 Azobenzene	77	9.824	9.821	0.003	95	1553678	7.75	
137 Phenacetin	108	10.002	9.975	0.027	89	630254	7.74	
138 Phorate	121	10.017	9.994	0.023	82	198444	7.77	
139 4-Bromophenyl phenyl ether	248	10.108	10.109	-0.001	70	236496	7.72	
142 Atrazine	200	10.190	10.196	-0.006	85	283684	7.89	
141 Hexachlorobenzene	284	10.204	10.206	-0.002	86	223451	7.16	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
144 Pronamide	173	10.339	10.311	0.028	87	396455	8.08	
143 Pentachlorophenol	266	10.353	10.355	-0.002	81	109493	5.89	
148 Phenanthrene	178	10.546	10.547	-0.001	98	1339665	7.87	
149 Anthracene	178	10.589	10.590	-0.001	99	1368040	8.13	
151 Carbazole	167	10.699	10.701	-0.002	83	1319409	7.92	
154 Di-n-butyl phthalate	149	10.921	10.922	-0.001	100	1730484	8.36	
159 Fluoranthene	202	11.565	11.567	-0.002	99	1643383	7.97	
161 Pyrene	202	11.767	11.769	-0.002	94	1655281	8.88	
164 Chlorobenzilate	139	11.969	11.942	0.027	84	509834	7.17	
168 Butyl benzyl phthalate	149	12.205	12.206	-0.001	89	779333	9.17	
173 Bis(2-ethylhexyl) phthalate	149	12.709	12.711	-0.002	94	1100445	9.67	
175 3,3'-Dichlorobenzidine	252	12.767	12.769	-0.002	70	286906	4.46	
177 Benzo[a]anthracene	228	12.849	12.851	-0.001	99	1613289	8.08	
178 Chrysene	228	12.892	12.894	-0.002	95	1612205	8.39	
180 Di-n-octyl phthalate	149	13.426	13.428	-0.002	99	1750286	7.51	
182 Benzo[b]fluoranthene	252	14.210	14.211	-0.001	96	1384182	7.64	
183 Benzo[k]fluoranthene	252	14.248	14.250	-0.002	99	1539455	7.49	
184 Benzo[a]pyrene	252	14.744	14.745	-0.001	79	1261221	7.10	
189 Dibenz(a,h)anthracene	278	17.018	17.025	-0.007	64	1203405	8.20	
188 Indeno[1,2,3-cd]pyrene	276	17.013	17.025	-0.012	91	1405960	7.80	
190 Benzo[g,h,i]perylene	276	17.696	17.703	-0.007	94	1182767	7.95	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

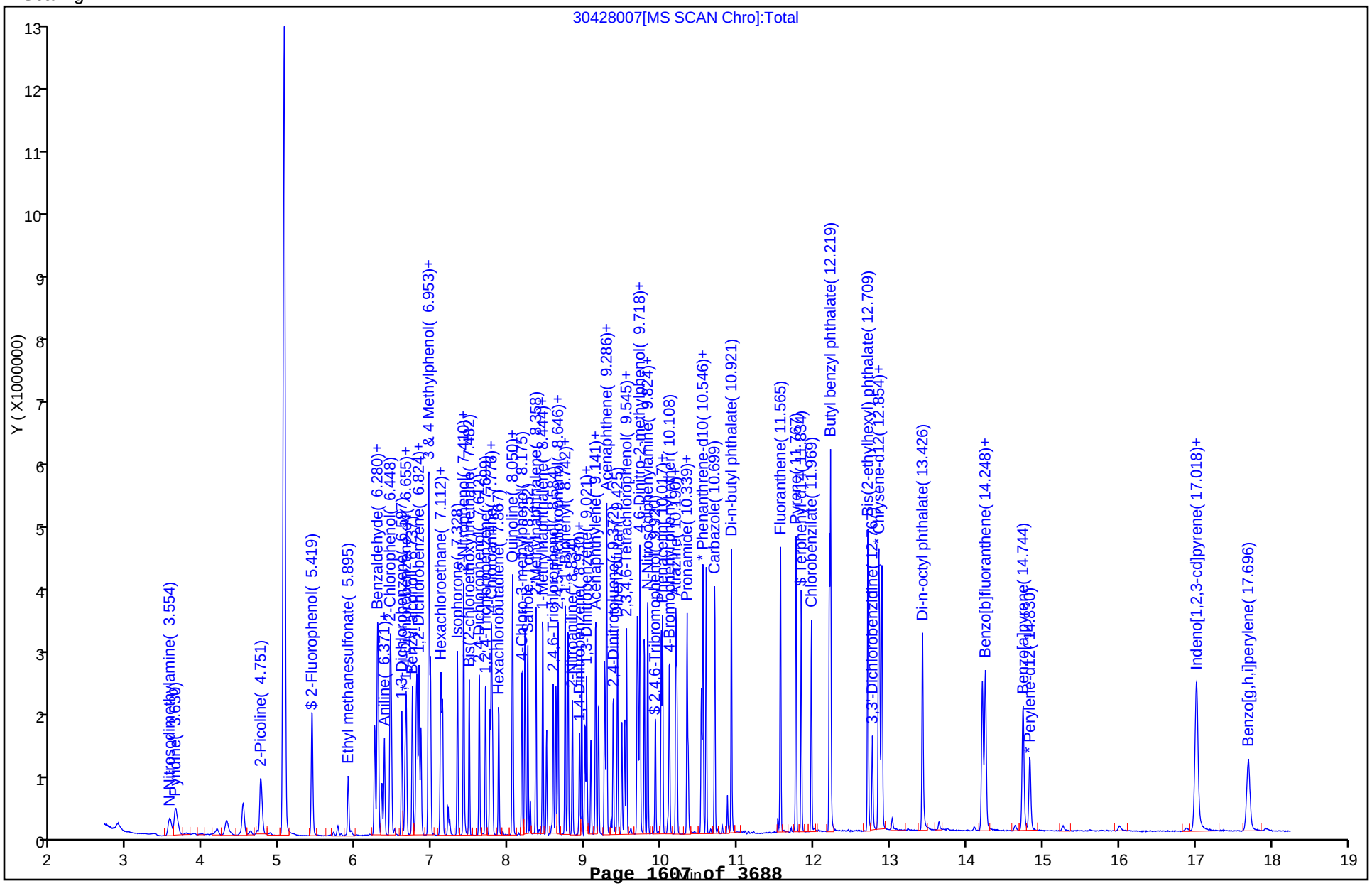
Report Date: 29-Apr-2013 10:48:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428007.D

Injection Date:	28-Apr-2013 17:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	7
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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/3

Matrix: Water | Lab File ID: 30417003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 10:49

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.96		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.03		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.91		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.83		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.93		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.34		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.82		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.32		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.69		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.44		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.00		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.87		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.90		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	4.77		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.92		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.80		0.0020	0.00080	0.00080
86-74-8	Carbazole	4.93		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.03		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	4.97		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.80		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.85		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.12		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.06		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.62		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.11		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.97		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.97		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.03		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	9.66		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.02		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.87		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.77		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.00		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.62		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/3

Matrix: Water | Lab File ID: 30417003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 10:49

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	8.99		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.43		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	4.63		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.19		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	3.97		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	4.94		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.06		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.05		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.15		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.62		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.78		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.71		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.95		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.05		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.00		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.97		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.98		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.63		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.64		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.16		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.99		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.72		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	8.78		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.76		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	9.82		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.55		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.88		0.00020	0.00010	0.00010
108-95-2	Phenol	4.96		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.05		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.14		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.11		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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/3

Matrix: Water | Lab File ID: 30417003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 10:49

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	97		70-130
367-12-4	2-Fluorophenol (Surr)	98		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	91		50-150
4165-62-2	Phenol-d5 (Surr)	93		50-150
1718-51-0	Terphenyl-d14 (Surr)	93		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	102		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 17-Apr-2013 10:49:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018951-003
Misc. Info.: MRL QC =MRL QC
Operator: 001710
Instrument ID: A4HP10
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 82293
Lims Sample ID: 3
Detector: MS SCAN

Method: \\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m
Last Update: 18-Apr-2013 13:47:22
Calib Date: 12-Apr-2013 00:58:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK023

First Level Reviewer: gruberj
Date: 17-Apr-2013 11:18:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.912	5.912	0.0	97	140316	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	100	537944	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	94	332912	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	98	633384	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	77	682642	4.00	
* 6 Perylene-d12	264	14.497	14.497	0.0	85	527951	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	95	197957	4.88	
$ 8 Phenol-d5	99	5.548	5.548	0.0	92	252716	4.67	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	89	228414	4.54	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	98	521478	4.86	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	89	62130	5.10	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	99	625648	4.66	
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
32 Malononitrile	66		2.451					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88	2.475	2.469	0.006	85	93679	4.76	M
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					
26 N-Nitrosodimethylamine	74	2.939	2.939	0.0	83	118435	5.06	
27 Pyridine	79	2.986	2.986	0.0	96	221271	5.10	M
38 2-Methylcyclohexanone	68	3.210	3.221	-0.011	1	172	0	
40 4-Methylcyclohexanone	55	3.280	3.221	0.059	1	2837	0	
39 3-Methylcyclohexanone	69	3.198	3.221	-0.023	1	358	0	
232 1-Methyl-2-pyrrilidinone	99	3.439	3.351	0.088	0	100	0	
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110		4.161					
31 N-Nitrosomethylethylamine	88		4.226					9
22 3-Methylcatechol	124		4.460					
34 Acrylamide	71	4.508	4.497	0.011	1	369	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					9
17 4-Methylcatechol	124		4.583					
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					9
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					9
41 Benzaldehyde	77	5.513	5.513	0.0	90	366707	9.61	
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	98	264056	4.96	
44 Aniline	93	5.607	5.607	0.0	95	333096	5.08	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	93	200592	4.87	
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128	5.713	5.713	0.0	96	208286	4.85	
48 1,3-Dichlorobenzene	146	5.860	5.860	0.0	97	230454	4.97	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	92	238242	5.03	
50 Benzyl alcohol	108	6.018	6.018	0.0	88	120935	4.44	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	94	224612	4.97	
127 Tributyl phosphate	99		6.089					
52 2-Methylphenol	108	6.106	6.106	0.0	98	193704	5.00	
53 Indene	115	6.142	6.142	0.0	74	800736	10.0	
54 2,2'-oxybis[1-chloropropane]	45	6.142	6.142	0.0	90	308488	4.90	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	95	200529	4.97	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	90	137473	4.76	
58 Acetophenone	105	6.259	6.259	0.0	87	294355	4.89	
55 N-Nitrosopyrrolidine	100		6.277					9
59 N-Nitrosomorpholine	56		6.312					9
60 2-Toluidine	106		6.330					
61 Hexachloroethane	117	6.365	6.365	0.0	93	87421	4.78	
62 Nitrobenzene	77	6.412	6.412	0.0	89	228240	4.99	
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82	6.617	6.617	0.0	97	406070	4.95	
66 2-Nitrophenol	139	6.688	6.694	-0.006	95	103032	4.72	
65 2,4-Dimethylphenol	107	6.706	6.706	0.0	89	199865	4.77	
70 Benzoic acid	122	6.747	6.764	-0.017	82	202047	9.32	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	97	241928	5.00	
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162	6.894	6.894	0.0	94	172798	5.02	
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	92	207135	5.14	
74 Naphthalene	128	7.046	7.046	0.0	97	621006	4.98	
75 4-Chloroaniline	127	7.082	7.082	0.0	84	261616	5.03	
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225	7.146	7.146	0.0	91	126974	5.15	
77 Hexachloropropene	213		7.158					9
80 Benzothiazole	135		7.243					
81 Quinoline	129		7.364					9
83 Caprolactam	113	7.364	7.370	-0.006	75	125386	10.6	
82 N-Nitrosodi-n-butylamine	84		7.387					
84 p-Phenylene diamine	108		7.411					9
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	90	182997	4.97	
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142	7.640	7.640	0.0	86	423645	5.05	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	80	386922	4.91	
89 Hexachlorocyclopentadiene	237	7.769	7.769	0.0	88	121980	4.62	
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	92	230806	5.22	
95 Isosafrole Peak 1	162		7.834					
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	88	139728	5.09	
94 2,4,5-Trichlorophenol	196	7.898	7.904	-0.006	96	145388	5.11	
96 3,4-Dichloronitrobenzene	109		7.967					
91 Isosafrole Peak 2	162		8.028					9
98 1,1'-Biphenyl	154	8.028	8.033	-0.005	97	532854	4.95	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	91	393384	4.80	
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162	8.098	8.116	-0.018	0	54	0	
102 2-Nitroaniline	65	8.127	8.133	-0.006	80	116717	4.63	
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163	8.269	8.274	-0.006	98	464933	5.00	
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	82	71235	4.96	
107 2,6-Dinitrotoluene	165	8.327	8.333	-0.006	88	105516	5.19	
109 Acenaphthylene	152	8.415	8.415	0.0	93	655854	5.03	
110 3-Nitroaniline	138	8.474	8.480	-0.006	92	110476	4.64	
112 Acenaphthene	153	8.556	8.562	-0.006	95	449222	4.96	
111 2,4-Dinitrophenol	184	8.562	8.568	-0.006	71	123610	9.43	
113 4-Nitrophenol	109	8.592	8.598	-0.006	90	117825	8.78	
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	86	134709	4.63	
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168	8.703	8.709	-0.006	86	624400	5.11	
119 2,3,4,6-Tetrachlorophenol	232		8.797					
117 2,3,5,6-Tetrachlorophenol	232	8.797	8.798	-0.001	86	125430	4.61	
118 1-Naphthylamine	143		8.803					9
121 Diethyl phthalate	149	8.868	8.868	0.0	97	468136	4.87	
120 2-Naphthylamine	143		8.874					9
122 Thionazin	97		8.974					
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	88	267586	5.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166	8.997	8.997	0.0	82	502105	5.06	
125 4-Nitroaniline	138	8.997	8.997	0.0	81	117500	5.16	
128 4,6-Dinitro-2-methylphenol	198	9.021	9.021	0.0	90	182840	8.99	
124 N-Nitro-o-toluidine	152		9.033					
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	96	735129	9.82	
130 Diphenylamine	169	9.079	9.115	-0.036	92	735129	8.36	
132 Azobenzene	77	9.120	9.120	0.0	99	464835	4.62	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	95	464151	4.61	
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					9
135 Diallate Peak 1	86		9.356					
136 Phenacetin	108		9.362					9
137 Phorate	121		9.367					9
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	61	139025	4.92	
138 Diallate Peak 2	86		9.438					9
141 Hexachlorobenzene	284	9.467	9.467	0.0	93	144512	5.05	
140 Dimethoate	87		9.514					
142 Atrazine	200	9.514	9.520	-0.006	91	289681	10.2	
144 Pentachlorophenol	266	9.626	9.626	0.0	88	169890	8.55	
143 4-Aminobiphenyl	169	9.626	9.661	-0.035	51	27161	0	
146 Pentachloronitrobenzene	237		9.673					9
145 Pronamide	173		9.691					
148 Dinoseb	211		9.802					9
147 Disulfoton	88		9.808					
149 Phenanthrene	178	9.820	9.820	0.0	97	716969	4.88	
150 Anthracene	178	9.867	9.867	0.0	97	717253	4.91	
151 DFTPP								
152 Carbazole	167	9.990	9.990	0.0	93	662922	4.93	
153 Methyl parathion	109		10.131					9
154 Diphenylsulfone	125		10.147					9
155 Di-n-butyl phthalate	149	10.254	10.254	0.0	100	759978	4.62	
156 Ethyl Parathion	97		10.454					9
157 4-Nitroquinoline-1-oxide	190		10.507					
158 Methapyrilene	58		10.554					
159 Isodrin	66		10.748					9
160 Fluoranthene	202	10.836	10.836	0.0	98	855455	4.94	
161 Benzidine	184	10.936	10.936	0.0	95	633690	8.93	
162 Pyrene	202	11.054	11.054	0.0	97	889539	5.05	
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					
163 Aramite Peak 1	185		11.171					9
164 Aramite Peak 2	185		11.242					9
165 p-Dimethylamino azobenzene	225		11.353					9
166 Chlorobenzilate	139		11.389					
167 4,4'-DDD	235		11.447					9
28 Ethyl methacrylate	69		11.477					9
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	98	322351	4.80	
171 3,3'-Dimethylbenzidine	212		11.712					
172 4,4'-DDT	235		11.782					
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232	12.387	12.319	0.068	1	28071	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
177 3,3'-Dichlorobenzidine	252	12.317	12.323	-0.006	68	537851	9.66	
175 Bis(2-ethylhexyl) phthalate	149	12.352	12.352	0.0	95	451223	4.77	
179 Benzo[a]anthracene	228	12.376	12.376	0.0	87	820656	4.83	
176 4,4'-Methylene bis(2-chloroanili	231		12.382					9
180 Chrysene	228	12.423	12.423	0.0	92	789548	5.06	
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149	13.274	13.280	-0.006	100	609128	3.97	
184 Benzo[b]fluoranthene	252	13.903	13.909	-0.006	85	614468	4.34	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	86	877495	5.69	
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	75	648687	4.93	
187 3-Methylcholanthrene	268		15.037					9
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276	16.183	16.189	-0.006	94	680221	4.71	
191 Dibenz(a,h)anthracene	278	16.212	16.218	-0.006	74	556286	4.62	
192 Benzo[g,h,i]perylene	276	16.635	16.647	-0.012	94	594083	4.82	
S 193 Methyl Phenols,Total	100				0		9.97	
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57	5.754	0.0	5.754	91	252205	0	
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	4.655	4.004	0.655	0	1136	0	
T 200 Hexamethylphosphoramide TIC	135	7.099	7.206	-0.101	1	340	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					
T 19 2,3,7,8-TCDD	320		8.800					1
T 199 Octadecane (TIC)	254	9.649	9.605	0.049	97	313587	0	
T 241 Triphenyl Phosphate TIC	326	11.964	12.261	-0.286	0	64	0	
T 240 Tricresyl phosphate TIC	368	13.316	12.762	0.566	0	72	0	
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.491	14.511	-0.009	0	460	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

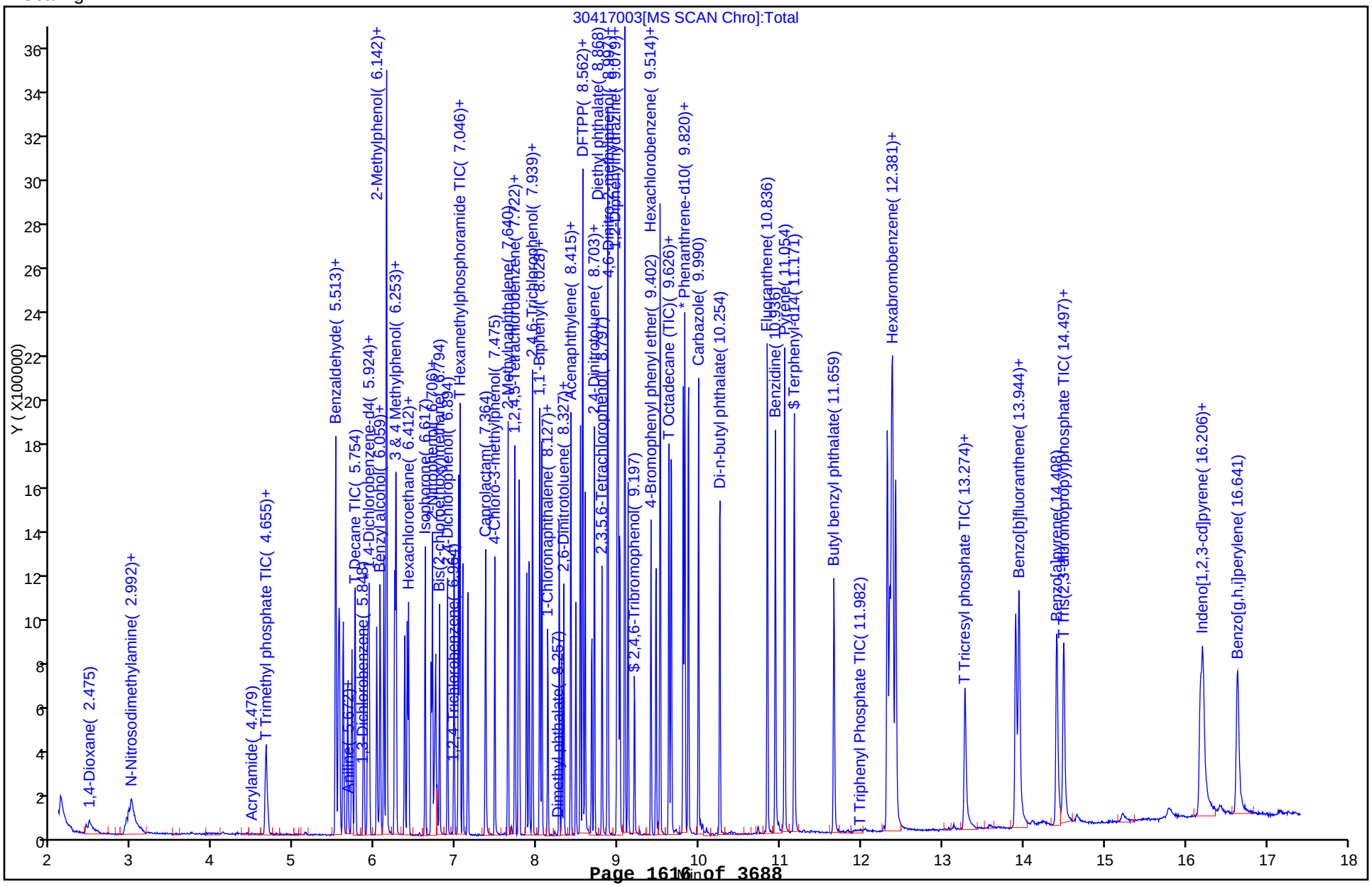
Report Date: 18-Apr-2013 13:47:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417003.D

Injection Date:	17-Apr-2013 10:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	3
Operator ID:	001710	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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/25

Matrix: Water | Lab File ID: 30417025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 19:29

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.73		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.05		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.00		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.85		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.14		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.66		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.00		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.17	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.09		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	2.94	^	0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.96		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.80		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.76		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.12		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.98		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.96		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.03		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.03		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	4.84		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	4.98		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.83		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.01		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.86		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.06		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	5.14		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.6		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.17		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.68		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.92		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.90		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.84		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/25

Matrix: Water | Lab File ID: 30417025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 19:29

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	7.50		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.16		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	4.61		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.03		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.54		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	4.89		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.99		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.91		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.08		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	0.783	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	3.43	^	0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.01		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.86		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.96		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.90		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.14		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.00		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.84		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.62		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.41		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.77		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.99		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	8.68		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.88		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	10.0		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.37		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.88		0.00020	0.00010	0.00010
108-95-2	Phenol	5.02		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.02		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.07		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.13		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.87		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82293/25

Matrix: Water | Lab File ID: 30417025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 19:29

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82293 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	94		70-130
367-12-4	2-Fluorophenol (Surr)	96		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	91		50-150
4165-62-2	Phenol-d5 (Surr)	96		50-150
1718-51-0	Terphenyl-d14 (Surr)	95		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	103		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417025.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	17-Apr-2013 19:29:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018951-025		
Misc. Info.:	MRL QCCL		
Operator:	001710	Instrument ID:	A4HP10
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	82293	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\8270_10.m		
Last Update:	18-Apr-2013 13:47:22	Calib Date:	12-Apr-2013 00:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A4HP10\20130411-18790.b\30411019.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK023		
First Level Reviewer: gruberj		Date:	18-Apr-2013 10:38:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.906	5.912	-0.006	98	181576	4.00	
* 2 Naphthalene-d8	136	7.029	7.029	0.0	99	701977	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	93	438949	4.00	
* 4 Phenanthrene-d10	188	9.802	9.802	0.0	97	823536	4.00	
* 5 Chrysene-d12	240	12.387	12.387	0.0	95	897529	4.00	
* 6 Perylene-d12	264	14.497	14.497	0.0	98	723319	4.00	
$ 7 2-Fluorophenol	112	4.655	4.655	0.0	94	252961	4.82	
$ 8 Phenol-d5	99	5.548	5.548	0.0	86	336797	4.81	
$ 9 Nitrobenzene-d5	82	6.394	6.394	0.0	91	299015	4.56	
$ 10 2-Fluorobiphenyl (Surr)	172	7.939	7.945	-0.006	99	667325	4.72	
$ 11 2,4,6-Tribromophenol	330	9.203	9.203	0.0	89	82999	5.17	
$ 12 Terphenyl-d14	244	11.171	11.171	0.0	99	835416	4.73	
247 Hexadecane	57		0.000					
234 2-Isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
13 Dimethylformamide	1		0.000					
23 Bis(4-hydroxyphenyl)methane	1		0.000					
18 Octachlorostyrene	1		0.000					
24 Bis(2-hydroxyphenyl)methane	1		0.000					
245 Total Cresols	1		0.000					
239 3-isopropylphenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
250 2,3,7,8-TCDD TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Octachlorocyclopentene	1		0.000					
21 2,5-Dichlorophenol	1		0.000					
243 n-Decane	57		0.000					
242 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
32 Malononitrile	66		2.451					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
25 1,4-Dioxane	88	2.475	2.469	0.006	91	116321	4.56	M
233 n,n'-Dimethylacetamide	44		2.478					
35 3-Picoline	93		2.622					
26 N-Nitrosodimethylamine	74	2.933	2.939	-0.006	93	158184	5.23	M
27 Pyridine	79	2.992	2.986	0.006	89	273976	4.88	M
38 2-Methylcyclohexanone	68		3.221					124
40 4-Methylcyclohexanone	55	3.339	3.221	0.118	1	1357	0	
39 3-Methylcyclohexanone	69	3.174	3.221	-0.047	1	598	0	
232 1-Methyl-2-pyrrilidinone	99		3.351					
30 2-Picoline	93		4.091					
67 1,3,5-Trichlorobenzene	180		4.145					
14 Catechol	110		4.161					149
31 N-Nitrosomethylethylamine	88		4.226					
22 3-Methylcatechol	124		4.460					1249
34 Acrylamide	71	4.485	4.497	-0.012	1	222	0	
79 1,2,3-Trichlorobenzene	180		4.535					
33 Methyl methanesulfonate	80		4.550					9
17 4-Methylcatechol	124		4.583					19
36 N-Nitrosodiethylamine	102		4.955					
90 1,2,3,5-Tetrachlorobenzene	216		5.031					
97 2,4-Toluene diamine	121		5.234					
37 Ethyl methanesulfonate	79		5.237					
99 1,2,3,4 -Tetrachlorobenzene	216		5.250					9
41 Benzaldehyde	77	5.513	5.513	0.0	89	485146	9.82	
42 Phenylmercaptan	110		5.539					
108 1,2-Dinitrobenzene	168		5.550					
43 Phenol	94	5.560	5.560	0.0	98	345984	5.02	
44 Aniline	93	5.607	5.607	0.0	95	424013	5.00	
45 Bis(2-chloroethyl)ether	93	5.660	5.660	0.0	95	256088	4.80	
46 Pentachloroethane	167		5.701					
47 2-Chlorophenol	128	5.713	5.713	0.0	98	277455	5.00	
48 1,3-Dichlorobenzene	146	5.859	5.860	-0.001	97	307042	5.11	
49 1,4-Dichlorobenzene	146	5.924	5.924	0.0	93	314760	5.14	
50 Benzyl alcohol	108	6.024	6.018	0.006	91	103825	2.94	
51 1,2-Dichlorobenzene	146	6.059	6.059	0.0	95	295527	5.06	
127 Tributyl phosphate	99		6.089					
52 2-Methylphenol	108	6.106	6.106	0.0	98	245852	4.90	
53 Indene	115	6.141	6.142	-0.001	74	1020522	9.87	
54 2,2'-oxybis[1-chloropropane]	45	6.141	6.142	-0.001	54	387739	4.76	
56 3 & 4 Methylphenol	108	6.241	6.241	0.0	95	268491	5.14	
57 N-Nitrosodi-n-propylamine	70	6.253	6.253	0.0	91	182671	4.88	
58 Acetophenone	105	6.259	6.259	0.0	92	389369	5.00	
55 N-Nitrosopyrrolidine	100		6.277					
59 N-Nitrosomorpholine	56		6.312					
60 2-Toluidine	106		6.330					
61 Hexachloroethane	117	6.365	6.365	0.0	94	81140	3.43	
62 Nitrobenzene	77	6.412	6.412	0.0	88	284919	4.77	
63 N-Nitrosopiperidine	114		6.582					
64 Isophorone	82	6.617	6.617	0.0	97	520255	4.86	
66 2-Nitrophenol	139	6.688	6.694	-0.006	97	142091	4.99	
65 2,4-Dimethylphenol	107	6.706	6.706	0.0	91	269081	4.92	
70 Benzoic acid	122	6.747	6.764	-0.017	82	258900	9.17	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethoxy)methane	93	6.794	6.794	0.0	97	312999	4.96	
68 o,o',o''-Triethylphosphorothioat	198		6.800					
72 2,4-Dichlorophenol	162	6.894	6.894	0.0	93	232184	5.17	
71 alpha,alpha-Dimethyl phenethylam	58		6.906					9
73 1,2,4-Trichlorobenzene	180	6.976	6.976	0.0	93	267044	5.07	
74 Naphthalene	128	7.046	7.046	0.0	97	813671	5.00	
75 4-Chloroaniline	127	7.082	7.082	0.0	83	341305	5.03	
76 2,6-Dichlorophenol	162		7.123					
78 Hexachlorobutadiene	225	7.146	7.146	0.0	93	163574	5.08	
77 Hexachloropropene	213		7.158					9
80 Benzothiazole	135		7.243					9
81 Quinoline	129		7.364					
83 Caprolactam	113	7.364	7.370	-0.006	79	164221	10.7	
82 N-Nitrosodi-n-butylamine	84		7.387					
84 p-Phenylene diamine	108		7.411					9
85 4-Chloro-3-methylphenol	107	7.475	7.475	0.0	93	245410	5.11	
86 Safrole, Total	162		7.587					
87 2-Methylnaphthalene	142	7.640	7.640	0.0	85	543881	4.96	
88 1-Methylnaphthalene	142	7.722	7.728	-0.006	81	502972	4.90	
89 Hexachlorocyclopentadiene	237	7.769	7.769	0.0	71	27301	0.7835	
92 1,2,4,5-Tetrachlorobenzene	216	7.781	7.781	0.0	94	295645	5.07	
95 Isosafrole Peak 1	162		7.834					
93 2,4,6-Trichlorophenol	196	7.869	7.869	0.0	91	176200	4.87	
94 2,4,5-Trichlorophenol	196	7.898	7.904	-0.006	96	192656	5.13	
96 3,4-Dichloronitrobenzene	109		7.967					
91 Isosafrole Peak 2	162		8.028					
98 1,1'-Biphenyl	154	8.033	8.033	0.0	96	684904	4.83	
100 2-Chloronaphthalene	162	8.057	8.057	0.0	96	522825	4.84	
101 Phenyl ether	170		8.089					9
246 1-Chloronaphthalene	162	8.075	8.116	-0.041	0	936	0	
102 2-Nitroaniline	65	8.127	8.133	-0.006	81	160799	4.84	
103 1,4-Naphthoquinone	158		8.239					
105 Dimethyl phthalate	163	8.274	8.274	0.0	99	600866	4.90	
104 1,4-Dinitrobenzene	168		8.280					
106 1,3-Dinitrobenzene	168	8.304	8.310	-0.006	83	94975	5.01	
107 2,6-Dinitrotoluene	165	8.327	8.333	-0.006	84	134953	5.03	
109 Acenaphthylene	152	8.415	8.415	0.0	90	869102	5.05	
110 3-Nitroaniline	138	8.474	8.480	-0.006	90	144740	4.62	
112 Acenaphthene	153	8.562	8.562	0.0	95	565384	4.73	
111 2,4-Dinitrophenol	184	8.562	8.568	-0.006	74	116415	7.16	
113 4-Nitrophenol	109	8.592	8.598	-0.006	93	153434	8.68	
174 3,3'-Dimethoxybenzidine	244		8.648					
114 2,4-Dinitrotoluene	165	8.674	8.674	0.0	91	176604	4.61	
115 Pentachlorobenzene	250		8.704					
116 Dibenzofuran	168	8.703	8.709	-0.006	81	782027	4.86	
119 2,3,4,6-Tetrachlorophenol	232		8.797					
117 2,3,5,6-Tetrachlorophenol	232	8.797	8.798	-0.001	89	170157	4.73	
118 1-Naphthylamine	143		8.803					9
121 Diethyl phthalate	149	8.868	8.868	0.0	97	593129	4.68	
120 2-Naphthylamine	143		8.874					9
122 Thionazin	97		8.974					
123 4-Chlorophenyl phenyl ether	204	8.985	8.985	0.0	88	343092	4.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
126 Fluorene	166	8.997	8.997	0.0	82	652951	4.99	
125 4-Nitroaniline	138	8.997	8.997	0.0	80	162623	5.41	
128 4,6-Dinitro-2-methylphenol	198	9.021	9.021	0.0	89	194065	7.50	
124 N-Nitro-o-toluidine	152		9.033					
129 N-Nitrosodiphenylamine	169	9.079	9.085	-0.006	97	973786	10.0	
130 Diphenylamine	169	9.079	9.115	-0.036	88	973786	8.52	
132 Azobenzene	77	9.120	9.120	0.0	99	597810	4.57	
131 1,2-Diphenylhydrazine	77	9.120	9.120	0.0	95	597600	4.57	
133 Sulfotepp	202		9.232					
134 1,3,5-Trinitrobenzene	213		9.315					9
135 Diallate Peak 1	86		9.356					
136 Phenacetin	108		9.362					9
137 Phorate	121		9.367					9
139 4-Bromophenyl phenyl ether	248	9.402	9.402	0.0	62	182740	4.98	
138 Diallate Peak 2	86		9.438					9
141 Hexachlorobenzene	284	9.467	9.467	0.0	90	182901	4.91	
140 Dimethoate	87		9.514					
142 Atrazine	200	9.514	9.520	-0.006	94	386632	10.5	
144 Pentachlorophenol	266	9.626	9.626	0.0	93	243519	9.37	
143 4-Aminobiphenyl	169		9.661					
146 Pentachloronitrobenzene	237		9.673					9
145 Pronamide	173		9.691					
148 Dinoseb	211		9.802					9
147 Disulfoton	88		9.808					
149 Phenanthrene	178	9.820	9.820	0.0	97	932368	4.88	
150 Anthracene	178	9.867	9.867	0.0	97	948853	5.00	
151 DFTPP								
152 Carbazole	167	9.990	9.990	0.0	82	879471	5.03	
153 Methyl parathion	109		10.131					9
154 Diphenylsulfone	125		10.147					9
155 Di-n-butyl phthalate	149	10.249	10.254	-0.006	99	1035551	4.84	
156 Ethyl Parathion	97		10.454					9
157 4-Nitroquinoline-1-oxide	190		10.507					9
158 Methapyrilene	58		10.554					9
159 Isodrin	66		10.748					9
160 Fluoranthene	202	10.836	10.836	0.0	98	1101611	4.89	
161 Benzidine	184	10.936	10.936	0.0	99	1021127	10.9	
162 Pyrene	202	11.053	11.054	-0.001	95	1163073	5.02	
168 4,4'-DDE	246		11.112					9
29 3-Chloropropionitrile	54		11.148					
163 Aramite Peak 1	185		11.171					
164 Aramite Peak 2	185		11.242					
165 p-Dimethylamino azobenzene	225		11.353					9
166 Chlorobenzilate	139		11.389					
167 4,4'-DDD	235		11.447					9
28 Ethyl methacrylate	69		11.477					
170 Butyl benzyl phthalate	149	11.659	11.659	0.0	97	438329	4.96	
171 3,3'-Dimethylbenzidine	212		11.712					9
172 4,4'-DDT	235		11.782					9
173 2-Acetylaminofluorene	181		12.006					
169 Famphur	218		12.223					9
178 Hexabromobenzene	232	12.387	12.319	0.068	1	39583	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
177 3,3'-Dichlorobenzidine	252	12.317	12.323	-0.006	66	778768	10.6	
175 Bis(2-ethylhexyl) phthalate	149	12.346	12.352	-0.006	96	636555	5.12	
179 Benzo[a]anthracene	228	12.370	12.376	-0.006	94	1082474	4.85	
176 4,4'-Methylene bis(2-chloroanili	231		12.382					9
180 Chrysene	228	12.422	12.423	-0.001	91	989794	4.83	
181 6-Methylchrysene	242		13.104					
182 Di-n-octyl phthalate	149	13.274	13.280	-0.006	100	967998	4.54	
184 Benzo[b]fluoranthene	252	13.903	13.909	-0.006	88	904385	4.66	
185 Benzo[k]fluoranthene	252	13.944	13.950	-0.006	90	1075715	5.09	
183 7,12-Dimethylbenz(a)anthracene	256		13.962					
186 Benzo[a]pyrene	252	14.408	14.414	-0.006	75	925807	5.14	
187 3-Methylcholanthrene	268		15.037					
188 Dibenz[a,j]acridine	279		15.657					
189 Dibenz[a,h]acridine	279		15.895					
190 Indeno[1,2,3-cd]pyrene	276	16.177	16.189	-0.012	98	991332	5.01	
191 Dibenz(a,h)anthracene	278	16.212	16.218	-0.006	81	825641	5.01	
192 Benzo[g,h,i]perylene	276	16.641	16.647	-0.006	92	843149	5.00	
S 193 Methyl Phenols,Total	100				0		10.0	
S 194 Isosafrole	162		5.161					7
S 195 Diallate	86		6.289					7
S 196 Aramite, Total	185		7.806					7
T 197 Decane TIC	57	5.754	0.0	5.754	91	322656	0	
T 198 Hydroquinone TIC	110		0.000					1
T 238 Trimethyl phosphate TIC	110	4.132	4.004	0.132	0	181	0	
T 200 Hexamethylphosphoramide TIC	135	7.270	7.206	0.070	1	602	0	
T 248 2,3,7,8 TCDF TIC	322		8.600					1
T 202 Hexachlorophene TIC	198		8.600					1
T 201 Kepone TIC	272		8.600					
T 19 2,3,7,8-TCDD	320	8.762	8.808	-0.038	1	139	0	
T 199 Octadecane (TIC)	254	9.649	9.605	0.049	97	397332	0	
T 241 Triphenyl Phosphate TIC	326	12.293	12.261	0.043	0	68	0	
T 240 Tricresyl phosphate TIC	368	12.393	12.762	-0.357	0	156	0	
T 237 Tris(2,3-dibromopropyl)phosphate	201	14.491	14.511	-0.009	0	208	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

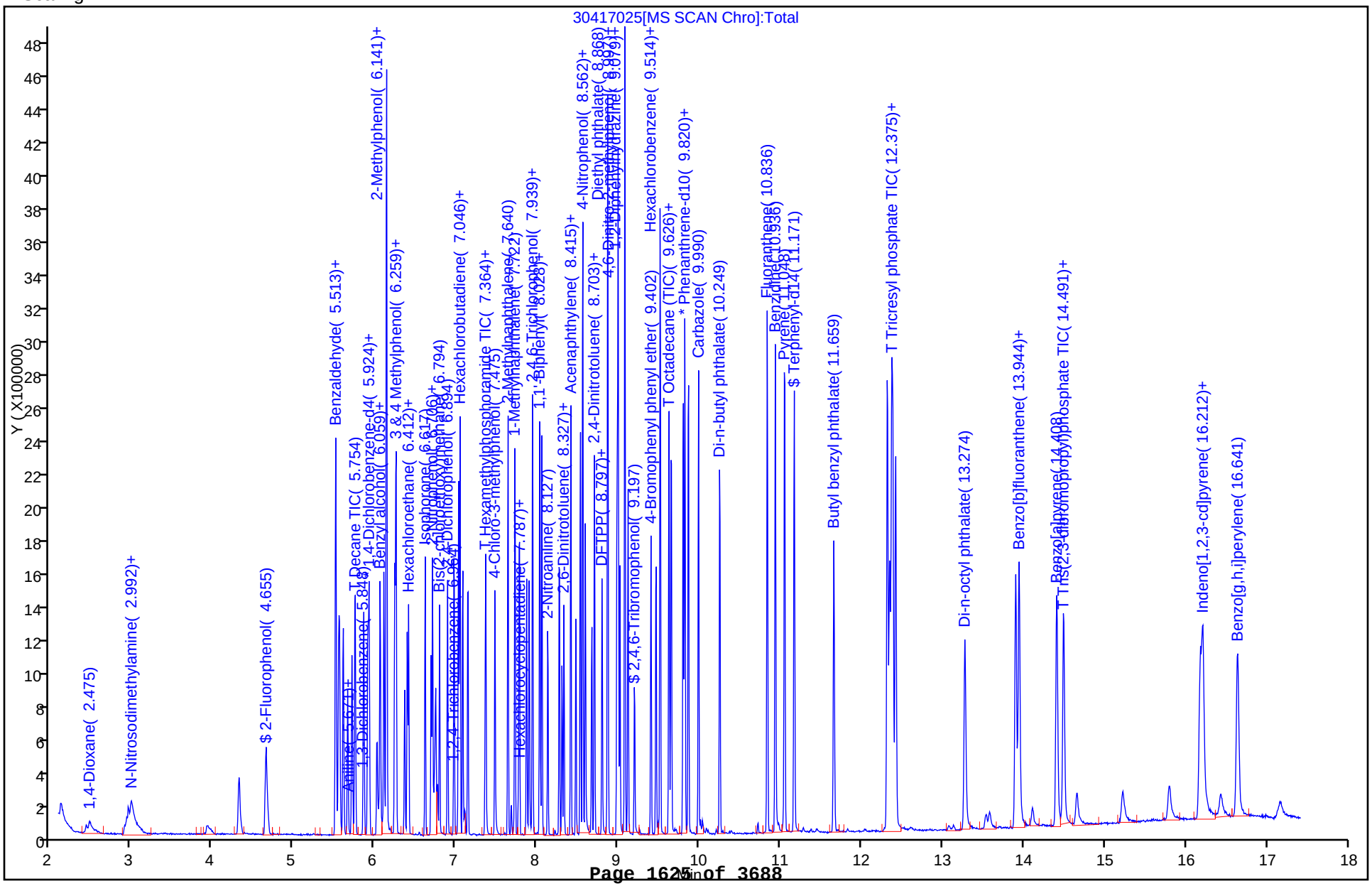
Report Date: 18-Apr-2013 13:47:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A4HP10\20130417-18951.b\30417025.D

Injection Date:	17-Apr-2013 19:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

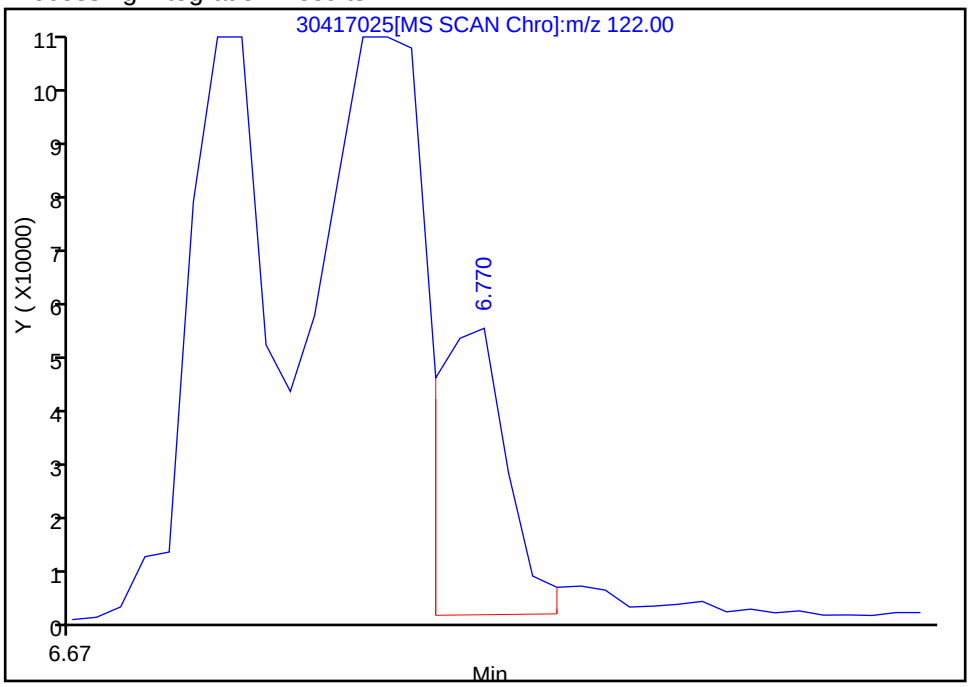
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A4HP10\20130417-18951.b\30417025.D		
Injection Date:	17-Apr-2013 19:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP10
Lims Batch ID:	82293	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

70 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.76

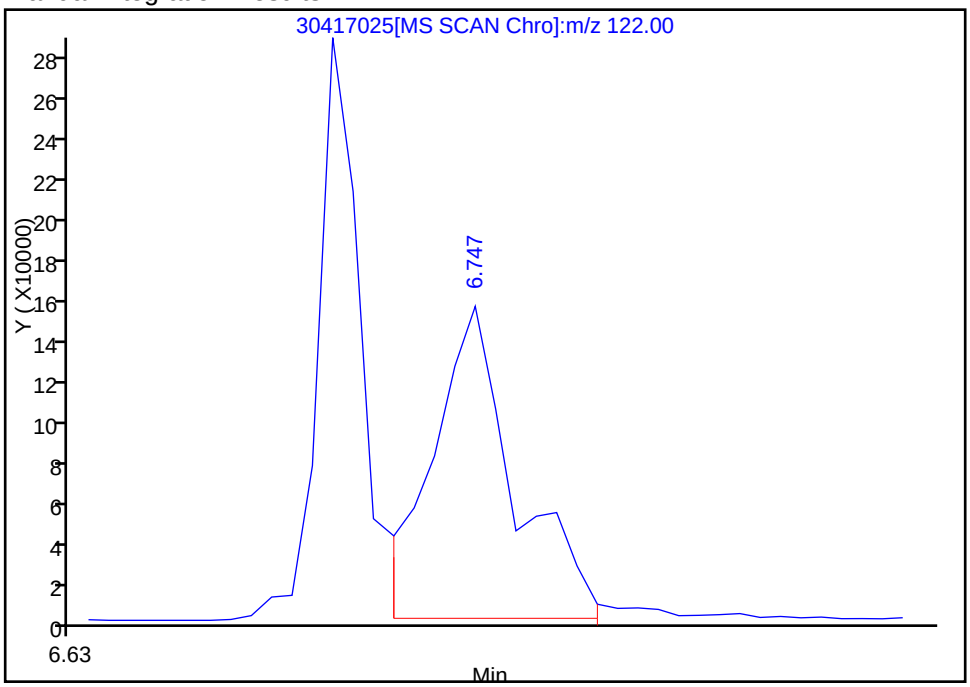
Processing Integration Results

RT: 6.77
Response: 64750
Amount: 2.747574



Manual Integration Results

RT: 6.75
Response: 258900
Amount: 9.167294



Reviewer: gruberj, 18-Apr-2013 10:38:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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

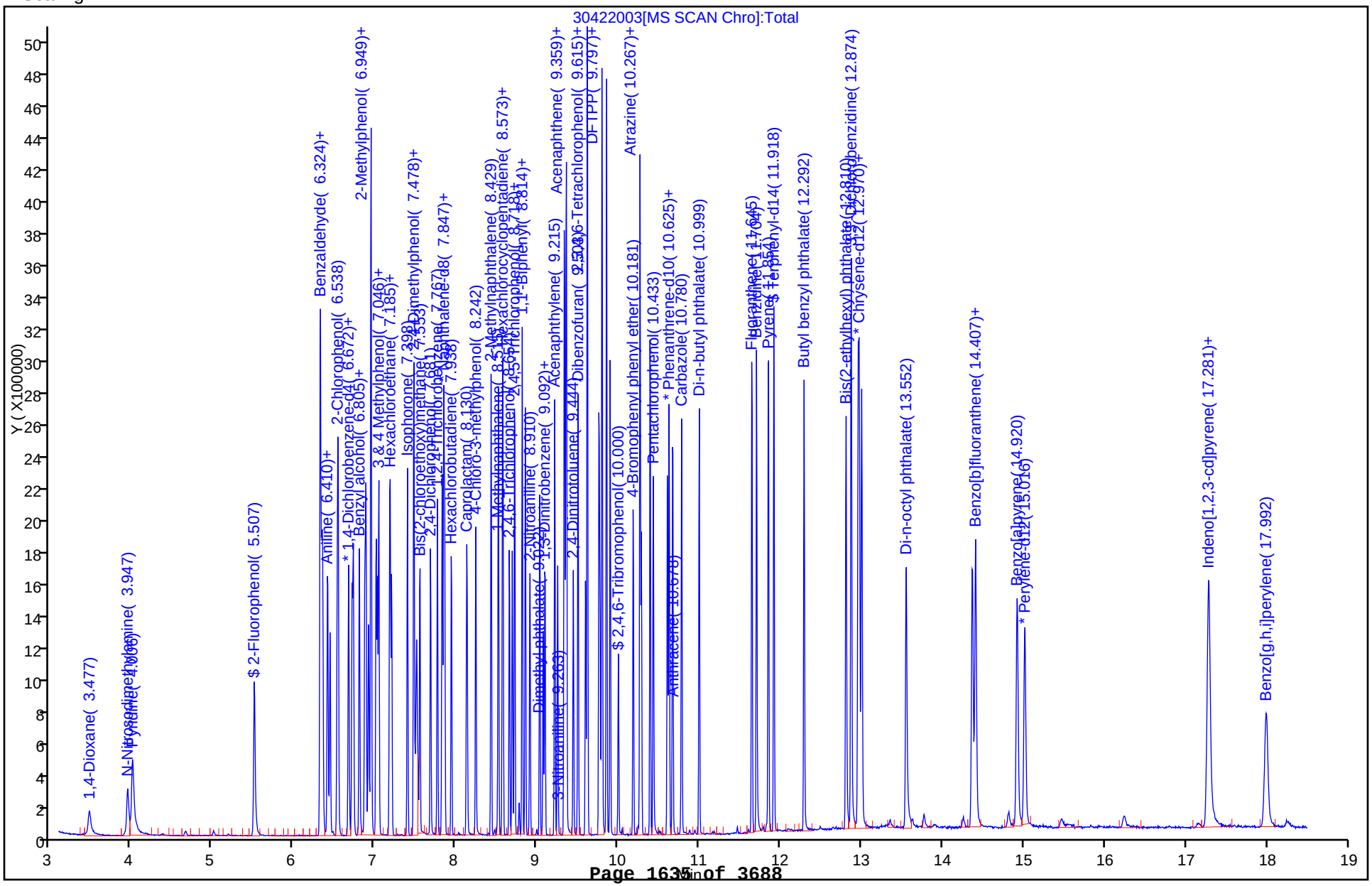
Report Date: 22-Apr-2013 13:29:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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

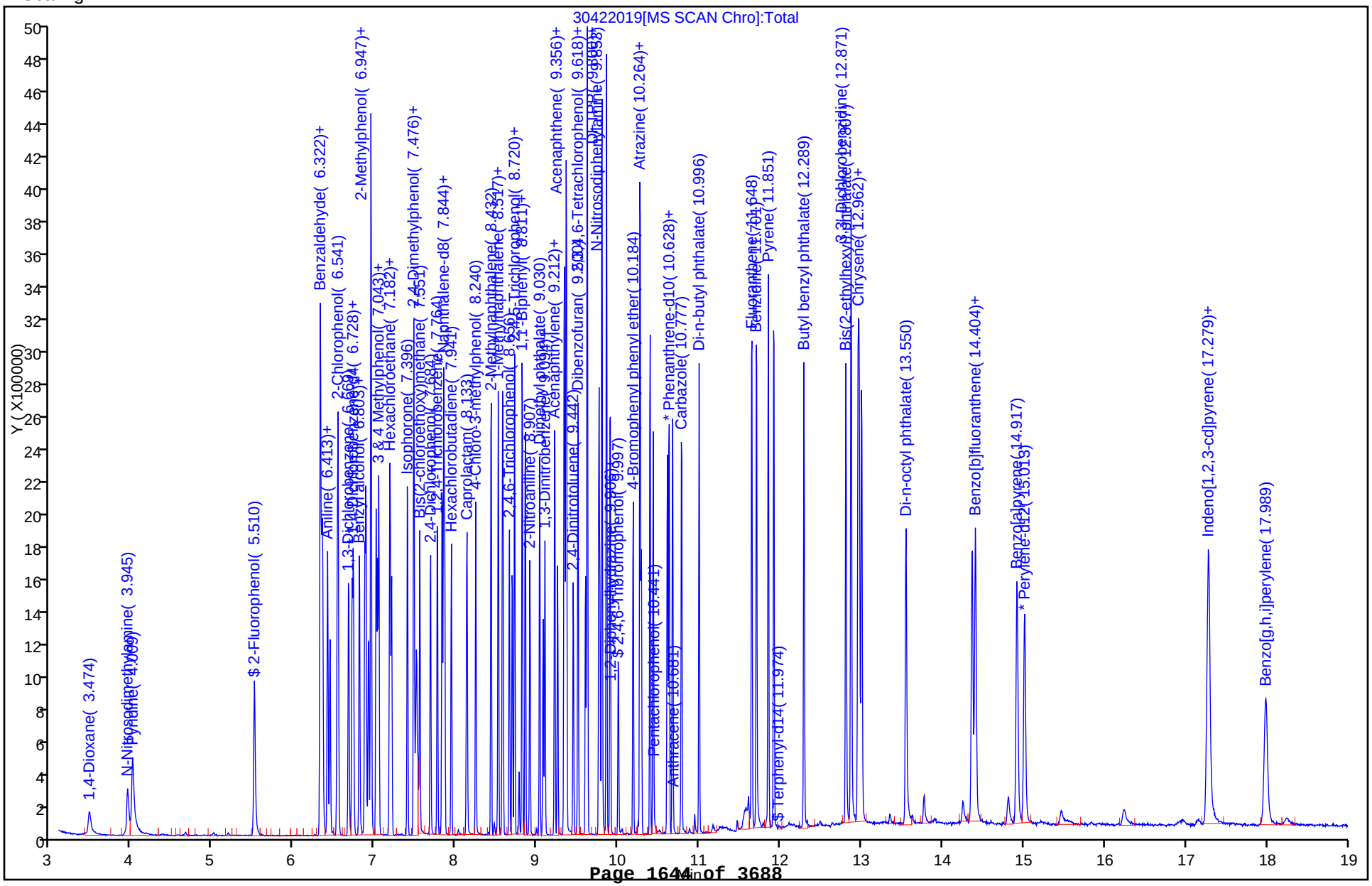
Report Date: 23-Apr-2013 08:13:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/3

Matrix: Solid | Lab File ID: 30423003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 10:17

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.11		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.04		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.17		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.93		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.01		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	5.50		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.75	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.29		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.78		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.00		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.81		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.83		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	4.64		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.35		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.78		0.0020	0.00080	0.00080
86-74-8	Carbazole	4.91		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.12		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	4.91		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.04		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.94		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.96		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.95		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.53		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.97		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.10		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.02		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.91		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.1		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.94		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.99		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.91		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.35		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.95		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/3

Matrix: Solid | Lab File ID: 30423003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 10:17

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	9.76		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	10.5		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.24		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.50		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.06		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.08		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.11		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.68		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.09		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.20		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.06		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.29		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.86		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.99		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.93		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.88		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.00		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.27		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.59		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.48		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.05		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.11		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	10.2		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.87		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	10.8		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.81		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.97		0.00020	0.00010	0.00010
108-95-2	Phenol	4.84		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.26		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.08		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.50		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.05		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/3

Matrix: Solid | Lab File ID: 30423003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 10:17

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	99		50-150
367-12-4	2-Fluorophenol (Surr)	96		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	98		50-150
4165-62-2	Phenol-d5 (Surr)	98		50-150
1718-51-0	Terphenyl-d14 (Surr)	97		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	105		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	23-Apr-2013 10:17:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0019166-003		
Misc. Info.:	MRL QC =MRL QC		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	83126	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m		
Last Update:	23-Apr-2013 14:35:28	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 10:46:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.694	6.694	0.0	92	161213	4.00	
* 2 Naphthalene-d8	136	7.805	7.805	0.0	98	654722	4.00	
* 3 Acenaphthene-d10	164	9.312	9.311	0.001	88	372214	4.00	
* 4 Phenanthrene-d10	188	10.583	10.588	-0.005	96	532903	4.00	
* 5 Chrysene-d12	240	12.944	12.949	-0.005	80	720507	4.00	
* 6 Perylene-d12	264	14.969	14.969	0.0	94	552308	4.00	
$ 7 2-Fluorophenol	112	5.487	5.486	0.001	93	314270	4.80	
$ 8 Phenol-d5	99	6.320	6.320	0.0	94	431036	4.90	
$ 9 Nitrobenzene-d5	82	7.164	7.169	-0.005	85	474911	4.92	
$ 10 2-Fluorobiphenyl (Surr)	172	8.703	8.702	0.001	99	550954	4.97	
$ 11 2,4,6-Tribromophenol	330	9.979	9.984	-0.005	84	63191	5.25	
$ 12 Terphenyl-d14	244	11.897	11.897	0.0	96	628299	4.87	
244 n-Octadecane	57		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	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	3.419	3.408	0.011	90	166270	5.06	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	3.900	3.894	0.006	79	272423	5.02	M
27 Pyridine	79	3.964	3.958	0.006	93	450257	4.97	M
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77	6.304	6.304	0.0	88	705795	10.1	
120 2-Naphthylamine	143		6.321					
43 Phenol	94	6.331	6.336	-0.005	92	438380	4.84	
44 Aniline	93	6.395	6.395	0.001	96	573300	4.90	
69 Bis(2-chloroethyl)ether	93	6.421	6.427	-0.006	95	390305	4.81	
122 Thionazin	97		6.433					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.512	6.512	0.0	90	257099	4.94	
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146	6.651	6.651	0.0	87	273889	5.02	
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146	6.710	6.710	0.0	78	275937	4.91	
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108	6.785	6.784	0.001	84	194210	4.78	
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					
50 1,2-Dichlorobenzene	146	6.854	6.854	0.0	78	265895	5.10	
51 2-Methylphenol	108	6.870	6.870	0.0	94	283409	4.93	
230 Diallate Peak 2	86		6.882					9
53 2,2'-oxybis[1-chloropropane]	45	6.897	6.897	0.0	95	366545	4.83	
52 Indene	115	6.929	6.929	0.0	68	1061693	9.94	
140 Dimethoate	87		6.962					9
21 3 & 4 Methylphenol	108	6.993	6.993	0.0	94	292303	4.88	
57 N-Nitrosodi-n-propylamine	70	7.009	7.009	0.0	71	298297	4.87	
58 Acetophenone	105	7.025	7.025	0.0	79	463312	4.84	
129 4-Aminobiphenyl	169		7.101					9
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.159	7.158	0.001	81	134829	5.06	
62 Nitrobenzene	77	7.185	7.185	0.0	79	441427	5.05	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.378	7.377	0.001	96	703199	4.86	
65 2,4-Dimethylphenol	107	7.458	7.458	0.0	94	301368	4.91	
66 2-Nitrophenol	139	7.463	7.463	0.0	77	132759	5.11	
71 Benzoic acid	122	7.490	7.506	-0.016	74	255742	8.75	M
70 Bis(2-chloroethoxy)methane	93	7.533	7.532	0.001	98	418606	5.00	
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.666	7.666	0.0	90	198512	4.94	
74 1,2,4-Trichlorobenzene	180	7.746	7.751	-0.005	84	233950	5.08	
75 Naphthalene	128	7.826	7.826	0.0	97	791450	5.00	
76 4-Chloroaniline	127	7.837	7.837	0.0	72	426590	5.12	
155 Ethyl Parathion	97		7.892					9
79 Hexachlorobutadiene	225	7.923	7.922	0.001	90	138673	5.09	
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.110	8.120	-0.010	80	177438	9.95	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.222	8.222	0.0	83	268604	4.91	
87 2-Methylnaphthalene	142	8.409	8.414	-0.005	86	498131	4.99	
88 1-Methylnaphthalene	142	8.500	8.499	0.001	80	458639	4.92	
89 Hexachlorocyclopentadiene	237	8.553	8.553	0.0	89	154586	5.20	
91 1,2,4,5-Tetrachlorobenzene	216	8.558	8.558	0.0	92	221954	5.19	
226 Aramite Peak 1	185		8.565					9
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	8.638	8.638	0.0	88	136818	5.05	
93 2,4,5-Trichlorophenol	196	8.671	8.676	-0.006	89	152000	5.50	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.793	8.793	0.0	96	621965	5.01	
100 2-Chloronaphthalene	162	8.831	8.836	-0.005	98	465772	5.04	
102 2-Nitroaniline	65	8.890	8.889	0.001	71	214729	5.27	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.012	9.012	0.0	95	518023	5.35	
106 1,3-Dinitrobenzene	168	9.055	9.055	0.0	80	84411	5.36	
107 2,6-Dinitrotoluene	165	9.077	9.076	0.0	61	122950	5.50	
109 Acenaphthylene	152	9.194	9.194	0.0	85	720953	5.04	
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138	9.231	9.231	0.0	87	134344	5.59	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.317	9.317	0.0	72	131774	10.5	
113 4-Nitrophenol	109	9.333	9.338	-0.005	88	203355	10.2	
112 Acenaphthene	153	9.338	9.343	-0.005	93	461261	5.11	
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165	9.424	9.429	-0.005	74	149018	5.24	
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168	9.483	9.482	0.001	84	646861	4.97	
119 2,3,4,6-Tetrachlorophenol	232	9.579	9.578	0.001	70	118461	5.51	
121 Diethyl phthalate	149	9.600	9.600	0.0	94	450702	4.99	
123 4-Chlorophenyl phenyl ether	204	9.744	9.744	0.0	94	252933	4.96	
125 4-Nitroaniline	138	9.755	9.755	0.0	77	112246	4.48	
126 Fluorene	166	9.776	9.776	0.0	79	521905	5.11	
128 4,6-Dinitro-2-methylphenol	198	9.782	9.781	0.001	75	173889	9.76	
131 N-Nitrosodiphenylamine	169	9.835	9.835	0.0	99	676172	10.8	
132 1,2-Diphenylhydrazine	77	9.878	9.878	0.0	99	826763	5.34	
133 Azobenzene	77	9.878	9.878	0.0	95	826763	5.34	
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248	10.166	10.166	0.0	70	126652	5.35	
142 Atrazine	200	10.246	10.252	-0.006	80	275962	9.86	
141 Hexachlorobenzene	284	10.262	10.268	-0.006	78	137078	5.68	
143 Pentachlorophenol	266	10.412	10.412	0.0	78	151857	9.81	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178	10.604	10.604	0.0	98	654033	4.97	
149 Anthracene	178	10.647	10.652	-0.005	87	672516	5.17	
150 DFTPP								
151 Carbazole	167	10.759	10.759	0.0	83	621826	4.91	
154 Di-n-butyl phthalate	149	10.978	10.978	0.0	99	769907	4.95	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.625	11.624	0.001	99	807717	5.08	
160 Benzidine	184	11.683	11.683	0.0	97	689824	9.80	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.828	11.833	-0.005	96	837090	5.26	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149	12.271	12.271	0.0	89	346403	4.78	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					
173 Bis(2-ethylhexyl) phthalate	149	12.784	12.784	0.0	93	450136	4.64	
175 3,3'-Dichlorobenzidine	252	12.843	12.848	-0.005	70	552316	10.1	
177 Benzo[a]anthracene	228	12.928	12.933	-0.005	90	839172	4.93	
178 Chrysene	228	12.971	12.976	-0.005	94	811891	4.95	
180 Di-n-octyl phthalate	149	13.521	13.521	0.0	100	716662	4.06	
182 Benzo[b]fluoranthene	252	14.328	14.328	0.0	93	707072	4.95	
183 Benzo[k]fluoranthene	252	14.365	14.370	-0.005	99	856940	5.29	
184 Benzo[a]pyrene	252	14.873	14.878	-0.005	76	700848	5.01	
189 Dibenz(a,h)anthracene	278	17.218	17.223	-0.005	60	638958	5.53	
188 Indeno[1,2,3-cd]pyrene	276	17.213	17.223	-0.010	86	751383	5.29	
190 Benzo[g,h,i]perylene	276	17.912	17.917	-0.005	88	644591	5.50	
S 191 Methyl Phenols,Total	100				0		9.81	
S 245 Total Cresols	100				0		9.81	
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	6.523	5.803	0.723	95	360119	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	10.375	9.598	0.775	91	342599	0	
T 196 Kepone TIC	272	10.412	10.094	0.312	1	4401	0.0244	
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198	12.939	12.998	-0.061	1	13175	0.0954	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

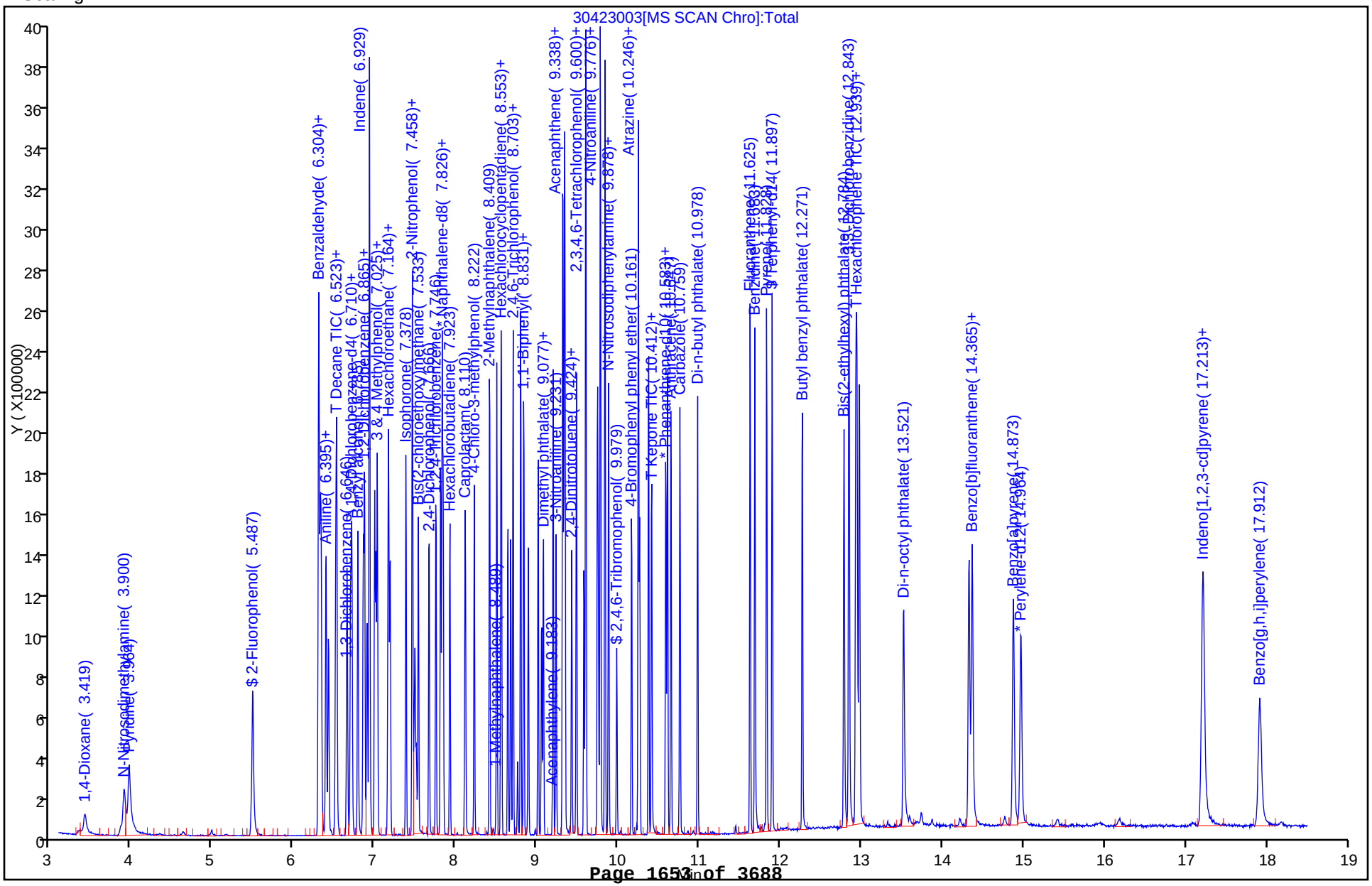
Report Date: 23-Apr-2013 14:35:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423003.D

Injection Date:	23-Apr-2013 10:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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

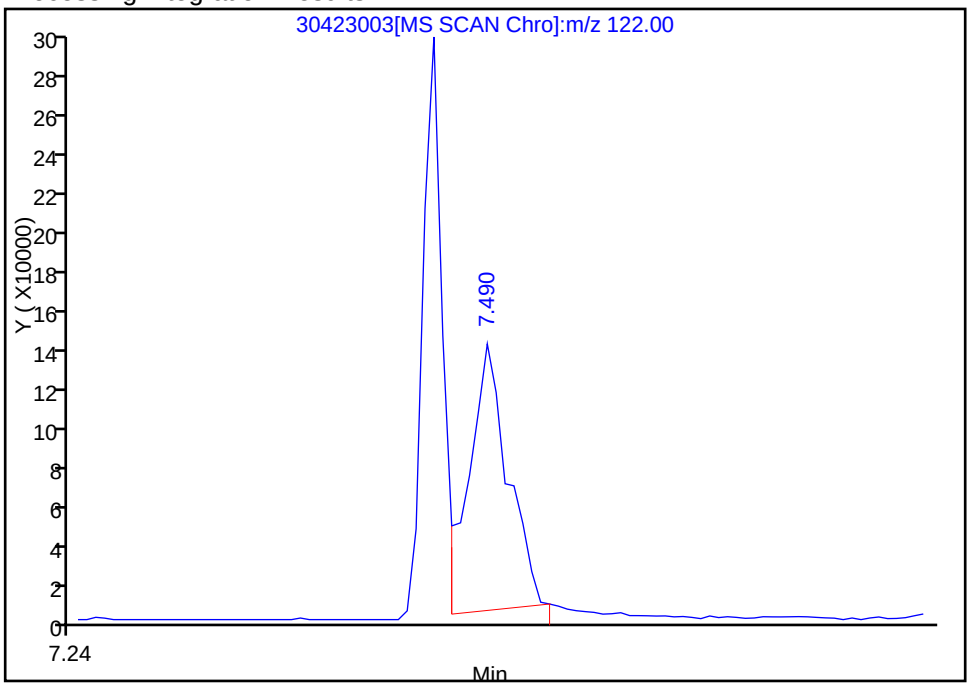
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423003.D		
Injection Date:	23-Apr-2013 10:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	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: 7.51

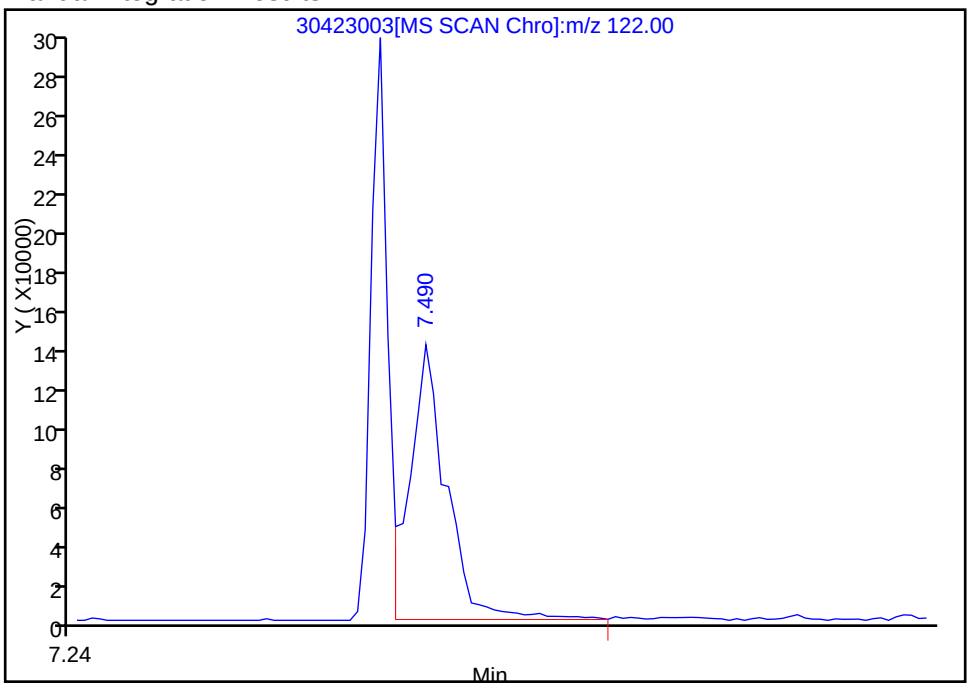
Processing Integration Results

RT: 7.49
Response: 223459
Amount: 7.827424



Manual Integration Results

RT: 7.49
Response: 255742
Amount: 8.751610



Reviewer: ulmanm, 23-Apr-2013 10:46:41
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/22

Matrix: Solid | Lab File ID: 30423022.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 18:27

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.96		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.12		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.10		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.01		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.90		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.90		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.61		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.04	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.65		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.89		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	4.65		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.78		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.87		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.45		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.44		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.14		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.04		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.05		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.94		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.94		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.17		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	5.54		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.05		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.97		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.98		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.91		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	11.1		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.02		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.97		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.85		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.44		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.55		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/22

Matrix: Solid | Lab File ID: 30423022.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 18:27

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	8.51		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	4.89	^	0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.29		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.47		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.69		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.24		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.08		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.50		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.02		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	3.32	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.88		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.41		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.94		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.94		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.95		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.04		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.77		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.33		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.75		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.96		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.84		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.01		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	9.93		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.02		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	10.8		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.60		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.87		0.00020	0.00010	0.00010
108-95-2	Phenol	4.84		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	4.82		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.19		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.95		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83126/22

Matrix: Solid | Lab File ID: 30423022.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/23/2013 18:27

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83126 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	98		50-150
367-12-4	2-Fluorophenol (Surr)	96		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)	99		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	107		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423022.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	23-Apr-2013 18:27:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0019166-022		
Misc. Info.:	MRL QCCL =MRL QCCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	83126	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\8270 _9.m		
Last Update:	24-Apr-2013 08:45:59	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:	XAWRK009		
First Level Reviewer: ulmanm		Date:	24-Apr-2013 08:32:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.695	6.694	0.001	93	234195	4.00	
* 2 Naphthalene-d8	136	7.806	7.805	0.001	99	981860	4.00	
* 3 Acenaphthene-d10	164	9.312	9.311	0.001	83	567135	4.00	
* 4 Phenanthrene-d10	188	10.584	10.588	-0.004	94	860220	4.00	
* 5 Chrysene-d12	240	12.945	12.949	-0.004	78	1160223	4.00	
* 6 Perylene-d12	264	14.970	14.969	0.001	93	1045059	4.00	
$ 7 2-Fluorophenol	112	5.487	5.486	0.001	94	457989	4.81	
$ 8 Phenol-d5	99	6.321	6.320	0.001	90	616316	4.82	
$ 9 Nitrobenzene-d5	82	7.165	7.169	-0.004	85	684710	4.73	
$ 10 2-Fluorobiphenyl (Surr)	172	8.703	8.702	0.001	99	831361	4.92	
$ 11 2,4,6-Tribromophenol	330	9.980	9.984	-0.004	85	97899	5.34	
$ 12 Terphenyl-d14	244	11.898	11.897	0.001	99	1027341	4.94	
13 Octachlorocyclopentene	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		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	3.399	3.408	-0.009	90	216150	4.53	
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	3.890	3.894	-0.004	81	383621	4.86	
27 Pyridine	79	3.954	3.958	-0.004	94	613539	4.66	
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					
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					
117 1-Naphthylamine	143		6.257					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77	6.305	6.304	0.001	86	988821	9.70	
120 2-Naphthylamine	143		6.321					
43 Phenol	94	6.331	6.336	-0.005	78	636990	4.84	
44 Aniline	93	6.390	6.395	-0.004	97	842050	4.96	
69 Bis(2-chloroethyl)ether	93	6.422	6.427	-0.005	96	548307	4.65	
122 Thionazin	97		6.433					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
127 Tributyl phosphate	99		6.434					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.513	6.512	0.001	91	373265	4.94	
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146	6.652	6.651	0.001	89	394894	4.98	
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146	6.711	6.710	0.001	79	400306	4.91	
135 1,3,5-Trinitrobenzene	213		6.775					
49 Benzyl alcohol	108	6.785	6.784	0.001	84	288591	4.89	
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146	6.855	6.854	0.001	88	376833	4.97	
51 2-Methylphenol	108	6.866	6.870	-0.004	94	413396	4.95	
230 Diallate Peak 2	86		6.882					9
53 2,2'-oxybis[1-chloropropane]	45	6.898	6.897	0.001	95	527157	4.78	
52 Indene	115	6.930	6.929	0.001	69	1501197	9.67	
140 Dimethoate	87		6.962					9
21 3 & 4 Methylphenol	108	6.994	6.993	0.001	94	438142	5.04	
57 N-Nitrosodi-n-propylamine	70	7.010	7.009	0.001	73	446125	5.02	
58 Acetophenone	105	7.026	7.025	0.001	78	681897	4.91	
129 4-Aminobiphenyl	169		7.101					9
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.159	7.158	0.001	82	188998	4.88	
62 Nitrobenzene	77	7.186	7.185	0.001	76	634566	4.84	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.378	7.377	0.001	96	1071776	4.94	
65 2,4-Dimethylphenol	107	7.459	7.458	0.001	95	445949	4.85	
66 2-Nitrophenol	139	7.464	7.463	0.001	81	195347	5.01	
71 Benzoic acid	122	7.496	7.506	-0.010	79	346317	8.04	M
70 Bis(2-chloroethoxy)methane	93	7.533	7.532	0.001	96	625034	4.98	
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.667	7.666	0.001	93	302609	5.02	
74 1,2,4-Trichlorobenzene	180	7.747	7.751	-0.004	86	333023	4.82	
75 Naphthalene	128	7.827	7.826	0.001	97	1133453	4.77	
76 4-Chloroaniline	127	7.838	7.837	0.001	74	629729	5.04	
155 Ethyl Parathion	97		7.892					
79 Hexachlorobutadiene	225	7.923	7.922	0.001	89	205062	5.02	
156 4-Nitroquinoline-1-oxide	190		7.934					9
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.116	8.120	-0.004	79	270934	10.1	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.222	8.222	0.0	85	414397	5.05	
87 2-Methylnaphthalene	142	8.409	8.414	-0.005	85	739259	4.94	
88 1-Methylnaphthalene	142	8.500	8.499	0.001	80	684182	4.89	
89 Hexachlorocyclopentadiene	237	8.548	8.553	-0.005	92	150427	3.32	
91 1,2,4,5-Tetrachlorobenzene	216	8.559	8.558	0.001	93	324774	4.98	
226 Aramite Peak 1	185		8.565					9
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	8.639	8.638	0.001	89	204575	4.95	
93 2,4,5-Trichlorophenol	196	8.671	8.676	-0.005	88	218781	5.19	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.794	8.793	0.001	95	925985	4.90	
100 2-Chloronaphthalene	162	8.831	8.836	-0.005	98	695546	4.94	
102 2-Nitroaniline	65	8.890	8.889	0.001	71	331074	5.33	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.013	9.012	0.001	95	802519	5.44	
106 1,3-Dinitrobenzene	168	9.056	9.055	0.001	81	134266	5.60	
107 2,6-Dinitrotoluene	165	9.077	9.076	0.001	62	186178	5.47	
109 Acenaphthylene	152	9.195	9.194	0.001	86	1115044	5.12	
171 2-Acetylaminofluorene	181		9.211					
110 3-Nitroaniline	138	9.232	9.231	0.001	86	210405	5.75	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.318	9.317	0.001	60	80302	4.89	
113 4-Nitrophenol	109	9.334	9.338	-0.004	84	300728	9.93	
112 Acenaphthene	153	9.339	9.343	-0.004	95	682328	4.96	
176 Hexabromobenzene	232		9.394					
114 2,4-Dinitrotoluene	165	9.424	9.429	-0.005	78	229172	5.29	
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
116 Dibenzofuran	168	9.483	9.482	0.001	85	1001840	5.05	
119 2,3,4,6-Tetrachlorophenol	232	9.579	9.578	0.001	72	177127	5.40	
121 Diethyl phthalate	149	9.601	9.600	0.001	95	683361	4.97	
123 4-Chlorophenyl phenyl ether	204	9.740	9.744	-0.004	95	401566	5.17	
125 4-Nitroaniline	138	9.756	9.755	0.001	78	192869	4.96	
126 Fluorene	166	9.777	9.776	0.001	79	790486	5.08	
128 4,6-Dinitro-2-methylphenol	198	9.782	9.781	0.001	75	240525	8.51	
131 N-Nitrosodiphenylamine	169	9.836	9.835	0.001	99	1096711	10.8	
132 1,2-Diphenylhydrazine	77	9.879	9.878	0.001	98	1280183	5.12	
133 Azobenzene	77	9.879	9.878	0.001	95	1280428	5.12	
179 6-Methylchrysene	242		9.890					
139 4-Bromophenyl phenyl ether	248	10.162	10.166	-0.004	72	208129	5.45	
142 Atrazine	200	10.247	10.252	-0.005	84	470105	10.4	
141 Hexachlorobenzene	284	10.263	10.268	-0.005	86	214089	5.50	
143 Pentachlorophenol	266	10.413	10.412	0.001	81	239486	9.60	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
148 Phenanthrene	178	10.605	10.604	0.001	94	1033694	4.87	
149 Anthracene	178	10.648	10.652	-0.004	99	1070877	5.10	
150 DFTPP								
151 Carbazole	167	10.760	10.759	0.001	83	1052466	5.14	
154 Di-n-butyl phthalate	149	10.979	10.978	0.001	100	1403121	5.55	
185 3-Methylcholanthrene	268		11.188					9
159 Fluoranthene	202	11.625	11.624	0.001	99	1344171	5.24	
160 Benzidine	184	11.684	11.683	0.001	98	1446059	12.8	
186 Dibenz[a,j]acridine	279		11.740					9
161 Pyrene	202	11.828	11.833	-0.005	95	1392968	5.44	
187 Dibenz[a,h]acridine	279		11.909					9
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.129					
168 Butyl benzyl phthalate	149	12.266	12.271	-0.005	90	635389	5.44	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.407					
173 Bis(2-ethylhexyl) phthalate	149	12.779	12.784	-0.005	94	917055	5.87	
175 3,3'-Dichlorobenzidine	252	12.843	12.848	-0.005	71	980327	11.1	
177 Benzo[a]anthracene	228	12.929	12.933	-0.004	89	1374152	5.01	
178 Chrysene	228	12.972	12.976	-0.004	94	1321298	5.01	
180 Di-n-octyl phthalate	149	13.517	13.521	-0.004	100	1586272	4.69	
182 Benzo[b]fluoranthene	252	14.329	14.328	0.001	96	1322991	4.90	
183 Benzo[k]fluoranthene	252	14.366	14.370	-0.004	98	1424703	4.65	
184 Benzo[a]pyrene	252	14.873	14.878	-0.005	75	1297494	4.90	
189 Dibenz(a,h)anthracene	278	17.219	17.223	-0.004	65	1211866	5.54	
188 Indeno[1,2,3-cd]pyrene	276	17.213	17.223	-0.010	93	1453632	5.41	
190 Benzo[g,h,i]perylene	276	17.918	17.917	0.001	92	1243416	5.61	
S 191 Methyl Phenols,Total	100				0		9.98	
S 245 Total Cresols	100				0		9.98	
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	6.524	5.800	0.724	95	508348	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	10.370	9.595	0.770	91	559129	0	
T 196 Kepone TIC	272	10.413	10.096	0.313	1	8060	0.0278	
T 239 Tris(2,3-dibromopropyl)phosphate	201	10.771	10.600	0.171	0	703	0	
T 197 Hexachlorophene TIC	198	12.972	13.000	-0.028	1	14797	0.0566	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

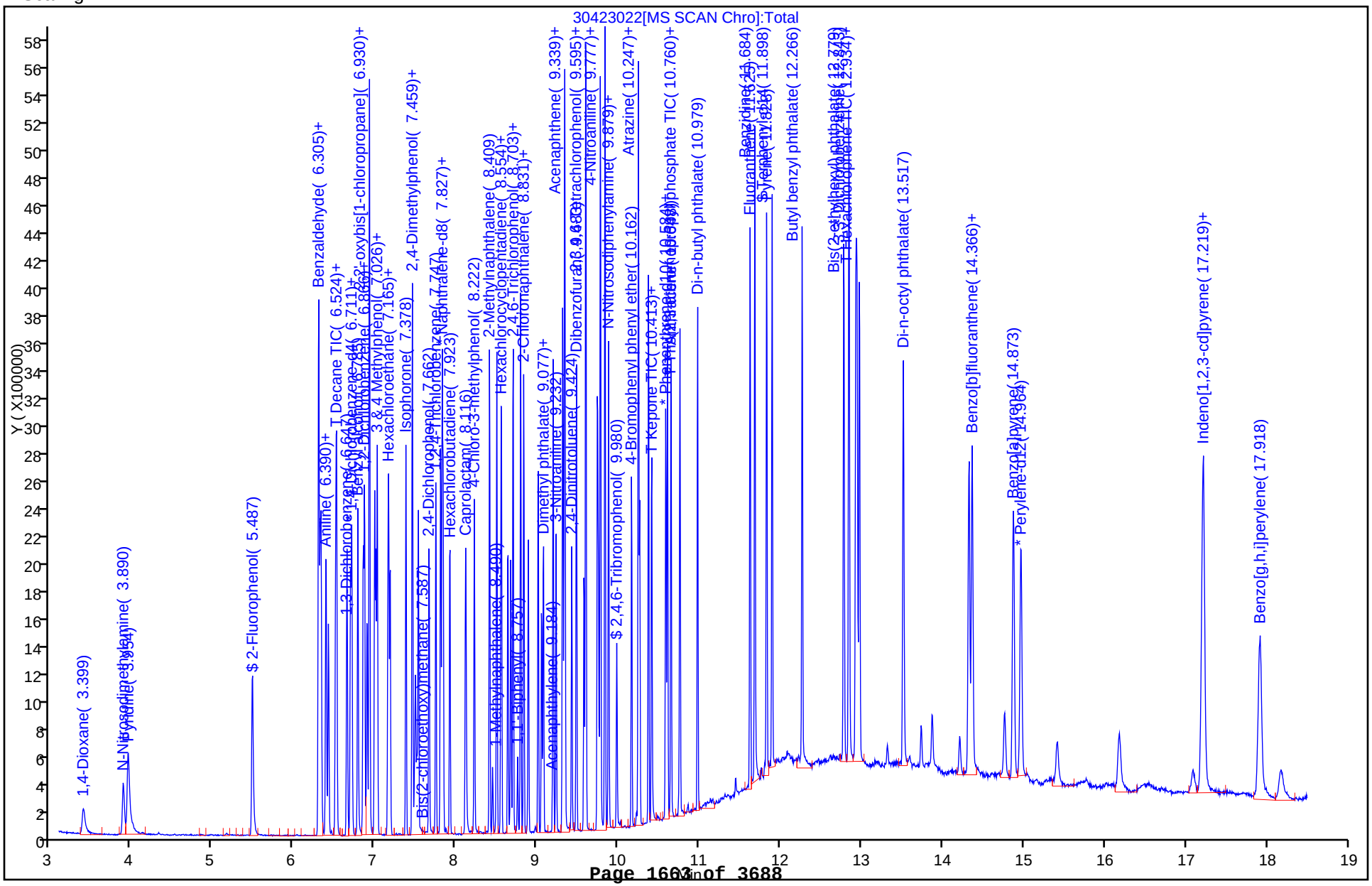
Report Date: 24-Apr-2013 08:46:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423022.D

Injection Date:	23-Apr-2013 18:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	22
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

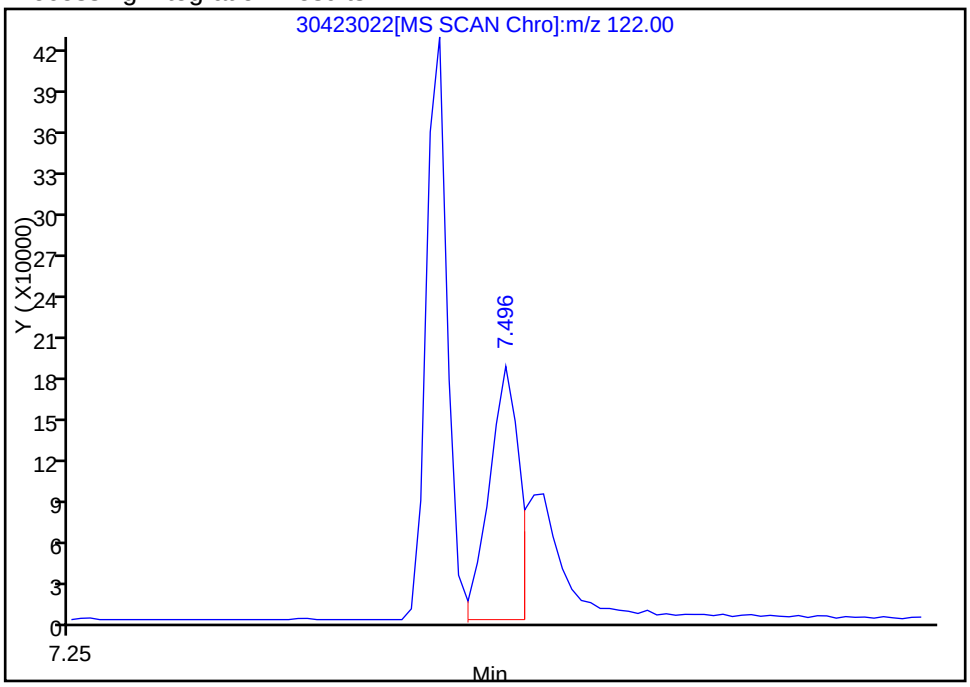
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130423-19166.b\30423022.D		
Injection Date:	23-Apr-2013 18:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83126	Lims Sample ID:	22
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: 7.51

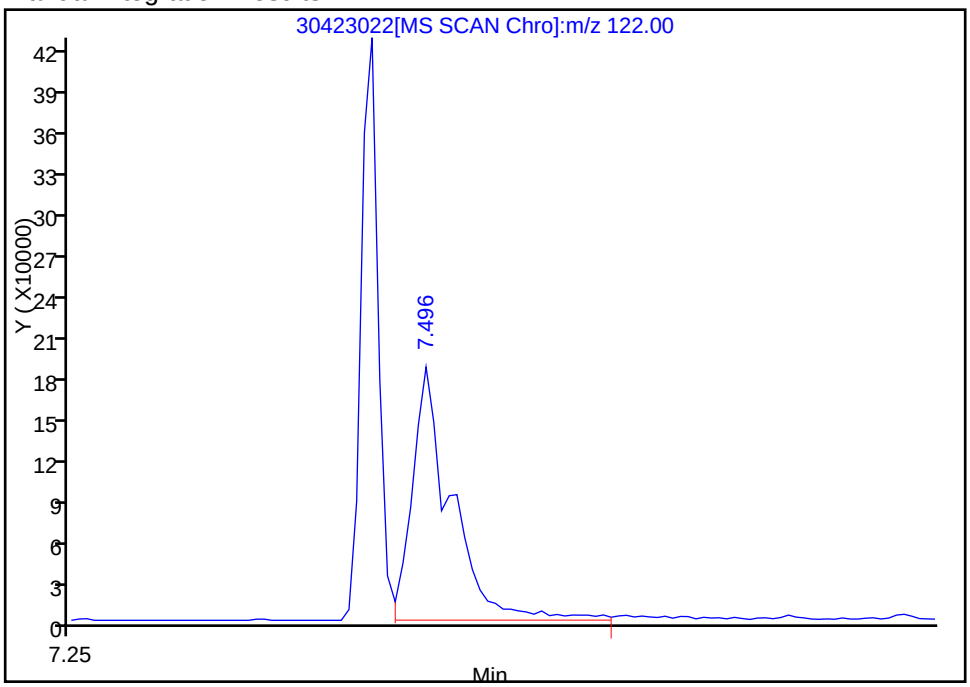
Processing Integration Results

RT: 7.50
Response: 219861
Amount: 5.627341



Manual Integration Results

RT: 7.50
Response: 346317
Amount: 8.041314



Reviewer: ulmanm, 24-Apr-2013 08:32:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/3

Matrix: Solid | Lab File ID: 30428003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 15:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.09		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.21		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.17		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.07		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.13		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.02		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.58		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.60	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.09		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.60		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.32		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.46		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	5.47		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.76		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.72		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.67		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.13		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.17		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	5.25		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.36		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.96		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.15		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.49		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.96		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.30		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.19		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.17		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	11.1		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.11		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.47		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.17		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.30		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.17		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/3

Matrix: Solid | Lab File ID: 30428003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 15:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	9.27		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	11.2		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.57		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.50		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.87		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.01		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.96		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.47		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.71		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.01		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.10		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.34		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.20		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.86		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.45		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.51		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.98		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.70		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	6.05		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.41		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.13		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.29		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	11.5		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.35		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	9.71		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.77		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.96		0.00020	0.00010	0.00010
108-95-2	Phenol	5.50		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.69		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	5.41		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.37		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/3

Matrix: Solid | Lab File ID: 30428003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 15:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		50-150
367-12-4	2-Fluorophenol (Surr)	105		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	98		50-150
4165-62-2	Phenol-d5 (Surr)	107	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	101		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428003.D
Lims ID: mrl qc Client ID:
Inject. Date: 28-Apr-2013 15:38:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019340-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 83882 Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 30-Apr-2013 10:28:35 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: ulmanm Date: 28-Apr-2013 16:03:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.643	6.642	0.001	75	206269	4.00	
* 2 Naphthalene-d8	136	7.753	7.758	-0.005	99	875284	4.00	
* 3 Acenaphthene-d10	164	9.254	9.258	-0.004	87	447974	4.00	
* 4 Phenanthrene-d10	188	10.523	10.528	-0.005	96	781527	4.00	
* 5 Chrysene-d12	240	12.865	12.865	0.0	84	956754	4.00	
* 6 Perylene-d12	264	14.832	14.837	-0.005	97	788236	4.00	
$ 7 2-Fluorophenol	112	5.407	5.406	0.001	94	440582	5.26	
$ 8 Phenol-d5	99	6.272	6.272	0.0	94	599801	5.33	
$ 9 Nitrobenzene-d5	82	7.119	7.118	0.001	85	635031	4.92	
$ 10 2-Fluorobiphenyl (Surr)	172	8.648	8.648	0.0	98	678696	5.09	
$ 11 2,4,6-Tribromophenol	330	9.922	9.927	-0.005	81	73174	5.05	
$ 12 Terphenyl-d14	244	11.836	11.836	0.0	98	860784	5.02	
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
244 n-Octadecane	57		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88	2.872	2.877	-0.005	93	209549	4.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					
26 N-Nitrosodimethylamine	74	3.560	3.560	0.0	85	365845	5.27	
42 Phenylmercaptan	110		3.596					
27 Pyridine	79	3.632	3.632	0.0	92	600682	5.18	
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					
32 N-Nitrosomethylethylamine	88		4.844					
14 4-Methylcatechol	124		5.036					9
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					9
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					
41 Benzaldehyde	77	6.243	6.248	-0.005	88	970356	10.8	
43 Phenol	94	6.282	6.286	-0.004	91	637838	5.50	
44 Aniline	93	6.340	6.339	0.001	91	779088	5.21	
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93	6.368	6.373	-0.005	93	567120	5.46	
127 Tributyl phosphate	99		6.434					
46 2-Chlorophenol	128	6.460	6.460	0.0	89	356872	5.36	
47 1,3-Dichlorobenzene	146	6.599	6.599	0.0	88	362259	5.19	
48 1,4-Dichlorobenzene	146	6.657	6.657	0.0	83	371815	5.17	
49 Benzyl alcohol	108	6.739	6.739	0.0	87	290830	5.60	
50 1,2-Dichlorobenzene	146	6.801	6.801	0.0	86	353936	5.30	
51 2-Methylphenol	108	6.821	6.825	-0.004	94	401476	5.45	
53 2,2'-oxybis[1-chloropropane]	45	6.849	6.849	0.0	95	531595	5.47	
52 Indene	115	6.878	6.878	0.0	68	1443280	10.6	
56 N-Nitrosopyrrolidine	100		6.912					9
59 N-Nitrosomorpholine	56		6.940					9
21 3 & 4 Methylphenol	108	6.946	6.950	-0.004	95	422095	5.51	
57 N-Nitrosodi-n-propylamine	70	6.960	6.960	0.0	76	419138	5.35	
60 2-Toluidine	106		6.979					
58 Acetophenone	105	6.974	6.979	-0.005	76	645736	5.28	
61 Hexachloroethane	117	7.104	7.109	-0.005	87	173980	5.10	
62 Nitrobenzene	77	7.133	7.133	0.0	78	599977	5.13	
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82	7.330	7.330	0.0	96	1005609	5.20	
65 2,4-Dimethylphenol	107	7.407	7.412	-0.005	91	424120	5.17	
66 2-Nitrophenol	139	7.412	7.412	0.0	76	183592	5.29	
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122	7.446	7.460	-0.014	67	334894	8.60	M
70 Bis(2-chloroethoxy)methane	93	7.484	7.484	0.0	95	595826	5.32	
72 alpha,alpha-Dimethyl phenethylam	58		7.566					9
73 2,4-Dichlorophenol	162	7.614	7.614	0.0	92	274562	5.11	
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180	7.696	7.700	-0.004	86	301986	4.91	
75 Naphthalene	128	7.773	7.773	0.001	99	1055104	4.98	
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127	7.787	7.787	0.0	75	575376	5.17	
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225	7.869	7.869	0.0	93	171786	4.71	
118 2,3,5,6-Tetrachlorophenol	232		7.920					
82 Quinoline	129		8.018					9
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					9
84 Caprolactam	113	8.061	8.071	-0.010	80	262587	11.0	
86 4-Chloro-3-methylphenol	107	8.172	8.176	-0.004	85	370072	5.06	
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142	8.359	8.359	0.0	84	648040	4.86	
88 1-Methylnaphthalene	142	8.446	8.446	0.0	80	596449	4.78	
225 Isosafrole Peak 1	162		8.470					
89 Hexachlorocyclopentadiene	237	8.499	8.499	0.0	91	179199	5.01	
91 1,2,4,5-Tetrachlorobenzene	216	8.504	8.503	0.001	91	275669	5.36	
92 2,4,6-Trichlorophenol	196	8.585	8.585	0.0	89	175119	5.37	
93 2,4,5-Trichlorophenol	196	8.619	8.624	-0.005	87	180184	5.41	
227 Isosafrole Peak 2	162		8.662					9
98 1,1'-Biphenyl	154	8.739	8.744	-0.005	96	788206	5.28	
246 1-Chloronaphthalene	162	8.778	8.777	0.001	98	584856	0	
100 2-Chloronaphthalene	162	8.778	8.777	0.001	98	584238	5.25	
102 2-Nitroaniline	65	8.835	8.835	0.0	73	279620	5.70	
103 1,4-Naphthoquinone	158		8.878					9
104 1,4-Dinitrobenzene	168		8.902					
105 Dimethyl phthalate	163	8.956	8.960	-0.004	94	617961	5.30	
106 1,3-Dinitrobenzene	168	8.999	8.999	0.0	80	105820	5.58	
107 2,6-Dinitrotoluene	165	9.023	9.023	0.0	63	147962	5.50	
109 Acenaphthylene	152	9.138	9.138	0.0	93	897522	5.21	
110 3-Nitroaniline	138	9.177	9.177	0.0	87	174808	6.05	
111 2,4-Dinitrophenol	184	9.263	9.263	0.0	74	172171	11.2	
112 Acenaphthene	153	9.283	9.287	-0.004	94	552957	5.09	
113 4-Nitrophenol	109	9.283	9.287	-0.004	83	275373	11.5	
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165	9.369	9.374	-0.005	78	190599	5.57	
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168	9.427	9.427	0.0	85	776306	4.96	
117 1-Naphthylamine	143		9.455					9
120 2-Naphthylamine	143		9.518					9
119 2,3,4,6-Tetrachlorophenol	232	9.518	9.523	-0.005	77	145283	5.61	
121 Diethyl phthalate	149	9.547	9.547	0.0	95	594579	5.47	
122 Thionazin	97		9.595					
124 N-Nitro-o-toluidine	152		9.667					
123 4-Chlorophenyl phenyl ether	204	9.687	9.686	0.001	92	304411	4.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138	9.696	9.701	-0.005	78	168661	5.41	
126 Fluorene	166	9.720	9.720	0.0	79	608751	4.96	
128 4,6-Dinitro-2-methylphenol	198	9.725	9.725	0.0	75	240679	9.27	
130 Diphenylamine	169	9.778	9.754	0.024	88	893626	8.16	
131 N-Nitrosodiphenylamine	169	9.778	9.782	-0.004	98	893626	9.71	
132 1,2-Diphenylhydrazine	77	9.821	9.821	0.0	99	1081504	4.76	
133 Azobenzene	77	9.821	9.821	0.0	94	1081774	4.77	
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					9
137 Phenacetin	108		9.975					9
228 Diallate Peak 1	86		9.984					
138 Phorate	121		9.994					
230 Diallate Peak 2	86		10.066					
139 4-Bromophenyl phenyl ether	248	10.105	10.109	-0.004	73	163814	4.72	
140 Dimethoate	87		10.138					9
142 Atrazine	200	10.191	10.196	-0.005	84	404603	9.85	
141 Hexachlorobenzene	284	10.206	10.206	0.0	89	157968	4.47	
129 4-Aminobiphenyl	169		10.297					9
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					9
143 Pentachlorophenol	266	10.355	10.355	0.0	80	196452	8.77	
146 Disulfoton	88		10.432					9
147 Dinoseb	211		10.441					
148 Phenanthrene	178	10.547	10.547	0.0	98	956380	4.96	
149 Anthracene	178	10.591	10.590	0.001	99	985596	5.17	
150 DFTPP								
151 Carbazole	167	10.701	10.701	0.0	83	953630	5.13	
152 Methyl parathion	109		10.759					9
154 Di-n-butyl phthalate	149	10.918	10.922	-0.004	100	1182788	5.17	
155 Ethyl Parathion	97		11.076					
156 4-Nitroquinoline-1-oxide	190		11.153					9
157 Methapyrilene	58		11.177					9
158 Isodrin	66		11.417					
159 Fluoranthene	202	11.562	11.567	-0.005	99	1166511	5.01	
160 Benzidine	184	11.620	11.624	-0.004	99	1102143	11.8	
226 Aramite Peak 1	185		11.740					9
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					9
161 Pyrene	202	11.764	11.769	-0.005	94	1201800	5.69	
229 Aramite Peak 2	185		11.802					
163 p-Dimethylamino azobenzene	225		11.922					9
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					9
168 Butyl benzyl phthalate	149	12.202	12.206	-0.004	89	545642	5.67	
170 4,4'-DDT	235		12.344					
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.706	12.711	-0.005	94	742982	5.76	
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252	12.769	12.769	0.0	68	809452	11.1	
177 Benzo[a]anthracene	228	12.851	12.851	0.001	90	1146108	5.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
178 Chrysene	228	12.894	12.894	0.0	93	1120790	5.15	
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149	13.423	13.428	-0.005	99	1244942	4.87	
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252	14.207	14.211	-0.004	94	1022099	5.02	
183 Benzo[k]fluoranthene	252	14.245	14.250	-0.005	90	1175150	5.09	
184 Benzo[a]pyrene	252	14.741	14.745	-0.004	76	1024400	5.13	
185 3-Methylcholanthrene	268		15.269					9
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278	17.015	17.025	-0.010	55	905254	5.49	
188 Indeno[1,2,3-cd]pyrene	276	17.010	17.025	-0.015	88	1081821	5.34	
190 Benzo[g,h,i]perylene	276	17.688	17.703	-0.015	89	933561	5.58	
S 245 Total Cresols	100				0		11.0	
S 191 Methyl Phenols,Total	100				0		11.0	
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 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

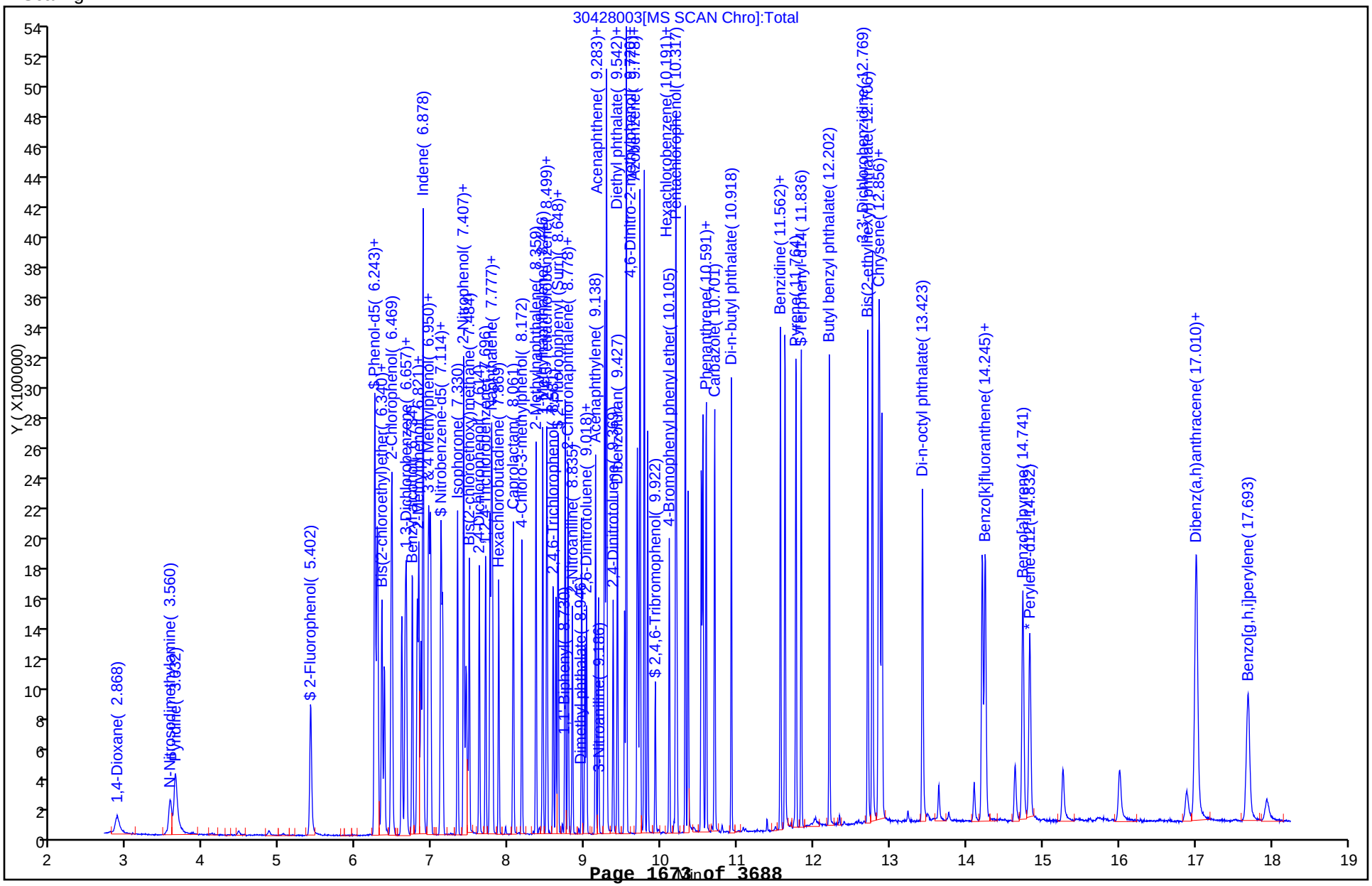
Report Date: 30-Apr-2013 10:28:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428003.D

Injection Date:	28-Apr-2013 15:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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

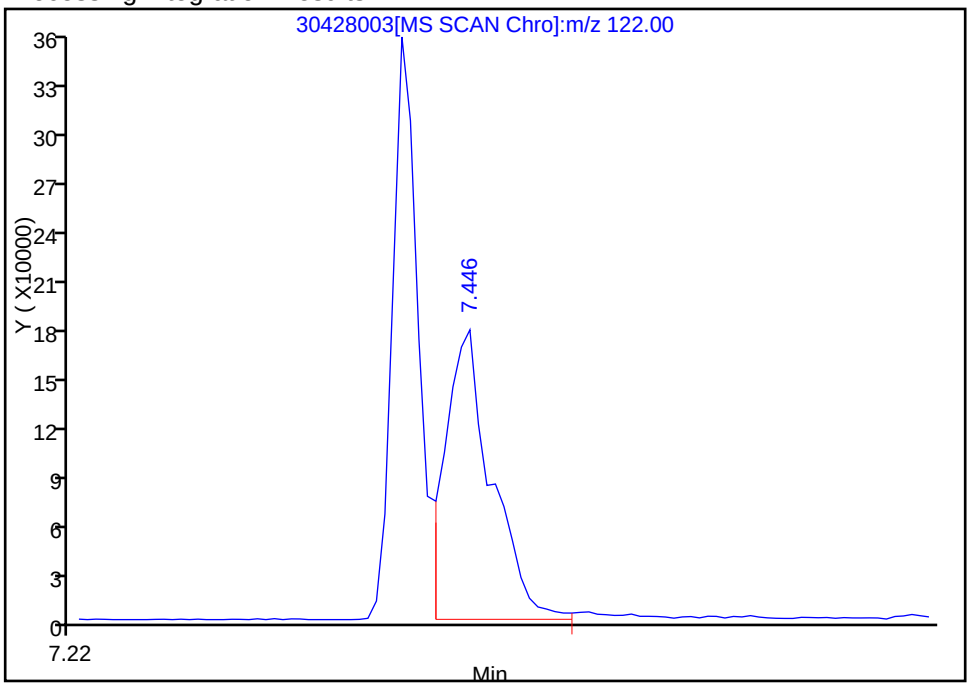
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428003.D		
Injection Date:	28-Apr-2013 15:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	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: 7.46

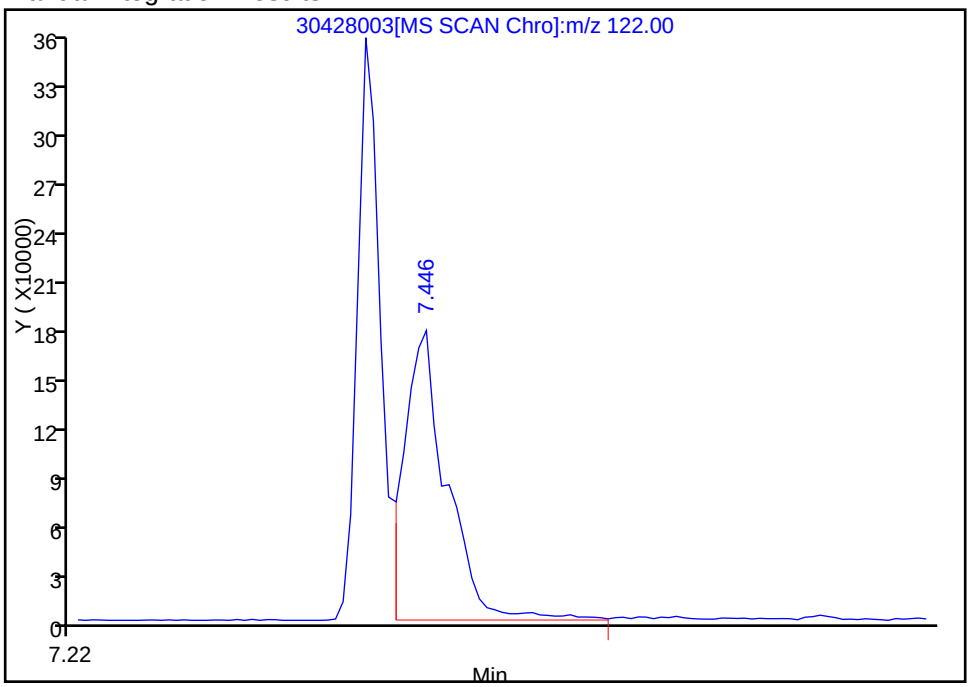
Processing Integration Results

RT: 7.45
Response: 326208
Amount: 8.415669



Manual Integration Results

RT: 7.45
Response: 334894
Amount: 8.601669



Reviewer: ulmanm, 28-Apr-2013 16:03:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/13

Matrix: Solid | Lab File ID: 30428013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 19:57

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.87		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.15		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.13		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.07		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.08		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.30		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.48		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	6.46	^ M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.88		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.37		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	5.14		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	5.37		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.69		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.65		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.53		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.01		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.07		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	5.17		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.15		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.82		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.97		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.34		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.88		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.06		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	5.03		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.8		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.03		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.30		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.05		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.15		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.05		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/13

Matrix: Solid | Lab File ID: 30428013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 19:57

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	8.24		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.81		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.56		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.46		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.90		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	4.92		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.97		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.39		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.64		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.80		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.99		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.38		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.23		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.76		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.33		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.32		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.99		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.72		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.90		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.39		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.14		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.13		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	11.3		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.29		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	9.46		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.54		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.88		0.00020	0.00010	0.00010
108-95-2	Phenol	5.31		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.62		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.82		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.21		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.39		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-83882/13

Matrix: Solid | Lab File ID: 30428013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/28/2013 19:57

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83882 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		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)	104	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	98		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	100		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428013.D
Lims ID: mrl qccl Client ID:
Inject. Date: 28-Apr-2013 19:57:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019340-013
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 83882 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\8270 _9.m
Last Update: 29-Apr-2013 10:48:19 Calib Date: 27-Apr-2013 16:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130427-19331.b\30427010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: ulmanm Date: 29-Apr-2013 10:02:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.641	6.642	-0.001	73	250825	4.00	
* 2 Naphthalene-d8	136	7.752	7.758	-0.006	99	1047670	4.00	
* 3 Acenaphthene-d10	164	9.257	9.258	-0.001	92	534043	4.00	
* 4 Phenanthrene-d10	188	10.527	10.528	-0.001	96	929384	4.00	
* 5 Chrysene-d12	240	12.864	12.865	-0.001	92	1135601	4.00	
* 6 Perylene-d12	264	14.831	14.837	-0.006	96	924326	4.00	
$ 7 2-Fluorophenol	112	5.401	5.406	-0.005	94	505664	4.96	
$ 8 Phenol-d5	99	6.271	6.272	-0.001	94	712949	5.21	
$ 9 Nitrobenzene-d5	82	7.117	7.118	-0.001	85	772308	5.00	
$ 10 2-Fluorobiphenyl (Surr)	172	8.647	8.648	-0.001	99	814534	5.12	
$ 11 2,4,6-Tribromophenol	330	9.926	9.927	-0.001	88	85989	4.98	
$ 12 Terphenyl-d14	244	11.835	11.836	-0.001	97	996039	4.89	
243 n-Decane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
247 Hexadecane	57		0.000					
249 4-Chlorophenol TIC	1		0.000					
244 n-Octadecane	57		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
19 Octachlorostyrene	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					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					
233 n,n'-Dimethylacetamide	44		2.465					
25 1,4-Dioxane	88	2.871	2.877	-0.006	90	261506	5.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
232 1-Methyl-2-pyrrilidinone	99		3.555					1
26 N-Nitrosodimethylamine	74	3.569	3.560	0.009	87	445545	5.27	
42 Phenylmercaptan	110		3.596					
27 Pyridine	79	3.631	3.632	-0.001	93	703212	4.99	
67 1,3,5-Trichlorobenzene	180		4.164					
24 Catechol	110		4.410					
80 1,2,3-Trichlorobenzene	180		4.602					
81 Benzothiazole	135		4.698					
31 2-Picoline	93		4.724					
15 3-Methylcatechol	124		4.794					9
32 N-Nitrosomethylethylamine	88		4.844					
14 4-Methylcatechol	124		5.036					9
35 Acrylamide	71		5.118					
34 Methyl methanesulfonate	80		5.176					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
101 Phenyl ether	170		5.521					
36 N-Nitrosodiethylamine	102		5.604					
108 1,2-Dinitrobenzene	168		5.777					
37 Ethyl methanesulfonate	79		5.868					9
41 Benzaldehyde	77	6.247	6.248	-0.001	89	1160780	10.6	
43 Phenol	94	6.286	6.286	0.0	88	748172	5.31	
44 Aniline	93	6.338	6.339	-0.001	90	966899	5.32	
45 Pentachloroethane	167		6.363					
69 Bis(2-chloroethyl)ether	93	6.372	6.373	-0.001	92	648753	5.14	
127 Tributyl phosphate	99		6.434					9
46 2-Chlorophenol	128	6.459	6.460	-0.001	90	416770	5.15	
47 1,3-Dichlorobenzene	146	6.598	6.599	-0.001	89	433726	5.11	
48 1,4-Dichlorobenzene	146	6.656	6.657	-0.001	82	439097	5.03	
49 Benzyl alcohol	108	6.738	6.739	-0.001	85	339027	5.37	
50 1,2-Dichlorobenzene	146	6.800	6.801	-0.001	86	410724	5.06	
51 2-Methylphenol	108	6.819	6.825	-0.006	95	477169	5.33	
53 2,2'-oxybis[1-chloropropane]	45	6.848	6.849	-0.001	93	633840	5.37	
52 Indene	115	6.877	6.878	-0.001	68	1723901	10.4	
56 N-Nitrosopyrrolidine	100		6.912					9
59 N-Nitrosomorpholine	56		6.940					
21 3 & 4 Methylphenol	108	6.949	6.950	-0.001	94	496038	5.32	
57 N-Nitrosodi-n-propylamine	70	6.959	6.960	-0.001	76	503804	5.29	
60 2-Toluidine	106		6.979					9
58 Acetophenone	105	6.978	6.979	-0.001	77	755044	5.07	
61 Hexachloroethane	117	7.108	7.109	-0.001	75	206989	4.99	
62 Nitrobenzene	77	7.132	7.133	-0.001	78	718594	5.14	
63 N-Nitrosopiperidine	114		7.229					
64 Isophorone	82	7.329	7.330	-0.001	95	1210733	5.23	
65 2,4-Dimethylphenol	107	7.411	7.412	-0.001	92	496333	5.05	
66 2-Nitrophenol	139	7.411	7.412	-0.001	74	213117	5.13	
68 o,o',o''-Triethylphosphorothioat	198		7.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 Benzoic acid	122	7.440	7.460	-0.020	82	281226	6.46	M
70 Bis(2-chloroethoxy)methane	93	7.483	7.484	-0.001	94	706285	5.27	
72 alpha,alpha-Dimethyl phenethylam	58		7.566					9
73 2,4-Dichlorophenol	162	7.613	7.614	-0.001	92	323197	5.03	
153 Diphenylsulfone	125		7.631					
74 1,2,4-Trichlorobenzene	180	7.699	7.700	-0.001	90	354976	4.82	
75 Naphthalene	128	7.776	7.772	0.004	99	1265119	4.99	
77 2,6-Dichlorophenol	162		7.777					
76 4-Chloroaniline	127	7.786	7.787	-0.001	74	675405	5.07	
78 Hexachloropropene	213		7.825					9
79 Hexachlorobutadiene	225	7.868	7.869	-0.001	91	202274	4.64	
118 2,3,5,6-Tetrachlorophenol	232		7.920					9
82 Quinoline	129		8.018					9
83 N-Nitrosodi-n-butylamine	84		8.018					9
85 p-Phenylene diamine	108		8.046					9
84 Caprolactam	113	8.060	8.071	-0.011	81	306700	10.8	
86 4-Chloro-3-methylphenol	107	8.175	8.176	-0.001	87	443251	5.06	
94 Safrole, Total	162		8.224					
87 2-Methylnaphthalene	142	8.358	8.359	-0.001	83	761051	4.76	
88 1-Methylnaphthalene	142	8.445	8.446	-0.001	78	712091	4.77	
225 Isosafrole Peak 1	162		8.470					9
89 Hexachlorocyclopentadiene	237	8.498	8.499	-0.001	95	204643	4.80	
91 1,2,4,5-Tetrachlorobenzene	216	8.502	8.503	-0.001	92	325250	5.30	
92 2,4,6-Trichlorophenol	196	8.584	8.585	-0.001	91	209681	5.39	
93 2,4,5-Trichlorophenol	196	8.618	8.624	-0.006	85	206666	5.21	
227 Isosafrole Peak 2	162		8.662					9
98 1,1'-Biphenyl	154	8.743	8.744	-0.001	95	904951	5.08	
246 1-Chloronaphthalene	162	8.777	8.777	-0.001	99	686067	0	
100 2-Chloronaphthalene	162	8.777	8.777	-0.001	98	686208	5.17	
102 2-Nitroaniline	65	8.834	8.835	-0.001	72	334182	5.72	
103 1,4-Naphthoquinone	158		8.878					
104 1,4-Dinitrobenzene	168	8.998	8.902	0.096	80	134019	5.40	
105 Dimethyl phthalate	163	8.959	8.960	-0.001	93	716133	5.15	
106 1,3-Dinitrobenzene	168	8.998	8.999	-0.001	79	134019	5.93	
107 2,6-Dinitrotoluene	165	9.022	9.023	-0.001	76	174846	5.46	
109 Acenaphthylene	152	9.137	9.138	-0.001	93	1056979	5.15	
110 3-Nitroaniline	138	9.176	9.177	-0.001	87	203334	5.90	
111 2,4-Dinitrophenol	184	9.262	9.263	-0.001	71	134038	7.81	
112 Acenaphthene	153	9.286	9.287	-0.001	94	630955	4.87	
113 4-Nitrophenol	109	9.281	9.287	-0.006	77	321310	11.3	
172 3,3'-Dimethoxybenzidine	244		9.314					
115 Pentachlorobenzene	250		9.374					
114 2,4-Dinitrotoluene	165	9.368	9.374	-0.006	77	226909	5.56	
176 Hexabromobenzene	232		9.394					
116 Dibenzofuran	168	9.426	9.427	-0.001	85	911183	4.88	
117 1-Naphthylamine	143		9.455					9
120 2-Naphthylamine	143		9.518					9
119 2,3,4,6-Tetrachlorophenol	232	9.522	9.523	-0.001	76	167010	5.41	
121 Diethyl phthalate	149	9.546	9.547	-0.001	94	686263	5.30	
122 Thionazin	97		9.595					
124 N-Nitro-o-toluidine	152		9.667					
123 4-Chlorophenyl phenyl ether	204	9.685	9.686	-0.001	94	352813	4.82	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
125 4-Nitroaniline	138	9.695	9.701	-0.006	76	200221	5.39	
126 Fluorene	166	9.719	9.720	-0.001	79	727264	4.97	
128 4,6-Dinitro-2-methylphenol	198	9.724	9.725	-0.001	69	250341	8.24	
130 Diphenylamine	169	9.777	9.754	0.023	87	1035280	7.95	
131 N-Nitrosodiphenylamine	169	9.777	9.782	-0.005	98	1035280	9.46	
132 1,2-Diphenylhydrazine	77	9.820	9.821	-0.001	99	1288246	4.77	
133 Azobenzene	77	9.820	9.821	-0.001	95	1288155	4.77	
134 Sulfotepp	202		9.840					
135 1,3,5-Trinitrobenzene	213		9.931					9
137 Phenacetin	108		9.975					9
228 Diallate Peak 1	86		9.984					
138 Phorate	121		9.994					9
230 Diallate Peak 2	86		10.066					
139 4-Bromophenyl phenyl ether	248	10.109	10.109	0.0	71	192055	4.65	
140 Dimethoate	87		10.138					9
142 Atrazine	200	10.190	10.196	-0.006	84	476727	9.76	
141 Hexachlorobenzene	284	10.205	10.206	-0.001	83	184833	4.39	
129 4-Aminobiphenyl	169		10.297					9
144 Pronamide	173		10.311					
145 Pentachloronitrobenzene	237		10.340					9
143 Pentachlorophenol	266	10.354	10.355	-0.001	84	227011	8.54	
146 Disulfoton	88		10.432					9
147 Dinoseb	211		10.441					
148 Phenanthrene	178	10.546	10.547	-0.001	98	1119458	4.88	
149 Anthracene	178	10.589	10.590	-0.001	99	1164230	5.13	
150 DFTPP								
151 Carbazole	167	10.700	10.701	-0.001	83	1105880	5.01	
152 Methyl parathion	109		10.759					9
154 Di-n-butyl phthalate	149	10.921	10.922	-0.001	100	1370120	5.05	
155 Ethyl Parathion	97		11.076					
156 4-Nitroquinoline-1-oxide	190		11.153					9
157 Methapyrilene	58		11.177					9
158 Isodrin	66		11.417					
159 Fluoranthene	202	11.561	11.567	-0.006	99	1363750	4.92	
160 Benzidine	184	11.623	11.624	-0.001	98	1263186	11.4	
226 Aramite Peak 1	185		11.740					9
186 Dibenz[a,j]acridine	279		11.740					
166 4,4'-DDE	246		11.754					9
161 Pyrene	202	11.768	11.769	-0.001	96	1408759	5.62	
229 Aramite Peak 2	185		11.802					
163 p-Dimethylamino azobenzene	225		11.922					9
164 Chlorobenzilate	139		11.942					
165 4,4'-DDD	235		12.118					
167 Famphur	218		12.148					
169 3,3'-Dimethylbenzidine	212		12.206					9
168 Butyl benzyl phthalate	149	12.205	12.206	-0.001	89	631127	5.53	
170 4,4'-DDT	235		12.344					
171 2-Acetylaminofluorene	181		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.705	12.711	-0.006	94	870422	5.69	
174 4,4'-Methylene bis(2-chloroanili	231		12.721					
175 3,3'-Dichlorobenzidine	252	12.768	12.769	-0.001	72	932064	10.8	
177 Benzo[a]anthracene	228	12.850	12.851	0.0	100	1360375	5.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
178 Chrysene	228	12.893	12.894	-0.001	94	1282982	4.97	
179 6-Methylchrysene	242		13.365					
180 Di-n-octyl phthalate	149	13.422	13.428	-0.006	99	1471215	4.90	
181 7,12-Dimethylbenz(a)anthracene	256		14.125					
182 Benzo[b]fluoranthene	252	14.210	14.211	-0.001	92	1267336	5.30	
183 Benzo[k]fluoranthene	252	14.244	14.250	-0.006	99	1322909	4.88	
184 Benzo[a]pyrene	252	14.744	14.745	-0.001	76	1190299	5.08	
185 3-Methylcholanthrene	268		15.269					
187 Dibenz[a,h]acridine	279		16.361					
189 Dibenz(a,h)anthracene	278	17.014	17.025	-0.011	72	1033605	5.34	
188 Indeno[1,2,3-cd]pyrene	276	17.009	17.025	-0.016	88	1278372	5.38	
190 Benzo[g,h,i]perylene	276	17.692	17.703	-0.011	89	1075474	5.48	
S 245 Total Cresols	100				0		10.7	
S 191 Methyl Phenols,Total	100				0		10.7	
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 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 234 2-Isopropylphenol TIC	121		7.750					
T 235 4-isopropylphenol TIC	121		7.900					
T 236 3-isopropylphenol TIC	121		7.900					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		8.300					
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 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					
T 231 2,3,7,8-TCDD	322		13.100					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

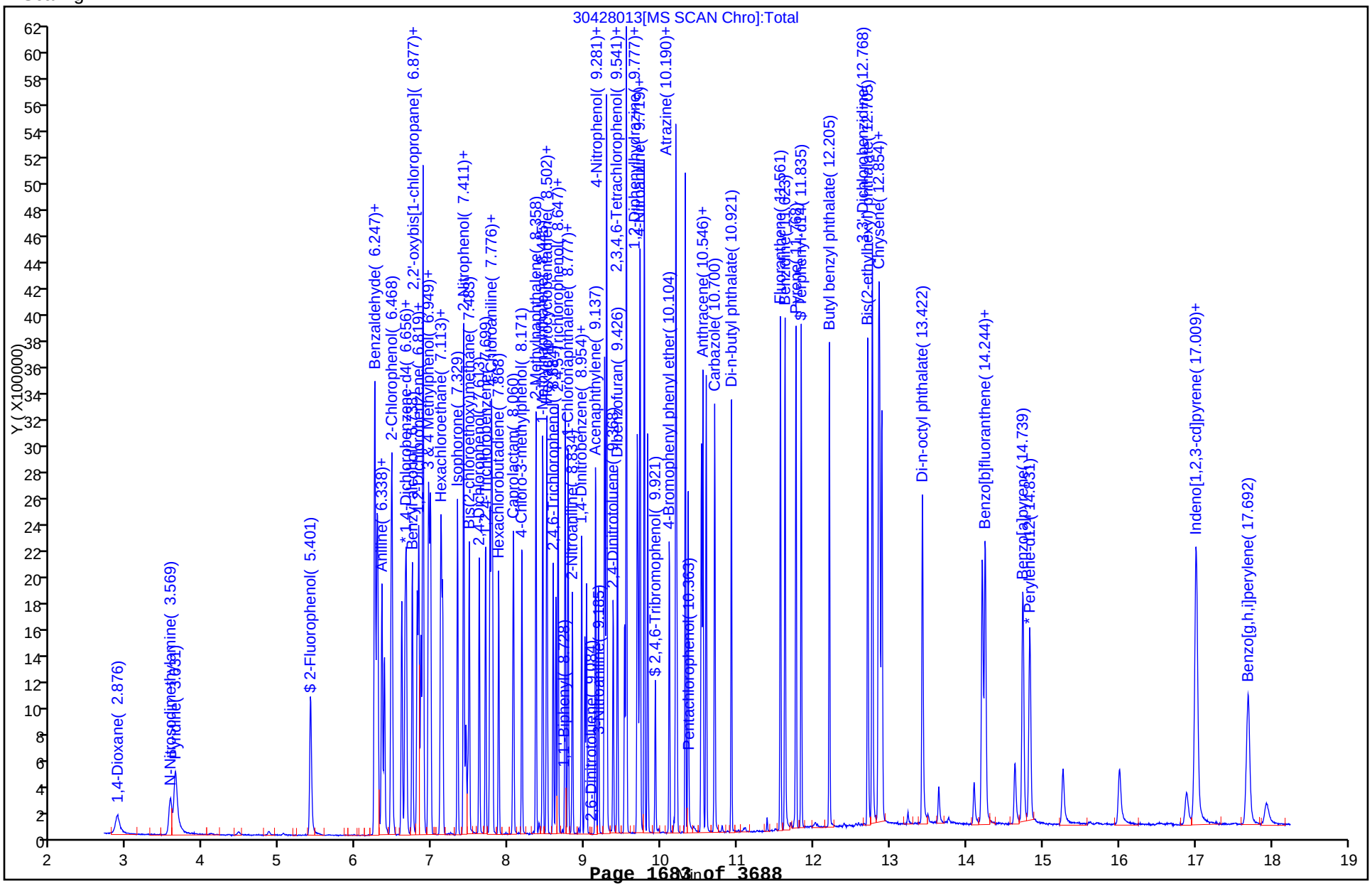
Report Date: 29-Apr-2013 10:48:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428013.D

Injection Date:	28-Apr-2013 19:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	13
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

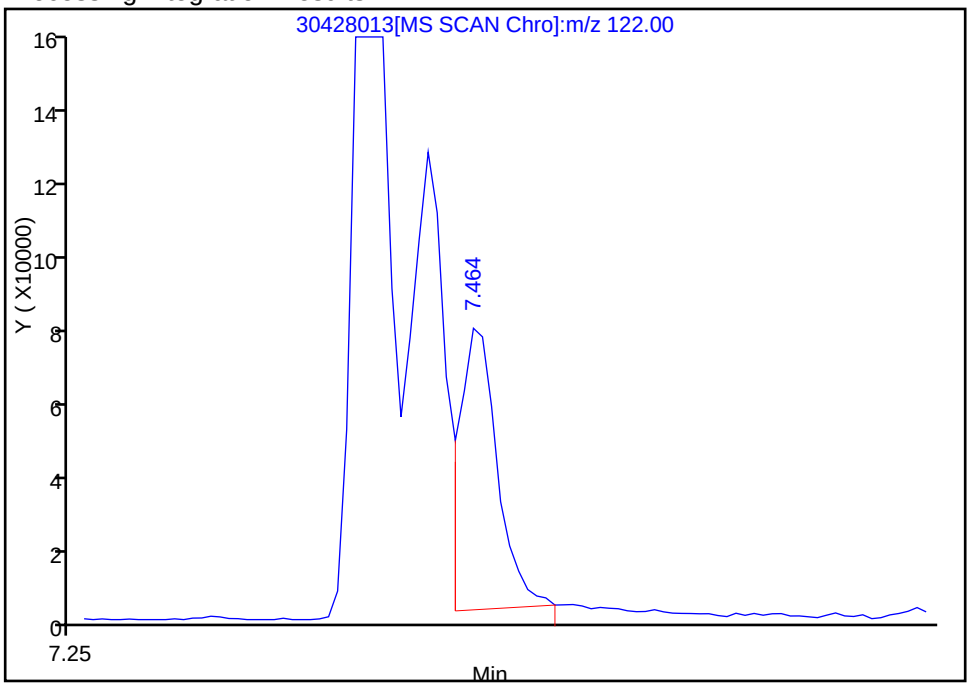
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130428-19340.b\30428013.D		
Injection Date:	28-Apr-2013 19:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	83882	Lims Sample ID:	13
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: 7.46

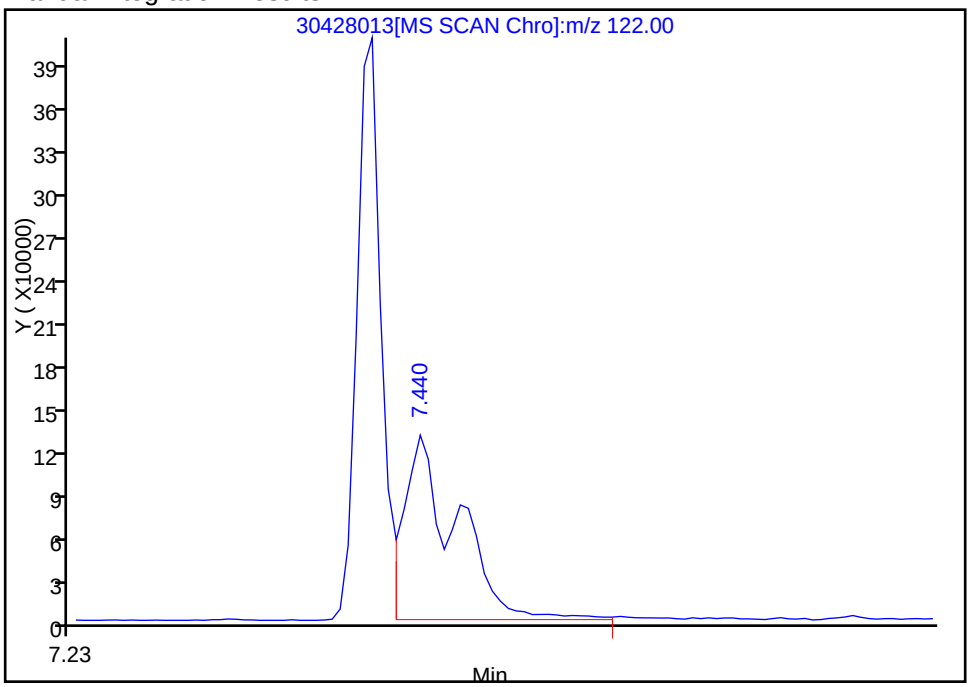
Processing Integration Results

RT: 7.46
Response: 109183
Amount: 3.383638



Manual Integration Results

RT: 7.44
Response: 281226
Amount: 6.461542



Reviewer: ulmanm, 29-Apr-2013 10:02:09
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Start Date: 04/11/2013 17:39

Analysis Batch Number: 81609 End Date: 04/12/2013 00:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-81609/1		04/11/2013 17:39	1	30411001.D	DB-624 0.18(mm)
STD5 240-81609/2 IC		04/11/2013 18:04	1	30411002.D	DB-624 0.18(mm)
STD4 240-81609/3 IC		04/11/2013 18:28	1	30411003.D	DB-624 0.18(mm)
STD3 240-81609/4 IC		04/11/2013 18:53	1	30411004.D	DB-624 0.18(mm)
STD2 240-81609/5 IC		04/11/2013 19:17	1	30411005.D	DB-624 0.18(mm)
STD1 240-81609/6 IC		04/11/2013 19:41	1	30411006.D	DB-624 0.18(mm)
STD9 240-81609/7 IC		04/11/2013 20:06	1	30411007.D	DB-624 0.18(mm)
STD8 240-81609/8 IC		04/11/2013 20:30	1	30411008.D	DB-624 0.18(mm)
STD7 240-81609/9 IC		04/11/2013 20:54	1	30411009.D	DB-624 0.18(mm)
STD6 240-81609/10 ICIS		04/11/2013 21:19	1	30411010.D	DB-624 0.18(mm)
ICV 240-81609/11		04/11/2013 21:43	1	30411011.D	DB-624 0.18(mm)
STD5 240-81609/12 IC		04/11/2013 22:08	1		DB-624 0.18(mm)
STD4 240-81609/13 IC		04/11/2013 22:32	1		DB-624 0.18(mm)
STD3 240-81609/14 IC		04/11/2013 22:56	1		DB-624 0.18(mm)
STD2 240-81609/15 IC		04/11/2013 23:21	1		DB-624 0.18(mm)
STD6 240-81609/16 IC		04/11/2013 23:45	1		DB-624 0.18(mm)
STD7 240-81609/17 IC		04/12/2013 00:09	1		DB-624 0.18(mm)
STD8 240-81609/18 IC		04/12/2013 00:34	1		DB-624 0.18(mm)
STD9 240-81609/19 IC		04/12/2013 00:58	1		DB-624 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP10 Start Date: 04/17/2013 10:08

Analysis Batch Number: 82293 End Date: 04/17/2013 20:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-82293/1		04/17/2013 10:08	1	30417001.D	DB-624 0.18(mm)
CCV 240-82293/2		04/17/2013 10:26	1	30417002.D	DB-624 0.18(mm)
MRL 240-82293/3		04/17/2013 10:49	1	30417003.D	DB-624 0.18(mm)
MB 240-81130/22-A		04/17/2013 11:13	1	30417004.D	DB-624 0.18(mm)
LCS 240-81130/23-A		04/17/2013 11:36	1	30417005.D	DB-624 0.18(mm)
ZZZZZ		04/17/2013 12:47	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 13:10	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 13:34	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 13:58	1		DB-624 0.18(mm)
240-22804-11	079RN-0317-0001-RN	04/17/2013 14:21	1	30417012.D	DB-624 0.18(mm)
ZZZZZ		04/17/2013 14:45	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 15:09	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 15:32	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 15:56	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 16:20	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 16:44	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 17:07	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 17:31	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 17:55	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 18:18	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 18:42	1		DB-624 0.18(mm)
ZZZZZ		04/17/2013 19:06	1		DB-624 0.18(mm)
MRL 240-82293/25		04/17/2013 19:29	1	30417025.D	DB-624 0.18(mm)
mdll1 LODV		04/17/2013 19:53	1	30417026.D	DB-624 0.18(mm)
mdll2 LODV		04/17/2013 20:17	1	30417027.D	DB-624 0.18(mm)
mdll3 LODV		04/17/2013 20:40	1	30417028.D	DB-624 0.18(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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)
MB 240-81948/23-A		04/22/2013 10:27	1	30422004.D	RXI-5SILMS 0.45(mm)
LCS 240-81948/24-A		04/22/2013 10:53	1	30422005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 12:38	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 13:04	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 13:30	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 13:57	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 14:23	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 14:49	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 15:15	5		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 15:41	5		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 ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/23/2013 09:30

Analysis Batch Number: 83126 End Date: 04/23/2013 20:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-83126/1		04/23/2013 09:30	1	30423001.D	RXI-5SILMS 0.45(mm)
CCV 240-83126/2		04/23/2013 09:51	1	30423002.D	RXI-5SILMS 0.45(mm)
MRL 240-83126/3		04/23/2013 10:17	1	30423003.D	RXI-5SILMS 0.45(mm)
240-22804-3	074SB-0015-0001-SO	04/23/2013 14:35	1	30423013.D	RXI-5SILMS 0.45(mm)
240-22804-2	074SB-0013-0001-SO	04/23/2013 15:01	1	30423014.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/23/2013 15:27	1		RXI-5SILMS 0.45(mm)
240-22804-10	074SB-0027-0001-SO	04/23/2013 15:53	1	30423016.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/23/2013 16:18	1		RXI-5SILMS 0.45(mm)
240-22804-7	074SB-0024-0001-SO	04/23/2013 16:44	1	30423018.D	RXI-5SILMS 0.45(mm)
240-22804-8	074SB-0025-0001-SO	04/23/2013 17:10	1	30423019.D	RXI-5SILMS 0.45(mm)
240-22804-9	074SB-0026-0001-SO	04/23/2013 17:36	1	30423020.D	RXI-5SILMS 0.45(mm)
240-22804-6	074SB-0023-0001-SO	04/23/2013 18:01	5	30423021.D	RXI-5SILMS 0.45(mm)
MRL 240-83126/22		04/23/2013 18:27	1	30423022.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		04/23/2013 18:53	1	30423023.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		04/23/2013 19:19	1	30423024.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		04/23/2013 19:45	1	30423025.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		04/23/2013 20:10	1	30423026.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/28/2013 14:50

Analysis Batch Number: 83882 End Date: 04/28/2013 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-83882/1		04/28/2013 14:50	1	30428001.D	RXI-5SILMS 0.45(mm)
CCV 240-83882/2		04/28/2013 15:12	1	30428002.D	RXI-5SILMS 0.45(mm)
MRL 240-83882/3		04/28/2013 15:38	1	30428003.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/28/2013 16:03	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/28/2013 16:29	1		RXI-5SILMS 0.45(mm)
MB 240-83486/23-A		04/28/2013 16:55	1	30428006.D	RXI-5SILMS 0.45(mm)
LCS 240-83486/24-A		04/28/2013 17:21	1	30428007.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/28/2013 17:47	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/28/2013 18:13	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/28/2013 18:39	1		RXI-5SILMS 0.45(mm)
240-22804-4	074SB-0010-0001-SO	04/28/2013 19:05	1	30428011.D	RXI-5SILMS 0.45(mm)
240-22804-5	074SB-0012-0001-SO	04/28/2013 19:31	1	30428012.D	RXI-5SILMS 0.45(mm)
MRL 240-83882/13		04/28/2013 19:57	1	30428013.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		04/28/2013 20:23	1	30428014.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		04/28/2013 20:48	1	30428015.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		04/28/2013 21:14	1	30428016.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 81130 Batch Start Date: 04/09/13 13:00 Batch Analyst: Earle, Steve

Batch Method: 3520C Batch End Date: 04/10/13 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	EXBNALCS1 00035	EXBNASURRW 00024
240-22804-I-11	079RN-0317-0001-RN	3520C, 8270C/DoD	T	7 SU	945 mL	2.0 mL	2 SU		1 mL
MB 240-81130/22		3520C, 8270C/DoD		7 SU	1000 mL	2.0 mL	2 SU		1 mL
LCS 240-81130/23		3520C, 8270C/DoD		7 SU	1000 mL	2.0 mL	2 SU	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXRESTEKSPKW 00019					
240-22804-I-11	079RN-0317-0001-RN	3520C, 8270C/DoD	T						
MB 240-81130/22		3520C, 8270C/DoD							
LCS 240-81130/23		3520C, 8270C/DoD		1 mL					

Batch Notes	
Acid used for pH adjust Lot #	711898
Na2SO4 Lot Number	857424
Prep Solvent Lot #	921740

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 81948 Batch Start Date: 04/15/13 14:00 Batch Analyst: Mills, Lisa

Batch Method: 3540C Batch End Date: 04/16/13 06:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00035	EXBNASURRW 00024	EXRESTEKSPKW 00019	
240-22804-B-2	074SB-0013-0001-SO	3540C, 8270C/DoD	T	30.03 g	2.0 mL		1 mL		
240-22804-B-3	074SB-0015-0001-SO	3540C, 8270C/DoD	T	30.09 g	2.0 mL		1 mL		
240-22804-B-6	074SB-0023-0001-SO	3540C, 8270C/DoD	T	30.08 g	2.0 mL		1 mL		
240-22804-B-7	074SB-0024-0001-SO	3540C, 8270C/DoD	T	30.07 g	2.0 mL		1 mL		
240-22804-B-8	074SB-0025-0001-SO	3540C, 8270C/DoD	T	30.08 g	2.0 mL		1 mL		
240-22804-B-9	074SB-0026-0001-SO	3540C, 8270C/DoD	T	30.16 g	2.0 mL		1 mL		
240-22804-B-10	074SB-0027-0001-SO	3540C, 8270C/DoD	T	30.11 g	2.0 mL		1 mL		
MB 240-81948/23		3540C, 8270C/DoD		30.00 g	2.0 mL		1 mL		
LCS 240-81948/24		3540C, 8270C/DoD		30.00 g	2.0 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	B036
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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 83486 Batch Start Date: 04/25/13 12:40 Batch Analyst: Shabani, Jawad

Batch Method: 3540C Batch End Date: 04/26/13 04:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00035	EXBNASURRW 00024	EXRESTEKSPKW 00019	
240-22804-G-4	074SB-0010-0001-SO	3540C, 8270C/DoD	T	30.30 g	2 mL		1 mL		
240-22804-B-5	074SB-0012-0001-SO	3540C, 8270C/DoD	T	30.32 g	2 mL		1 mL		
MB 240-83486/23		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-83486/24		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	B036
Na2SO4 Lot Number	857442
Prep Solvent Lot #	950631

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 8015B - DRO DOD

Diesel Range Organics (DRO) (GC) by Method 8015B DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	C9 #
074SB-0013-0001-SO	240-22804-2	52
074SB-0015-0001-SO	240-22804-3	54
074SB-0010-0001-SO	240-22804-4	50
074SB-0012-0001-SO	240-22804-5	42
074SB-0023-0001-SO	240-22804-6	55
074SB-0024-0001-SO	240-22804-7	47
074SB-0025-0001-SO	240-22804-8	55
074SB-0026-0001-SO	240-22804-9	49
074SB-0027-0001-SO	240-22804-10	37
	MB 240-82097/23-A	50
	MB 240-82109/20-A	48
	LCS 240-82097/24-A	48
	LCS 240-82109/21-A	57
074SB-0010-0001-SO MS	240-22804-4 MS	42
074SB-0010-0001-SO MSD	240-22804-4 MSD	55

	QC LIMITS
C9 = n-Nonane	10-110

Column to be used to flag recovery values

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
	MRL 240-82321/11	101
	MRL 240-82321/36	101
	MRL 240-82537/6	90
	MRL 240-82537/39	105

	QC LIMITS
C9 = n-Nonane	70-130

Column to be used to flag recovery values

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
079RN-0317-0001-RN	240-22804-11	54
	MB 240-80861/11-A	54
	LCS 240-80861/12-A	63

	QC LIMITS
C9 = n-Nonane	10-110

Column to be used to flag recovery values

FORM II 8015B_DRO/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
	MRL 240-81310/10	100
	MRL 240-81310/15	104

	QC LIMITS
C9 = n-Nonane	70-130

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P5B10012.D

Lab ID: LCS 240-80861/12-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diesel	2500	2150	86	36-124	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F18013.D

Lab ID: LCS 240-82097/24-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	59.4	71	47-138	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5B17013.D

Lab ID: LCS 240-82109/21-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	73.6	88	47-138	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P5B10010.D

Lab ID: MRL 240-81310/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	99.4 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P5B10015.D

Lab ID: MRL 240-81310/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	103	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5B17011.D

Lab ID: MRL 240-82321/11 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	100	100	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5B17036.D

Lab ID: MRL 240-82321/36 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	98.9 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F18006.D

Lab ID: MRL 240-82537/6 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	102	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F18039.D

Lab ID: MRL 240-82537/39 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	98.1 J	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5B17017.D

Lab ID: 240-22804-4 MS Client ID: 074SB-0010-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Diesel	97.3	11 U	72.1	74	10-199	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5B17018.D

Lab ID: 240-22804-4 MSD Client ID: 074SB-0010-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel	99.0	80.1	81	10	30	10-199	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: P5B10011.D Lab Sample ID: MB 240-80861/11-A

Matrix: Water Date Extracted: 04/06/2013 10:03

Instrument ID: A2HP5R Date Analyzed: 04/10/2013 16:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-80861/12-A	P5B10012.D	04/10/2013 17:14
079RN-0317-0001-RN	240-22804-11	P5B10013.D	04/10/2013 17:45

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: P6F18012.D Lab Sample ID: MB 240-82097/23-A

Matrix: Solid Date Extracted: 04/16/2013 10:04

Instrument ID: A2HP6F Date Analyzed: 04/18/2013 20:41

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-82097/24-A	P6F18013.D	04/18/2013 21:13
074SB-0013-0001-SO	240-22804-2	P6F18022.D	04/19/2013 01:54
074SB-0015-0001-SO	240-22804-3	P6F18023.D	04/19/2013 02:25
074SB-0023-0001-SO	240-22804-6	P6F18024.D	04/19/2013 02:57
074SB-0024-0001-SO	240-22804-7	P6F18025.D	04/19/2013 03:28
074SB-0025-0001-SO	240-22804-8	P6F18026.D	04/19/2013 04:00

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab File ID: P5B17012.D Lab Sample ID: MB 240-82109/20-A

Matrix: Solid Date Extracted: 04/16/2013 10:36

Instrument ID: A2HP5R Date Analyzed: 04/17/2013 19:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-82109/21-A	P5B17013.D	04/17/2013 19:55
074SB-0010-0001-SO	240-22804-4	P5B17016.D	04/17/2013 21:26
074SB-0010-0001-SO MS	240-22804-4 MS	P5B17017.D	04/17/2013 21:57
074SB-0010-0001-SO MSD	240-22804-4 MSD	P5B17018.D	04/17/2013 22:27
074SB-0012-0001-SO	240-22804-5	P5B17019.D	04/17/2013 22:57
074SB-0026-0001-SO	240-22804-9	P5B17020.D	04/17/2013 23:28
074SB-0027-0001-SO	240-22804-10	P5B17021.D	04/17/2013 23:58

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCVRT 240-80963/16 Date Analyzed: 04/08/2013 18:23

Instrument ID: A2HP5R GC Column: ID: ()

Lab File ID (Standard): P5B08016.D Heated Purge: (Y/N) N

Calibration ID: 14111

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				3.71		
UPPER LIMIT				3.81		
LOWER LIMIT				3.61		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 240-80963/16		04/08/2013 18:23	P5B08016.D	3.71		
CCV 240-80963/25		04/08/2013 23:02	P5B08025.D	3.71		
CCV 240-80963/36		04/09/2013 09:23	P5B08036.D	3.71		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: ICRT 240-81310/6 Date Analyzed: 04/10/2013 13:19

Instrument ID: A2HP5R GC Column: ID: ()

Lab File ID (Standard): P5B10006.D Heated Purge: (Y/N) N

Calibration ID: 14446

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
INITIAL CALIBRATION SURROGATE				3.71		
UPPER LIMIT				3.81		
LOWER LIMIT				3.61		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 240-81310/6		04/10/2013 13:19	P5B10006.D	3.71		
MB 240-80861/11-A		04/10/2013 16:43	P5B10011.D	3.71		
LCS 240-80861/12-A		04/10/2013 17:14	P5B10012.D	3.71		
240-22804-11	079RN-0317-0001-RN	04/10/2013 17:45	P5B10013.D	3.70		
CCV 240-81310/14		04/10/2013 18:15	P5B10014.D	3.71		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCV 240-82321/4 Date Analyzed: 04/17/2013 15:22

Instrument ID: A2HP5R GC Column: ID: ()

Lab File ID (Standard): P5B17004.D Heated Purge: (Y/N) N

Calibration ID: 14446

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				3.70		
UPPER LIMIT				3.80		
LOWER LIMIT				3.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82321/4 CCVRT		04/17/2013 15:22	P5B17004.D	3.70		
CCV 240-82321/10		04/17/2013 18:24	P5B17010.D	3.70		
MB 240-82109/20-A		04/17/2013 19:25	P5B17012.D	3.70		
LCS 240-82109/21-A		04/17/2013 19:55	P5B17013.D	3.70		
240-22804-4	074SB-0010-0001-SO	04/17/2013 21:26	P5B17016.D	3.70		
240-22804-4 MS	074SB-0010-0001-SO MS	04/17/2013 21:57	P5B17017.D	3.70		
240-22804-4 MSD	074SB-0010-0001-SO MSD	04/17/2013 22:27	P5B17018.D	3.69		
240-22804-5	074SB-0012-0001-SO	04/17/2013 22:57	P5B17019.D	3.69		
240-22804-9	074SB-0026-0001-SO	04/17/2013 23:28	P5B17020.D	3.69		
240-22804-10	074SB-0027-0001-SO	04/17/2013 23:58	P5B17021.D	3.70		
CCV 240-82321/22		04/18/2013 00:28	P5B17022.D	3.70		
CCV 240-82321/33		04/18/2013 06:05	P5B17033.D	3.70		
CCV 240-82321/35		04/18/2013 07:06	P5B17035.D	3.70		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCV 240-82537/5 Date Analyzed: 04/18/2013 17:00

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm)

Lab File ID (Standard): P6F18005.D Heated Purge: (Y/N) N

Calibration ID: 14621

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				4.07		
UPPER LIMIT				4.17		
LOWER LIMIT				3.97		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82537/5 CCVRT		04/18/2013 17:00	P6F18005.D	4.07		
MB 240-82097/23-A		04/18/2013 20:41	P6F18012.D	4.06		
LCS 240-82097/24-A		04/18/2013 21:13	P6F18013.D	4.06		
CCV 240-82537/17		04/18/2013 23:18	P6F18017.D	4.07		
240-22804-2	074SB-0013-0001-SO	04/19/2013 01:54	P6F18022.D	4.06		
240-22804-3	074SB-0015-0001-SO	04/19/2013 02:25	P6F18023.D	4.06		
240-22804-6	074SB-0023-0001-SO	04/19/2013 02:57	P6F18024.D	4.06		
240-22804-7	074SB-0024-0001-SO	04/19/2013 03:28	P6F18025.D	4.06		
240-22804-8	074SB-0025-0001-SO	04/19/2013 04:00	P6F18026.D	4.06		
CCV 240-82537/28		04/19/2013 05:03	P6F18028.D	4.07		
CCV 240-82537/38		04/19/2013 10:18	P6F18038.D	4.07		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0013-0001-SO Lab Sample ID: 240-22804-2

Matrix: Solid Lab File ID: P6F18022.D

Analysis Method: 8015B_DRO/DOD Date Collected: 04/02/2013 17:37

Extraction Method: 3540C Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.50(g) Date Analyzed: 04/19/2013 01:54

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 16.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	52		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18022.D		
Lims ID:	240-22804-B-2-B	Client ID:	074SB-0013-0001-SO
Inject. Date:	19-Apr-2013 01:54:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019017-022		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	82537	Lims Sample ID:	22
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:48	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

		RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane	26.357					1
A	2 C28-C36	15.076	13.664	-16.488	1795588	0	
A	3 C10-C34	10.232	5.098	- 15.366	6075568	32.3	
A	4 C32-C44		14.684	-26.357			
A	5 C12-C22		6.497	- 10.932			
A	6 C22-C32		10.932	-14.684			
	7 n-Octane	2.411	2.413	-0.002	72051	0	
$	8 n-Nonane	4.059	4.065	-0.006	9914193	52.1	
	9 n-Decane	5.098					1
	10 Dodecane	6.497					1
	11 n-Tetradecane	7.544	7.584	-0.040	680	0	
A	12 C10-C20		5.098	- 10.153			
	13 Hexadecane	8.558	8.529	0.029	1925	0	
A	14 C10-C28	9.364	5.064	- 13.664	4000642	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
5.098 - 13.526					
16 n-Octadecane					
9.390	9.379	0.011	34707	0	
A 17 C10-C32					
5.098 - 14.684					
18 icosane					
10.162	10.153	0.009	41505	0	
19 n-Docosane					
10.937	10.932	0.005	25253	0	
A 20 C12-C24					
6.497 - 11.967					
21 n-Tetracosane					
11.973	11.967	0.006	27846	0	
A 22 C20-C34					
10.153 -15.366					
23 n-Hexacosane					
12.827	12.824	0.003	38063	0	
24 n-Octacosane					
13.529	13.526	0.003	40127	0	
25 Triacontane					
14.131	14.128	0.003	27941	0	
26 Dotriacontane					
14.687	14.684	0.003	18912	0	
27 Tetratriacontane					
15.364	15.366	-0.002	2697	0	
A 28 C24-C40					
11.967 -19.526					
29 n-Hexatriacontane					1
16.295					
30 C38					1
17.616					
31 C40					1
19.526					
A 32 C20-C36					
10.153 -16.295					
A 33 C24-C44					
11.967 -26.357					
A 34 C10-C24					
5.098 - 11.967					
$ 35 o-Terphenyl					
0.033	0.0	0.033	2153	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

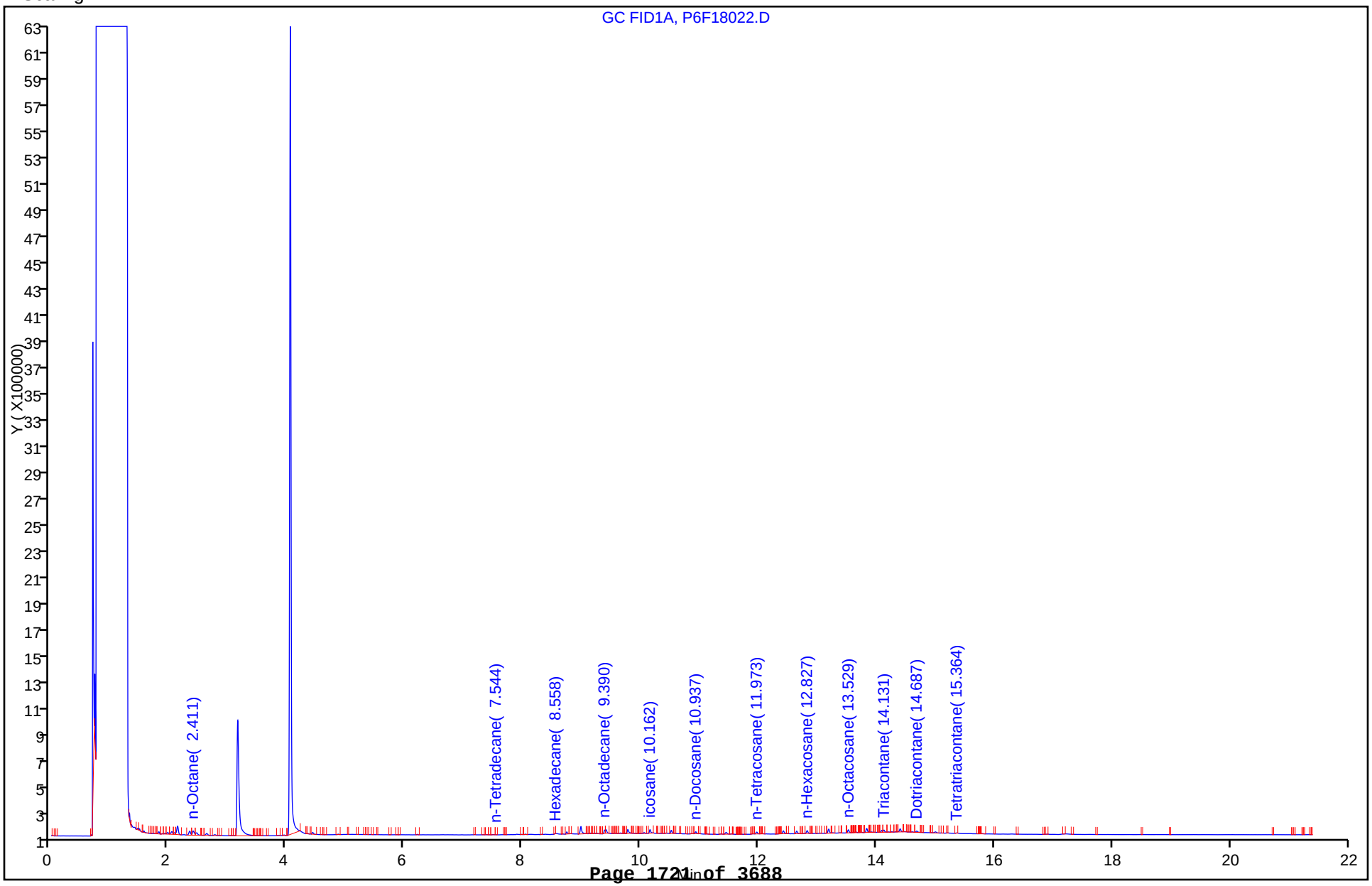
Report Date: 19-Apr-2013 11:26:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18022.D

Injection Date:	19-Apr-2013 01:54:36	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0013-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	22
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0015-0001-SO Lab Sample ID: 240-22804-3

Matrix: Solid Lab File ID: P6F18023.D

Analysis Method: 8015B_DRO/DOD Date Collected: 04/02/2013 17:40

Extraction Method: 3540C Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.16(g) Date Analyzed: 04/19/2013 02:25

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 15.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	54		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18023.D		
Lims ID:	240-22804-B-3-B	Client ID:	074SB-0015-0001-SO
Inject. Date:	19-Apr-2013 02:25:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019017-023		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	82537	Lims Sample ID:	23
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:48	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1 Tetratetracontane	26.357					1
A 2 C28-C36	15.076	13.664	-16.488	1440804	0	
A 3 C10-C34		5.098 - 15.366				
A 4 C32-C44		14.684 - 26.357				
A 5 C12-C22		6.497 - 10.932				
A 6 C22-C32		10.932 - 14.684				
7 n-Octane	2.409	2.413	-0.004	73974	0	
$ 8 n-Nonane	4.059	4.065	-0.006	10315476	54.2	
9 n-Decane	5.099	5.098	0.001	2174	0	
10 Dodecane	6.510	6.497	0.013	1812	0	
11 n-Tetradecane	7.584					1
A 12 C10-C20		5.098 - 10.153				
13 Hexadecane	8.569	8.529	0.040	3633	0	
A 14 C10-C28	9.364	5.064 - 13.664		2771583	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
5.098 - 13.526					
16 n-Octadecane					
9.394	9.379	0.015	12759	0	
A 17 C10-C32					
5.098 - 14.684					
18 icosane					
10.164	10.153	0.011	32789	0	
19 n-Docosane					
10.939	10.932	0.007	21788	0	
A 20 C12-C24					
6.497 - 11.967					
21 n-Tetracosane					
11.974	11.967	0.007	25443	0	
A 22 C20-C34					
10.153 -15.366					
23 n-Hexacosane					
12.829	12.824	0.005	35023	0	
24 n-Octacosane					
13.528	13.526	0.002	32240	0	
25 Triacontane					
14.131	14.128	0.003	24369	0	
26 Dotriacontane					
14.685	14.684	0.001	21776	0	
27 Tetratriacontane					
15.365	15.366	-0.001	1028	0	
A 28 C24-C40					
11.967 -19.526					
29 n-Hexatriacontane					1
16.295					
30 C38					
17.648	17.616	0.032	559	0	
31 C40					1
19.526					
A 32 C20-C36					
10.153 -16.295					
A 33 C24-C44					
11.967 -26.357					
A 34 C10-C24					
5.098 - 11.967					
$ 35 o-Terphenyl					
0.033	0.0	0.033	2485	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

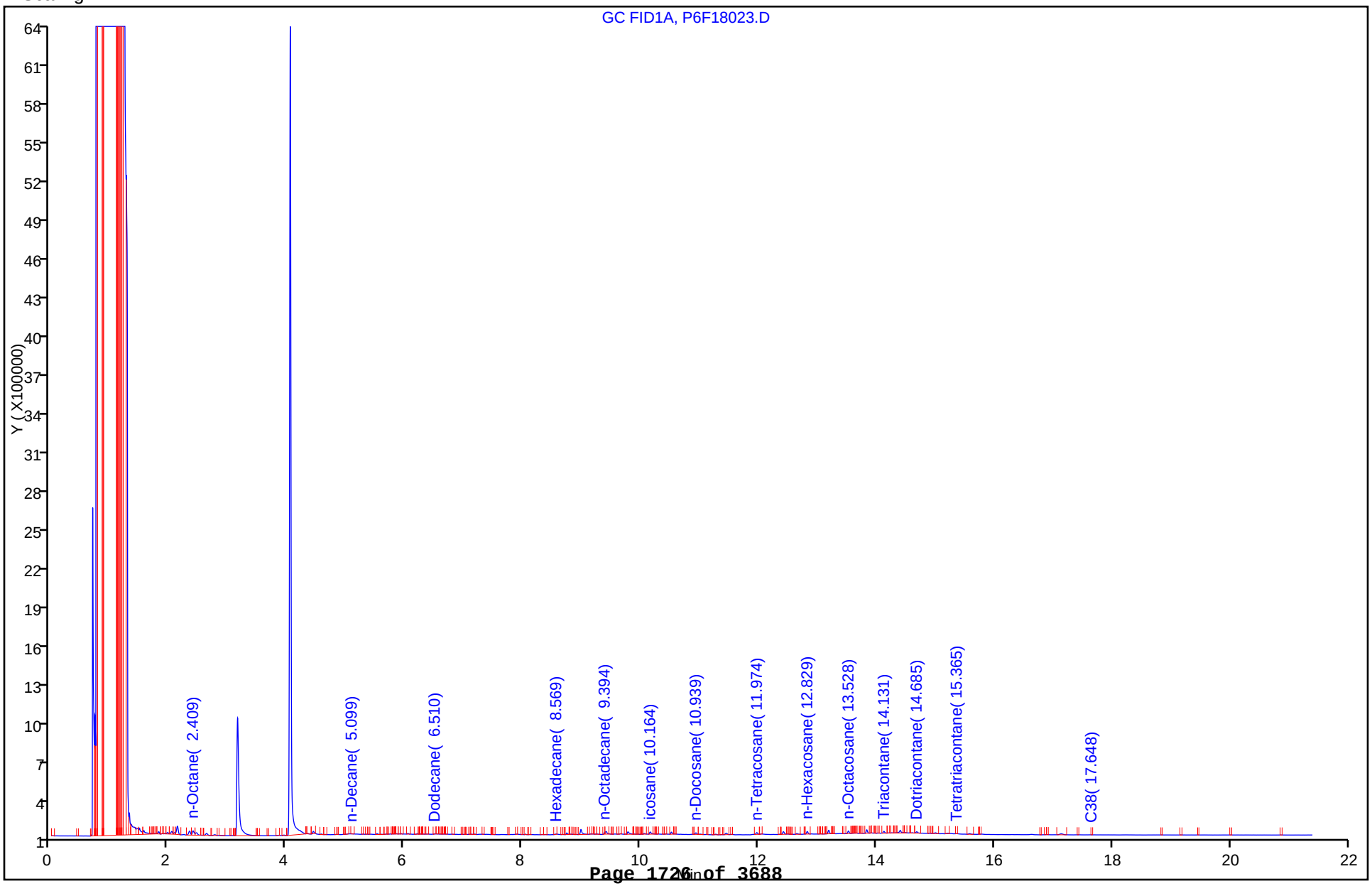
Report Date: 19-Apr-2013 11:26:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18023.D

Injection Date:	19-Apr-2013 02:25:54	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0015-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	23
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: P5B17016.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 11:40

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 29.89(g) | Date Analyzed: 04/17/2013 21:26

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	50		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17016.D		
Lims ID:	240-22804-G-4-D	Client ID:	074SB-0010-0001-SO
Inject. Date:	17-Apr-2013 21:26:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018962-016		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	66
Lims Batch ID:	82321	Lims Sample ID:	16
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

		RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane	25.920					1
A	2 C28-C36	14.844	13.455	-16.233	1778421	0	
A	3 C10-C34	9.992	4.847	- 15.137	9343272	54.4	
A	4 C32-C44		14.473	-25.920			
A	5 C12-C22		6.307	- 10.737			
A	6 C22-C32		10.737	-14.473			
	7 n-Octane	2.668	2.700	-0.032	3797009	0	
$	8 n-Nonane	3.695	3.698	-0.003	10490285	50.0	
	9 n-Decane	4.847					1
	10 Dodecane	6.305	6.307	-0.002	40565	0	
	11 n-Tetradecane	7.402	7.402	0.000	36488	0	
A	12 C10-C20		4.847	- 9.964			
	13 Hexadecane	8.348	8.347	0.001	69210	0	
A	14 C10-C28	9.091	4.626	- 13.555	5923497	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.086	4.847 - 13.324		5530817	32.2	
16 n-Octadecane					
9.193	9.194	-0.001	194585	0	
A 17 C10-C32					
9.660	4.847 - 14.473		7831862	45.6	
18 icosane					
9.963	9.964	-0.001	191367	0	
19 n-Docosane					1
10.737					
A 20 C12-C24					
6.307 - 11.766					
21 n-Tetracosane					1
11.766					
A 22 C20-C34					
9.964 - 15.137					
23 n-Hexacosane					
12.623	12.624	-0.001	260823	0	
24 n-Octacosane					
13.323	13.324	-0.001	253504	0	
25 Triacontane					
13.921	13.924	-0.003	220605	0	
26 Dotriacontane					
14.470	14.473	-0.003	518481	0	
27 Tetratriacontane					
15.163	15.137	0.026	434269	0	
A 28 C24-C40					
15.467	11.766 - 19.169		5555752	32.3	
29 n-Hexatriacontane					
16.033	16.039	-0.006	409695	0	
30 C38					
17.318	17.319	-0.001	295066	0	
31 C40					
19.166	19.169	-0.003	244460	0	
A 32 C20-C36					
13.001	9.964 - 16.039		5322115	31.0	
A 34 C24-C44					
18.843	11.766 - 25.920		5785933	33.7	
A 35 C10-C24					
4.726 - 11.923					

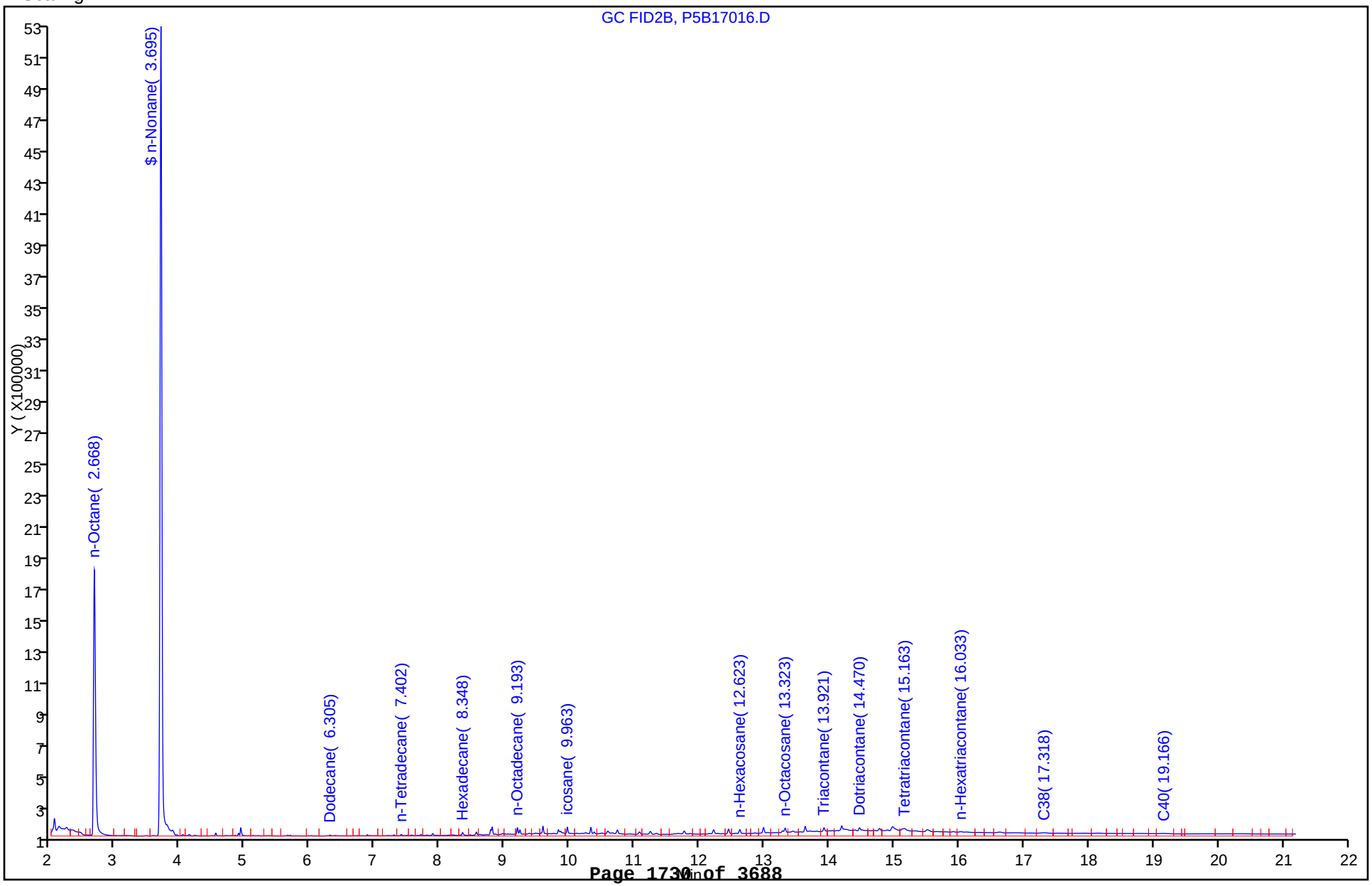
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 18-Apr-2013 11:07:23 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17016.D		
Injection Date:	17-Apr-2013 21:26:30	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	16
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0012-0001-SO | Lab Sample ID: 240-22804-5

Matrix: Solid | Lab File ID: P5B17019.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 12:31

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 29.71(g) | Date Analyzed: 04/17/2013 22:57

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	42		10-110

TestAmerica Canton
Target Compound Quantitation Report

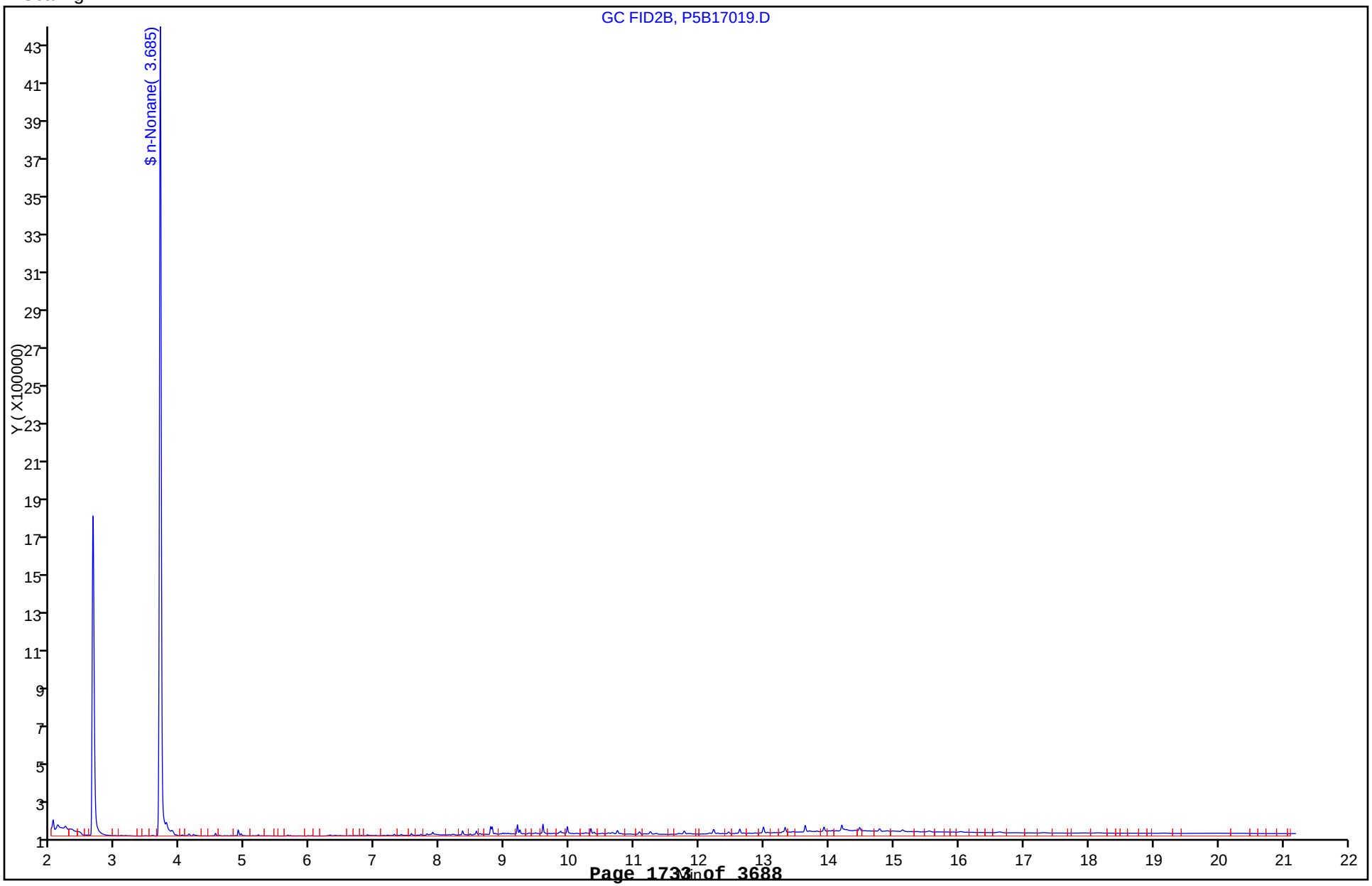
Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17019.D		
Lims ID:	240-22804-B-5-B	Client ID:	074SB-0012-0001-SO
Inject. Date:	17-Apr-2013 22:57:49	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018962-019		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	69
Lims Batch ID:	82321	Lims Sample ID:	19
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.685	3.698	-0.013	8725897	41.6	
A 12 C10-C20					
	4.847 - 9.964				
A 15 Diesel					
	4.847 - 13.324				
A 22 C20-C34					
	9.964 - 15.137				

Report Date: 18-Apr-2013 11:07:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17019.D		
Injection Date:	17-Apr-2013 22:57:49	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0012-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	19
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0023-0001-SO | Lab Sample ID: 240-22804-6

Matrix: Solid | Lab File ID: P6F18024.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/02/2013 16:25

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:04

Sample wt/vol: 29.83(g) | Date Analyzed: 04/19/2013 02:57

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	56		21	12	12
STL00272	C20-C34	220	M	21	12	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18024.D		
Lims ID:	240-22804-B-6-B	Client ID:	074SB-0023-0001-SO
Inject. Date:	19-Apr-2013 02:57:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019017-024		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	82537	Lims Sample ID:	24
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:48	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

First Level Reviewer: bolgrind Date: 19-Apr-2013 11:21:13

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	26.357					
A	2 C28-C36					
	15.076	13.664	-16.488	65620886	0	
A	3 C10-C34					
	10.232	5.098	- 15.366	243980665	1298.7	
A	4 C32-C44					
	20.521	14.684	-26.357	36684663	195.3	
A	5 C12-C22					
	8.715	6.497	- 10.932	71248131	379.3	
A	6 C22-C32					
	12.808	10.932	-14.684	64627585	344.0	
7	n-Octane					
	2.406	2.413	-0.007	86870	0	
$	8 n-Nonane					
	4.058	4.065	-0.007	10428919	54.8	
9	n-Decane					1
	5.098					
10	Dodecane					
	6.504	6.497	0.007	7216	0	
11	n-Tetradecane					
	7.589	7.584	0.005	220199	0	
A	12 C10-C20					
	7.626	5.098	- 10.153	50367534	268.1	
13	Hexadecane					
	8.531	8.529	0.002	379500	0	
A	14 C10-C28					
	9.364	5.064	- 13.664	173641781	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.312	5.098 - 13.526		166108389	884.2	
16 n-Octadecane					
9.380	9.379	0.001	219161	0	
A 17 C10-C32					
9.891	5.098 - 14.684		225891453	1202.4	
18 icosane					
10.152	10.153	-0.001	352398	0	
19 n-Docosane					
10.932	10.932	0.000	25922	0	
A 20 C12-C24					
9.232	6.497 - 11.967		99469818	529.5	
21 n-Tetracosane					
11.964	11.967	-0.003	3204	0	
A 22 C20-C34					M
12.759	10.153 - 15.366		194490707	1035.3	M
23 n-Hexacosane					
12.831	12.824	0.007	26384	0	
24 n-Octacosane					
13.527	13.526	0.001	10907	0	
25 Triacontane					
14.116	14.128	-0.012	4418	0	
26 Dotriacontane					
14.688	14.684	0.004	2013	0	
27 Tetratriacontane					
15.372	15.366	0.006	3178	0	
A 28 C24-C40					
15.746	11.967 - 19.526		157967346	840.9	
29 n-Hexatriacontane					
16.298	16.295	0.003	2068	0	
30 C38					
17.603	17.616	-0.013	2587	0	
31 C40					1
19.526					
A 32 C20-C36					
13.224	10.153 - 16.295		161955370	862.1	
A 33 C24-C44					
19.162	11.967 - 26.357		161947847	862.1	
A 34 C10-C24					
8.533	5.098 - 11.967		100665596	535.8	
$ 35 o-Terphenyl					
0.032	0.0	0.032	1972	0	

QC Flag Legend

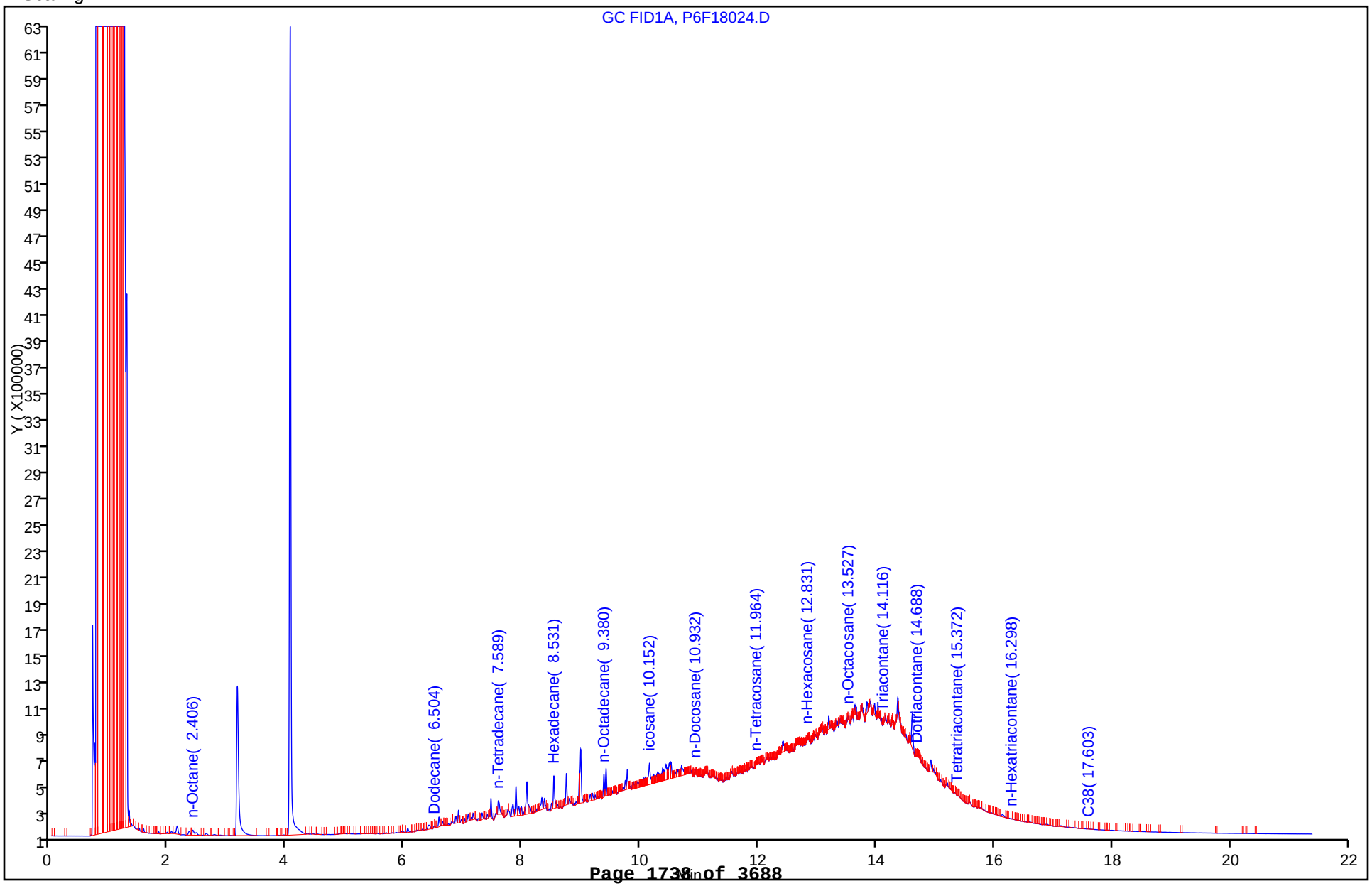
Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

Report Date: 19-Apr-2013 11:26:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18024.D		
Injection Date:	19-Apr-2013 02:57:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	24
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



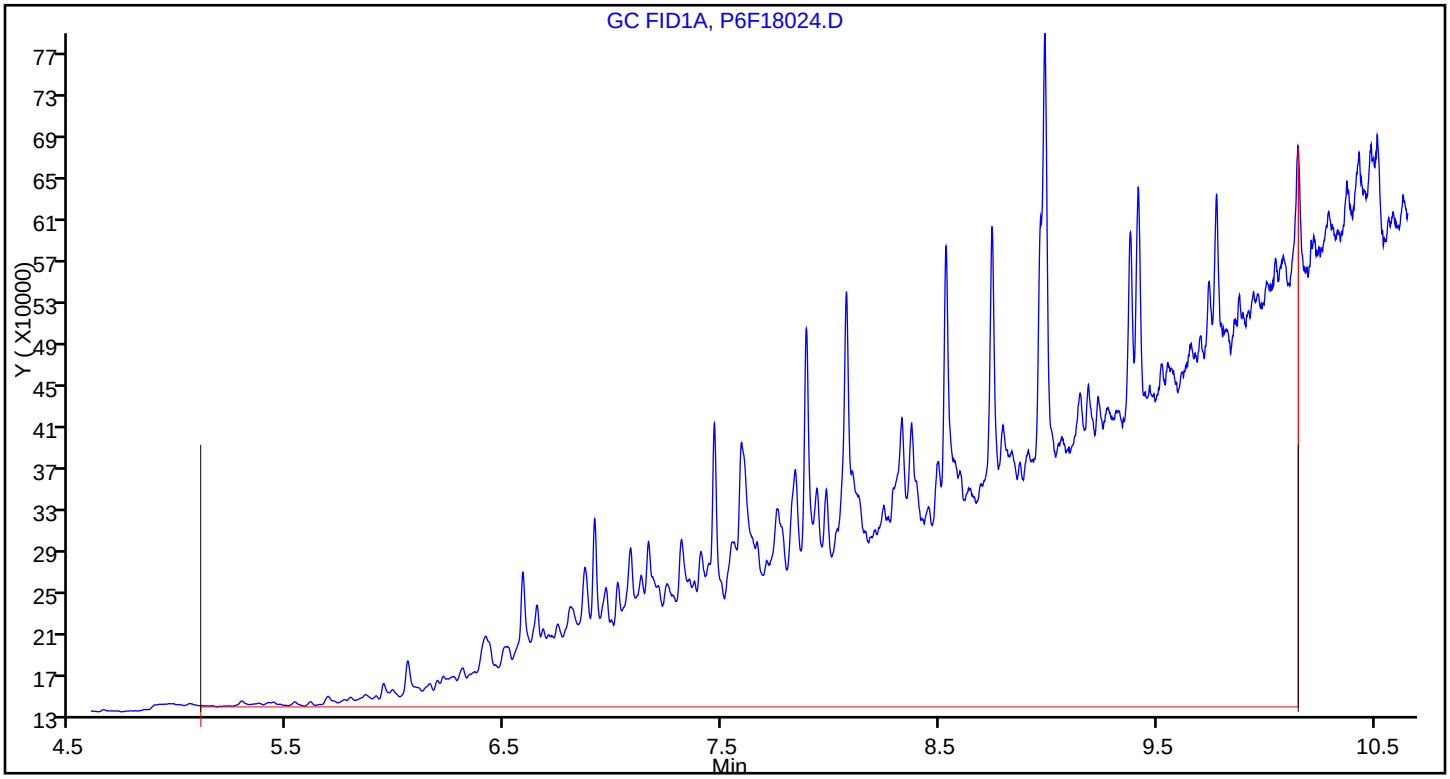
Report Date: 19-Apr-2013 11:26:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18024.D

Injection Date:	19-Apr-2013 02:57:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	24
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 12 C10-C20, Detector: 1, GC FID1A



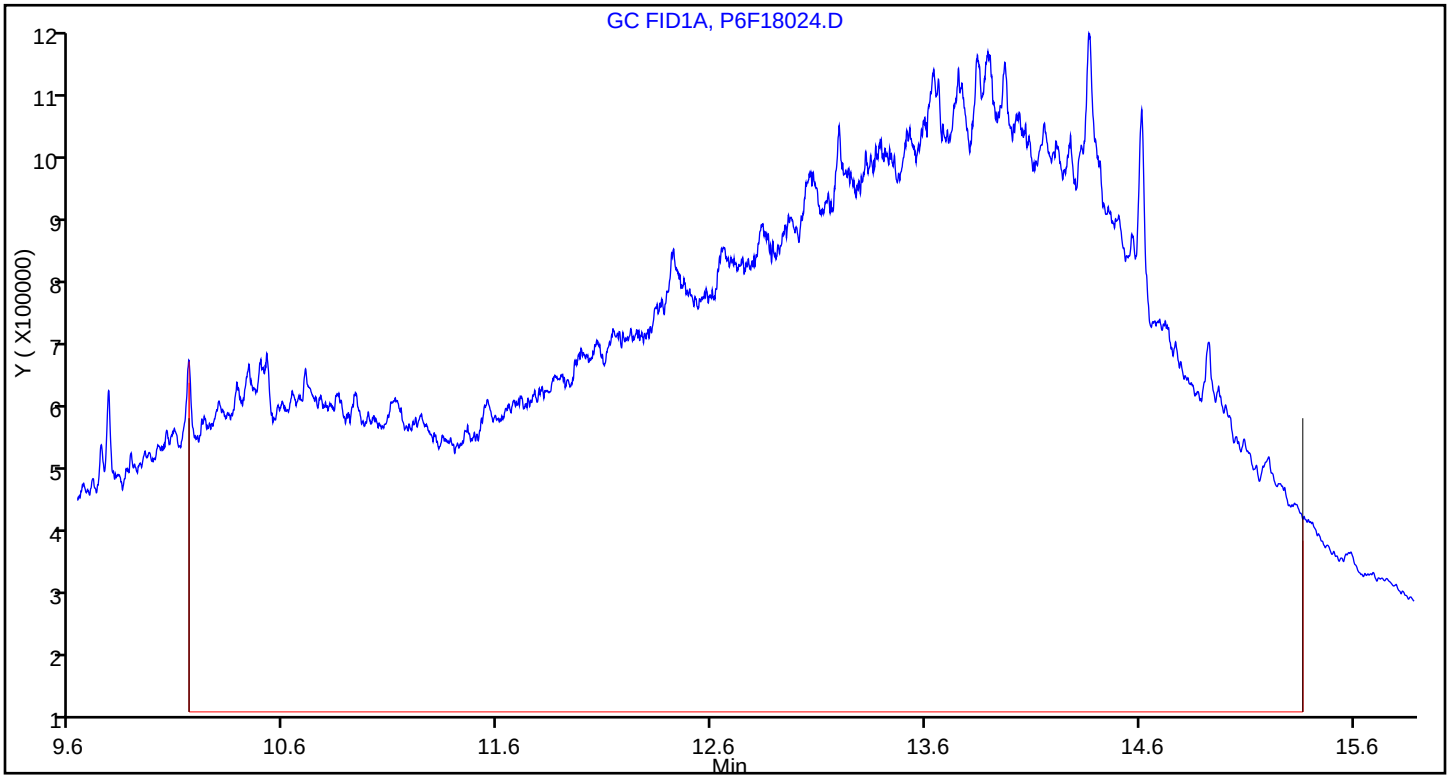
Report Date: 19-Apr-2013 11:26:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18024.D

Injection Date:	19-Apr-2013 02:57:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	24
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Detector: 1, GC FID1A



Manual Integration/User Assign Peak Report

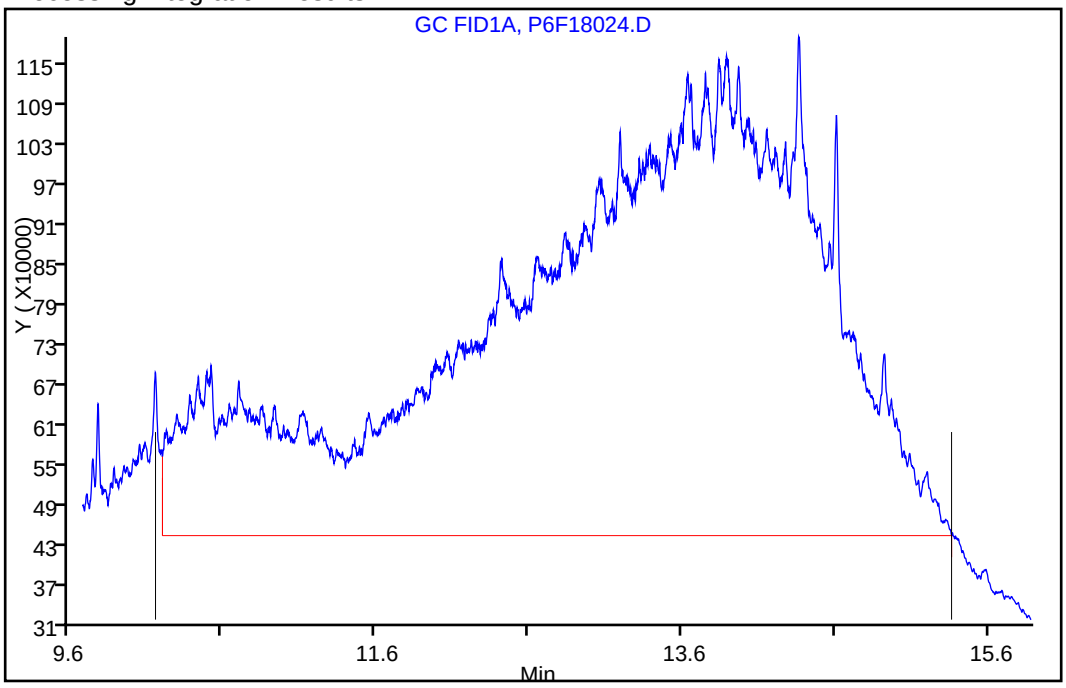
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18024.D		
Injection Date:	19-Apr-2013 02:57:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0023-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	24
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.76

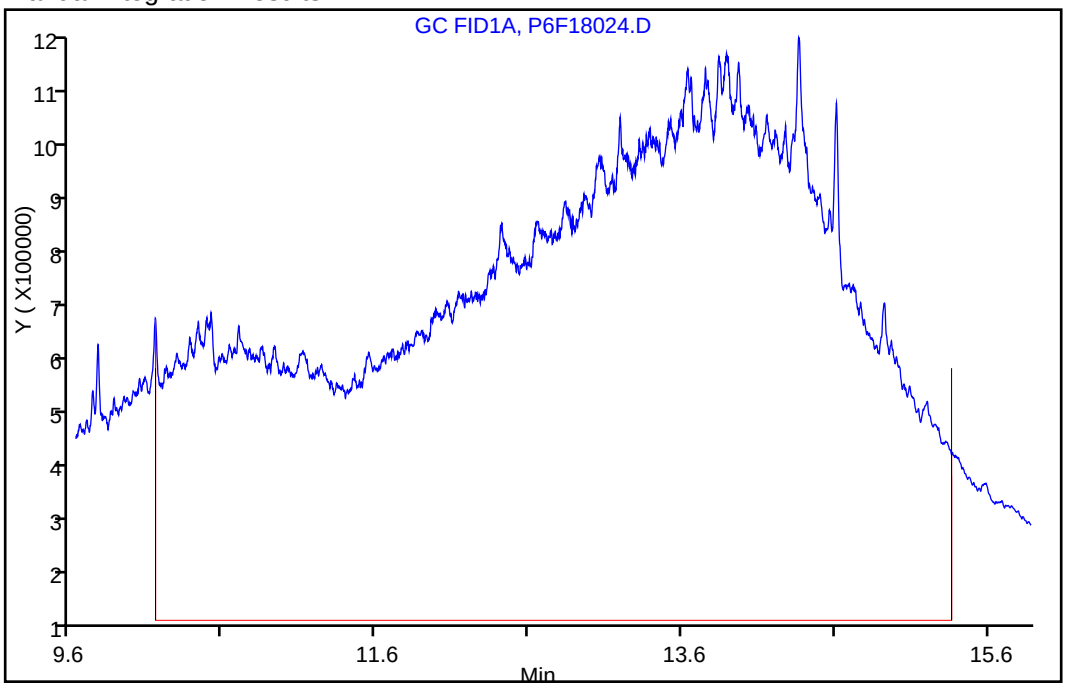
Processing Integration Results

RT: 12.78
Response: 101418878
Amount: 539.8589



Manual Integration Results

RT: 12.76
Response: 194490707
Amount: 1035.2859



Reviewer: bolgrind, 19-Apr-2013 11:21:13
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0024-0001-SO Lab Sample ID: 240-22804-7

Matrix: Solid Lab File ID: P6F18025.D

Analysis Method: 8015B_DRO/DOD Date Collected: 04/02/2013 16:50

Extraction Method: 3540C Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.04(g) Date Analyzed: 04/19/2013 03:28

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 15.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	47		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18025.D		
Lims ID:	240-22804-B-7-B	Client ID:	074SB-0024-0001-SO
Inject. Date:	19-Apr-2013 03:28:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019017-025		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	82537	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:48	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
		26.357				
A	2 C28-C36					
	15.076	13.664	-16.488	5953759	0	
A	3 C10-C34					
	10.232	5.098	- 15.366	17163618	91.4	
A	4 C32-C44					
	20.521	14.684	-26.357	6117237	32.6	
A	5 C12-C22					
		6.497	- 10.932			
A	6 C22-C32					
	12.808	10.932	-14.684	6279357	33.4	
	7 n-Octane					
	2.410	2.413	-0.003	74873	0	
$	8 n-Nonane					
	4.059	4.065	-0.006	8980656	47.2	
	9 n-Decane					1
		5.098				
	10 Dodecane					
	6.500	6.497	0.003	2360	0	
	11 n-Tetradecane					
	7.619	7.584	0.035	3065	0	
A	12 C10-C20					
		5.098	- 10.153			
	13 Hexadecane					
	8.544	8.529	0.015	5749	0	
A	14 C10-C28					
	9.364	5.064	- 13.664	10402864	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.312	5.098 - 13.526		9832296	52.3	
16 n-Octadecane					
9.396	9.379	0.017	2629	0	
A 17 C10-C32					
9.891	5.098 - 14.684		14695161	78.2	
18 icosane					
10.151	10.153	-0.002	434	0	
19 n-Docosane					
10.933	10.932	0.001	4430	0	
A 20 C12-C24					
	6.497 - 11.967				
21 n-Tetracosane					
11.972	11.967	0.005	2012	0	
A 22 C20-C34					
12.759	10.153 - 15.366		8665448	46.1	
23 n-Hexacosane					
12.824	12.824	0.000	4133	0	
24 n-Octacosane					
13.521	13.526	-0.005	11372	0	
25 Triacontane					
14.126	14.128	-0.002	7500	0	
26 Dotriacontane					
14.687	14.684	0.003	6653	0	
27 Tetratriacontane					
15.371	15.366	0.005	571	0	
A 28 C24-C40					
15.746	11.967 - 19.526		14088098	75.0	
29 n-Hexatriacontane					
16.331	16.295	0.036	459	0	
30 C38					
17.664	17.616	0.048	558	0	
31 C40					1
	19.526				
A 32 C20-C36					
13.224	10.153 - 16.295		9351587	49.8	
A 33 C24-C44					
19.162	11.967 - 26.357		15442549	82.2	
A 34 C10-C24					
8.533	5.098 - 11.967		5672703	30.2	
$ 35 o-Terphenyl					
0.031	0.0	0.031	2462	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

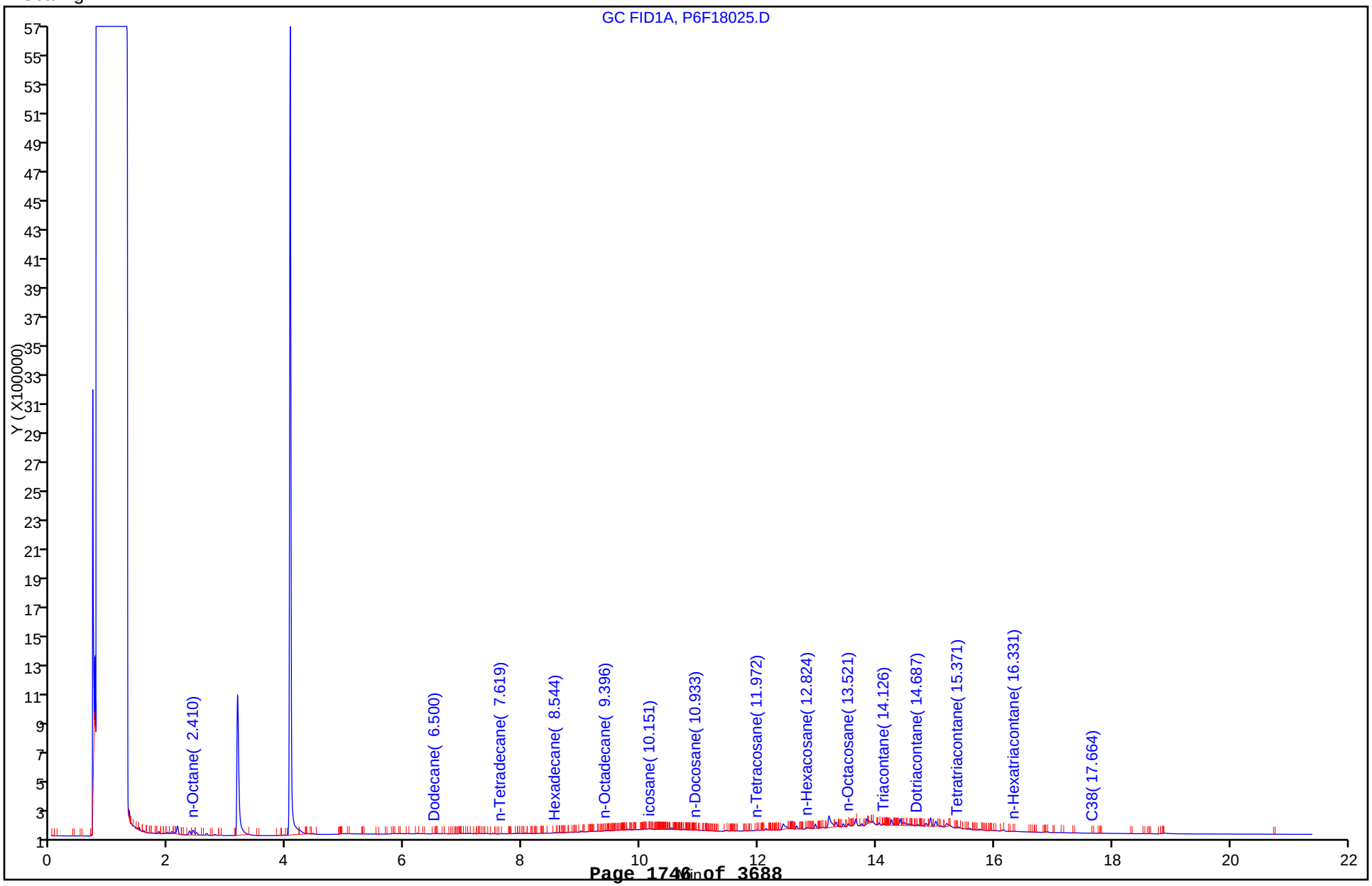
Report Date: 19-Apr-2013 11:26:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18025.D

Injection Date:	19-Apr-2013 03:28:36	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0024-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	25
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0025-0001-SO | Lab Sample ID: 240-22804-8

Matrix: Solid | Lab File ID: P6F18026.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/02/2013 17:35

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.07(g) | Date Analyzed: 04/19/2013 04:00

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	210		21	12	12
STL00272	C20-C34	230	M	21	12	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18026.D		
Lims ID:	240-22804-B-8-B	Client ID:	074SB-0025-0001-SO
Inject. Date:	19-Apr-2013 04:00:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019017-026		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	82537	Lims Sample ID:	26
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	22-Apr-2013 13:22:08	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: shockr Date: 22-Apr-2013 13:22:08

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane				1	
	26.357					
A	2 C28-C36					
	15.076	13.664	-16.488	93063592	0	
A	3 C10-C34					
	10.232	5.098	- 15.366	396792663	2112.2	
A	4 C32-C44					
	20.521	14.684	-26.357	56923525	303.0	
A	5 C12-C22					
	8.715	6.497	- 10.932	148131922	788.5	
A	6 C22-C32					
	12.808	10.932	-14.684	115550163	615.1	
7	n-Octane					
	2.411	2.413	-0.002	108632	0	
$	8 n-Nonane					
	4.058	4.065	-0.007	10422822	54.7	
9	n-Decane					
	5.097	5.098	-0.001	361105	0	
10	Dodecane					
	6.496	6.497	-0.001	4739886	0	
11	n-Tetradecane					
	7.582	7.584	-0.002	5922040	0	
A	12 C10-C20					
	7.601	5.098	- 10.153	187053449	995.7	
13	Hexadecane					
	8.528	8.529	-0.001	1812913	0	
A	14 C10-C28					
	9.364	5.064	- 13.664	306631962	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.312	5.098 - 13.526		296393101	1577.7	
16 n-Octadecane					
9.387	9.379	0.008	1153512	0	
A 17 C10-C32					
9.891	5.098 - 14.684		374622305	1994.1	
18 icosane					
10.153	10.153	0.000	409095	0	
19 n-Docosane					
10.929	10.932	-0.003	141981	0	
A 20 C12-C24					
9.232	6.497 - 11.967		168658971	897.8	
21 n-Tetracosane					
11.967	11.967	0.000	3833	0	
A 22 C20-C34					M
12.759	10.153 - 15.366		208983146	1112.4	M
23 n-Hexacosane					
12.817	12.824	-0.007	5103	0	
24 n-Octacosane					
13.523	13.526	-0.003	992766	0	
25 Triacontane					
14.120	14.128	-0.008	26400	0	
26 Dotriacontane					
14.684	14.684	0.000	33369	0	
27 Tetratriacontane					
15.372	15.366	0.006	3660	0	
A 28 C24-C40					
15.746	11.967 - 19.526		218226531	1161.6	
29 n-Hexatriacontane					
16.302	16.295	0.007	5787	0	
30 C38					
17.624	17.616	0.008	402	0	
31 C40					1
19.526					
A 32 C20-C36					
13.224	10.153 - 16.295		190705710	1015.1	
A 33 C24-C44					
19.162	11.967 - 26.357		225874909	1202.3	
A 34 C10-C24					
8.533	5.098 - 11.967		223836293	1191.5	
$ 35 o-Terphenyl					
0.031	0.0	0.031	2337	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

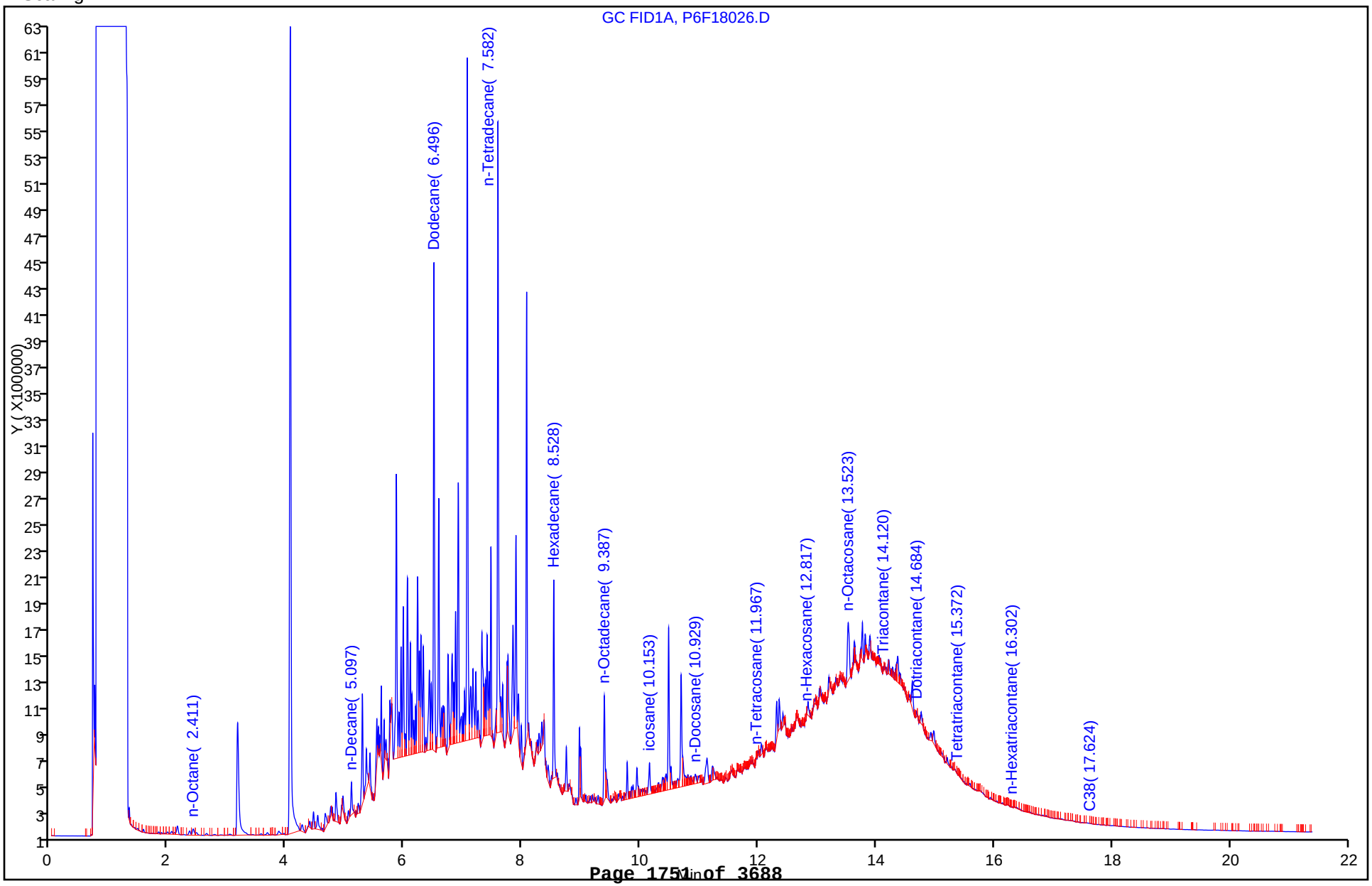
Report Date: 22-Apr-2013 13:22:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18026.D

Injection Date:	19-Apr-2013 04:00:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	26
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

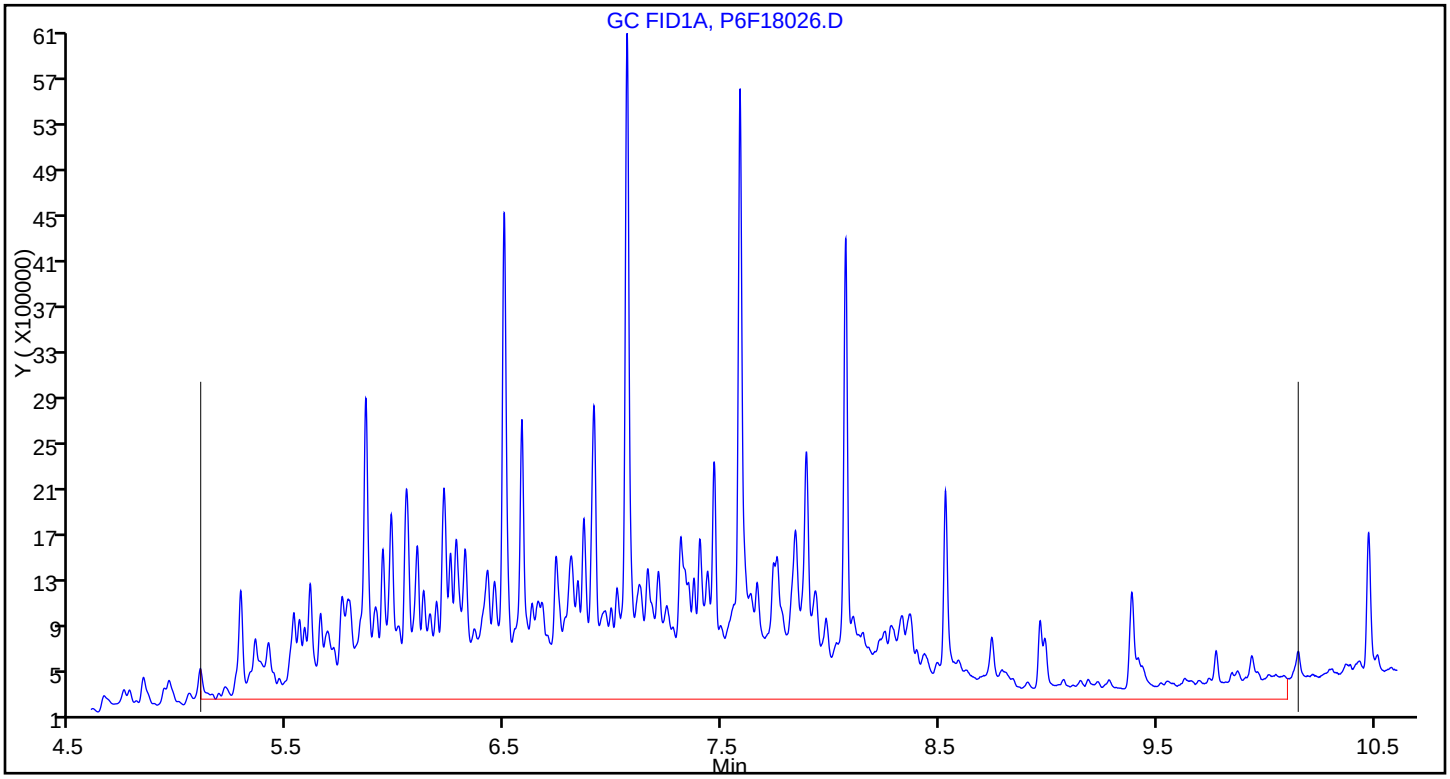


Report Date: 22-Apr-2013 13:22:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18026.D		
Injection Date:	19-Apr-2013 04:00:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	26
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 12 C10-C20, Detector: 1, GC FID1A

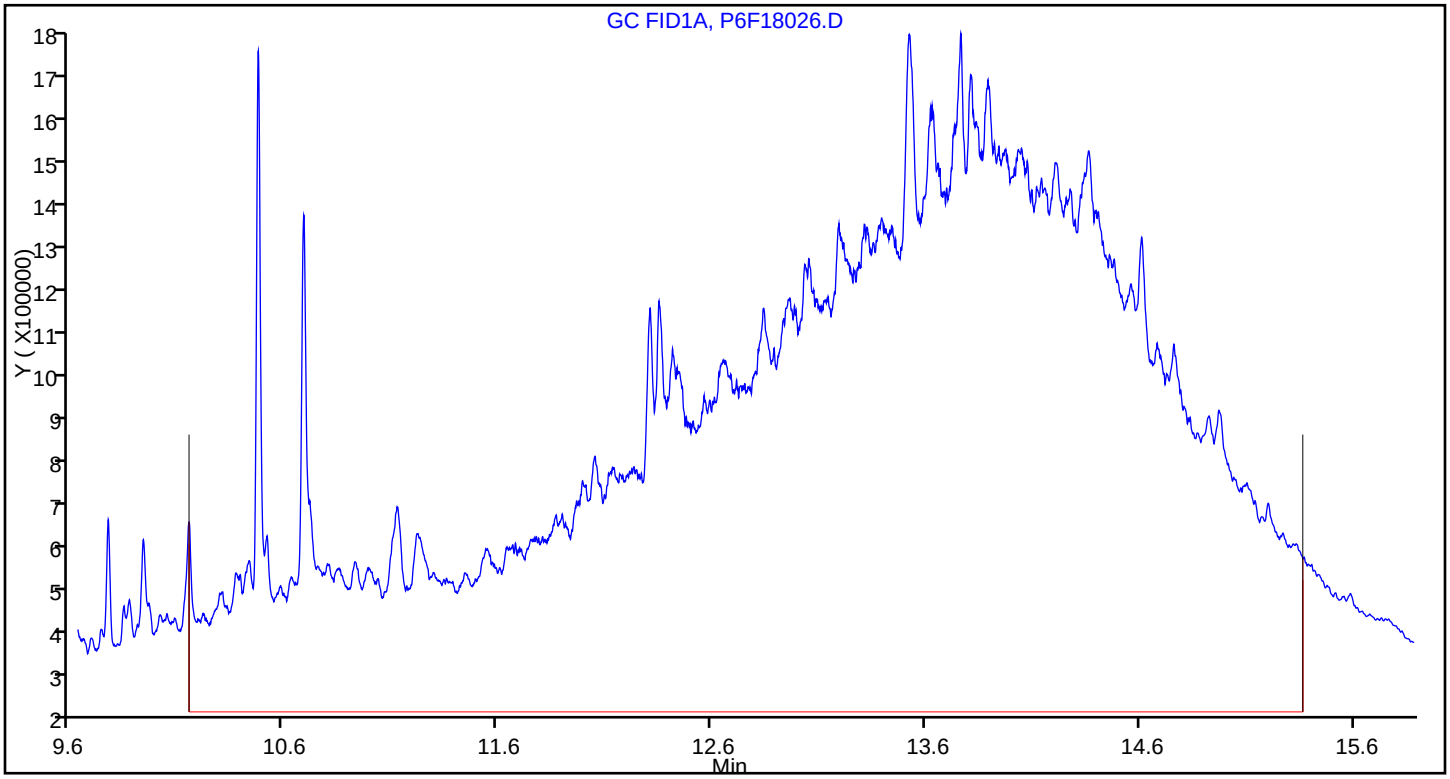


Report Date: 22-Apr-2013 13:22:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18026.D		
Injection Date:	19-Apr-2013 04:00:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	26
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Detector: 1, GC FID1A



Report Date: 22-Apr-2013 13:22:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

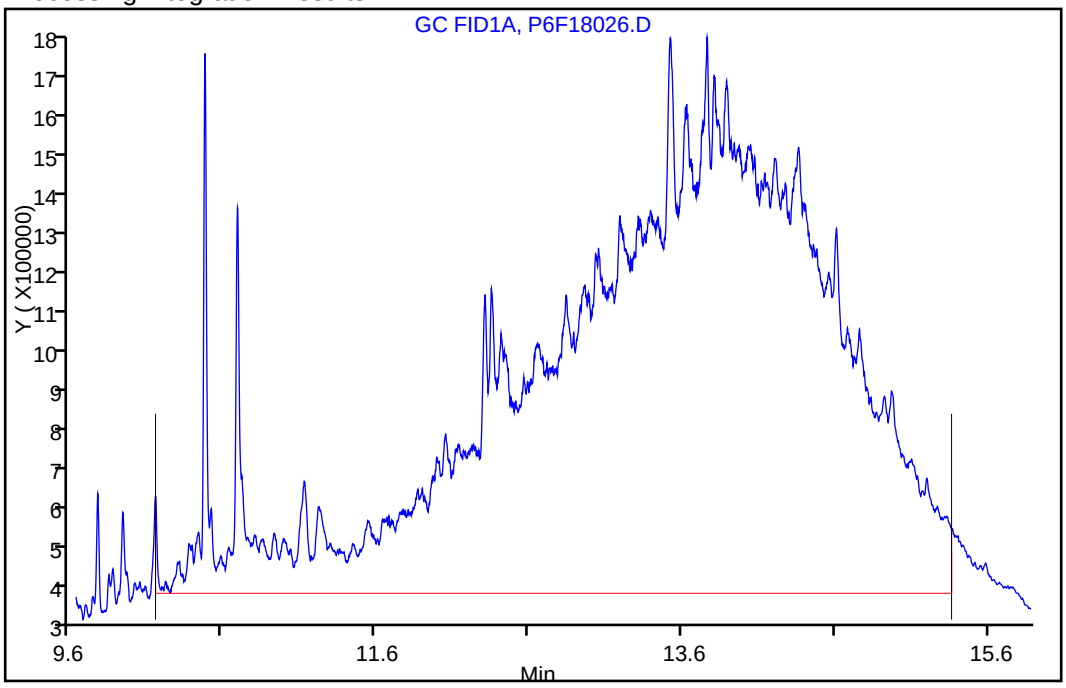
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18026.D		
Injection Date:	19-Apr-2013 04:00:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0025-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	26
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.76

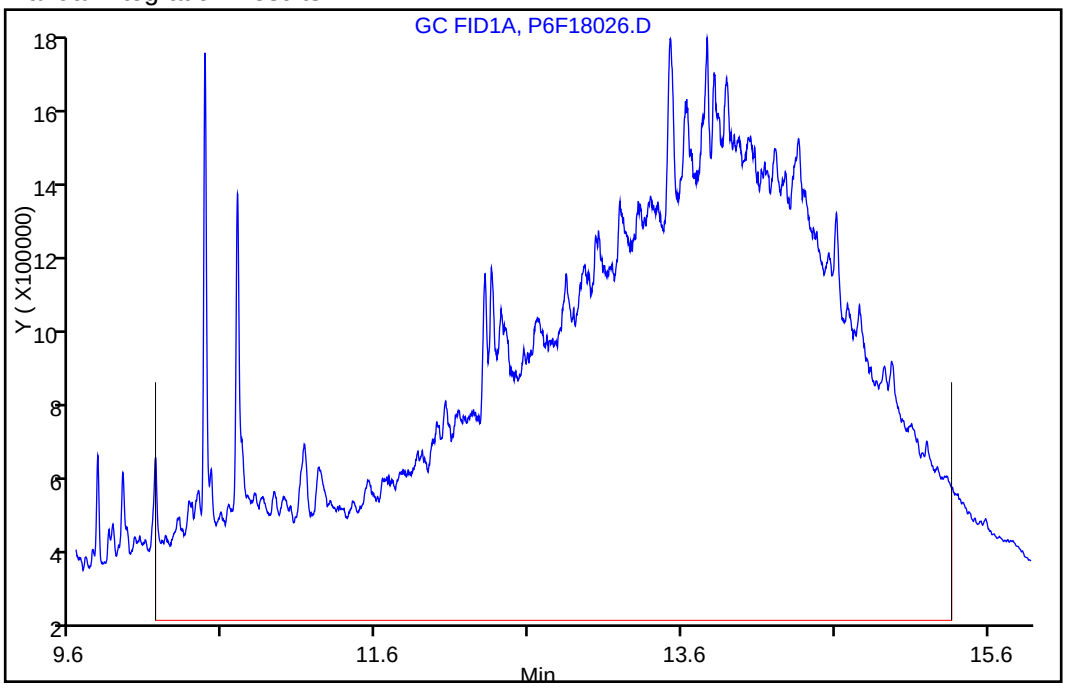
Processing Integration Results

RT: 12.76
Response: 150245255
Amount: 799.7646



Manual Integration Results

RT: 12.76
Response: 208983146
Amount: 1112.4300



Reviewer: shockr, 22-Apr-2013 13:22:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0026-0001-SO | Lab Sample ID: 240-22804-9

Matrix: Solid | Lab File ID: P5B17020.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 11:34

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 30.35(g) | Date Analyzed: 04/17/2013 23:28

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 21.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	12	U	21	12	12
STL00272	C20-C34	54	M	21	12	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	49		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17020.D		
Lims ID:	240-22804-B-9-B	Client ID:	074SB-0026-0001-SO
Inject. Date:	17-Apr-2013 23:28:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018962-020		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	70
Lims Batch ID:	82321	Lims Sample ID:	20
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 18-Apr-2013 10:56:53

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$	8 n-Nonane					
	3.694	3.698	-0.004	10381117	49.5	
A	12 C10-C20					
	7.378	4.847 -	9.964	6305927	36.7	
A	15 Diesel					
	9.086	4.847 -	13.324	23690830	137.9	
A	22 C20-C34					M
	12.550	9.964 -	15.137	44350135	258.2	M

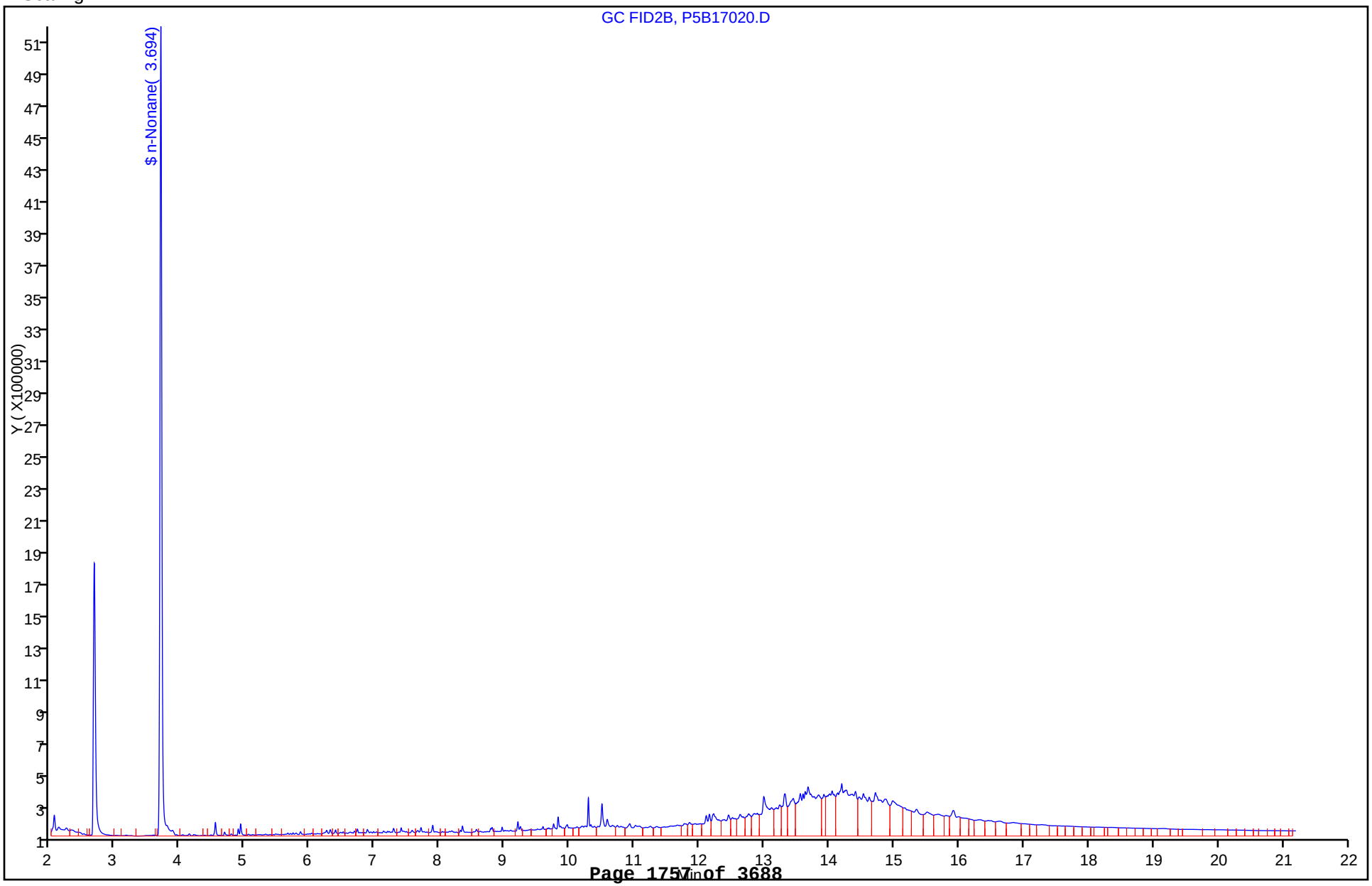
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Apr-2013 11:07:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17020.D		
Injection Date:	17-Apr-2013 23:28:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	20
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			

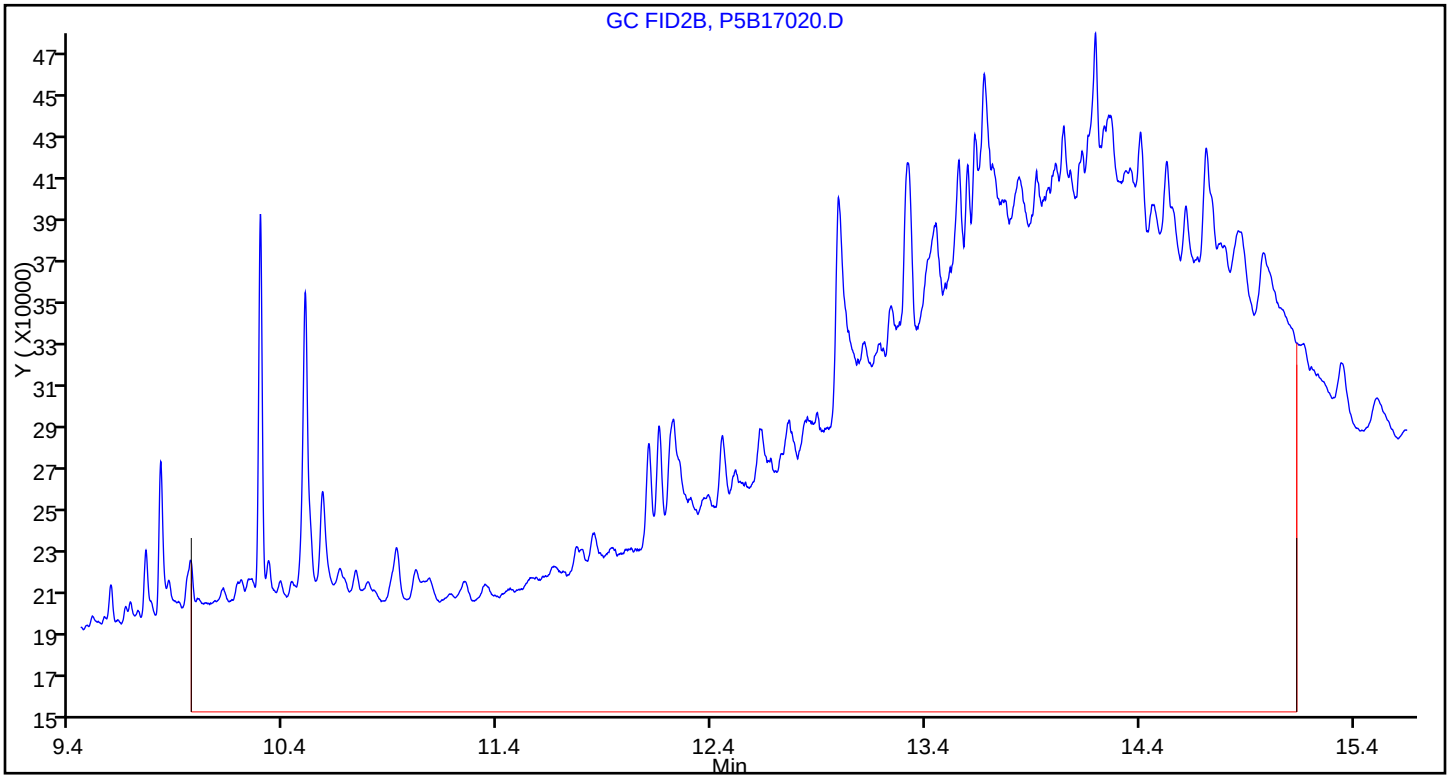


Report Date: 18-Apr-2013 11:07:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17020.D		
Injection Date:	17-Apr-2013 23:28:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	20
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Detector: 1, GC FID1A



Report Date: 18-Apr-2013 11:07:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

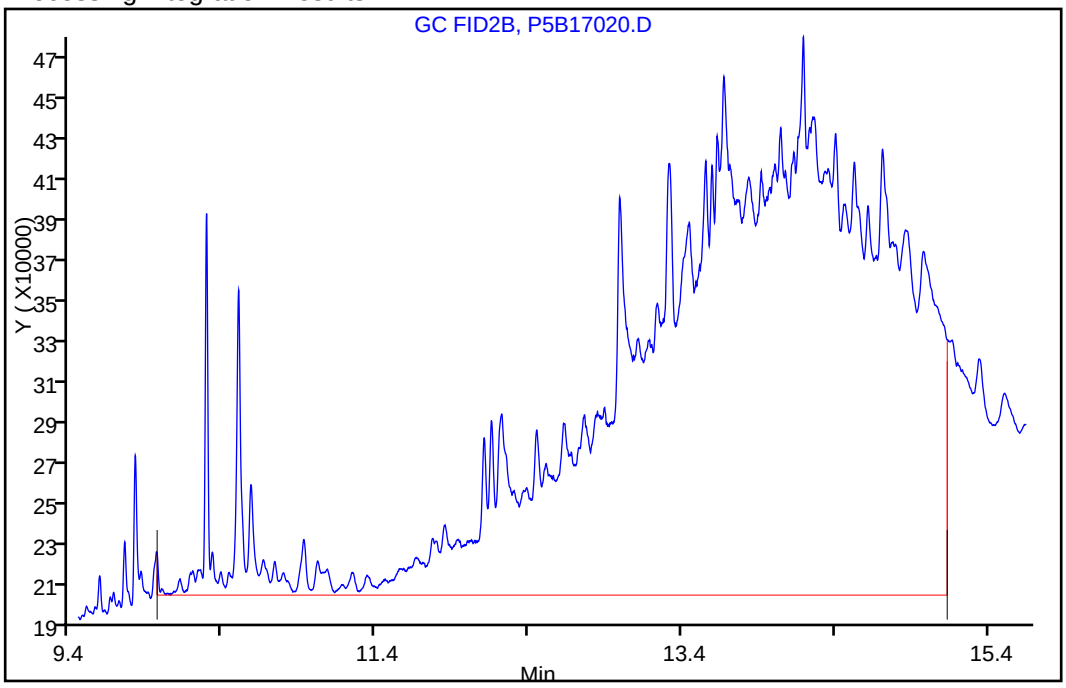
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17020.D		
Injection Date:	17-Apr-2013 23:28:07	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0026-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	20
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.55

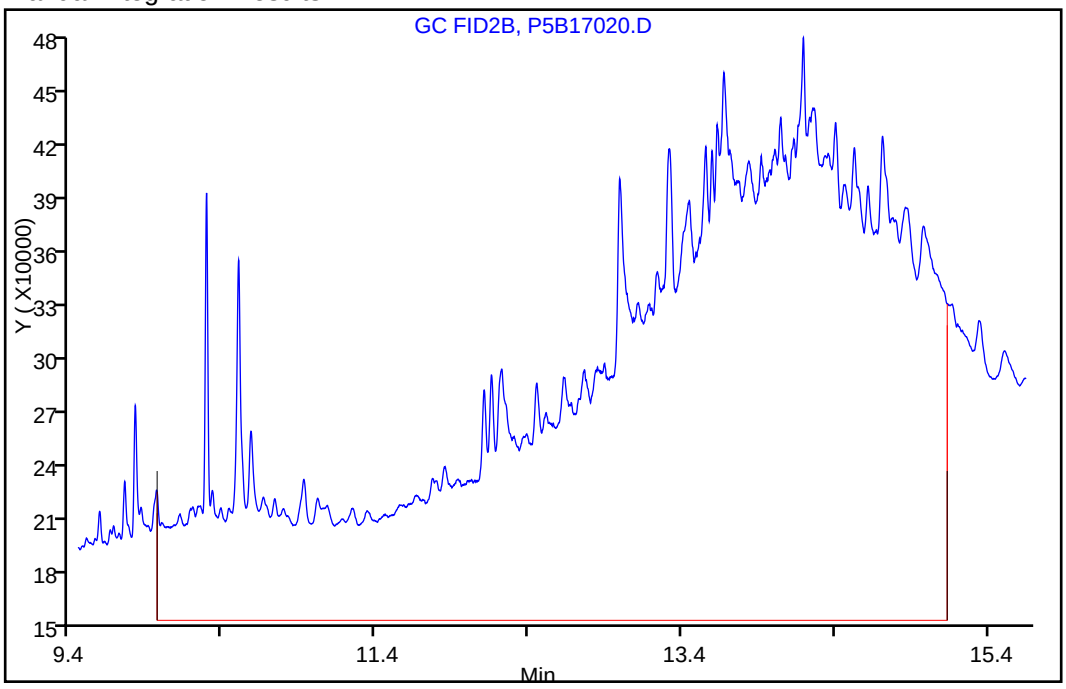
Processing Integration Results

RT: 12.55
Response: 28531840
Amount: 166.1286



Manual Integration Results

RT: 12.55
Response: 44350135
Amount: 258.2317



Reviewer: bolgrind, 18-Apr-2013 10:56:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0027-0001-SO | Lab Sample ID: 240-22804-10

Matrix: Solid | Lab File ID: P5B17021.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 12:05

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 30.02(g) | Date Analyzed: 04/17/2013 23:58

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 15.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	37		10-110

TestAmerica Canton
Target Compound Quantitation Report

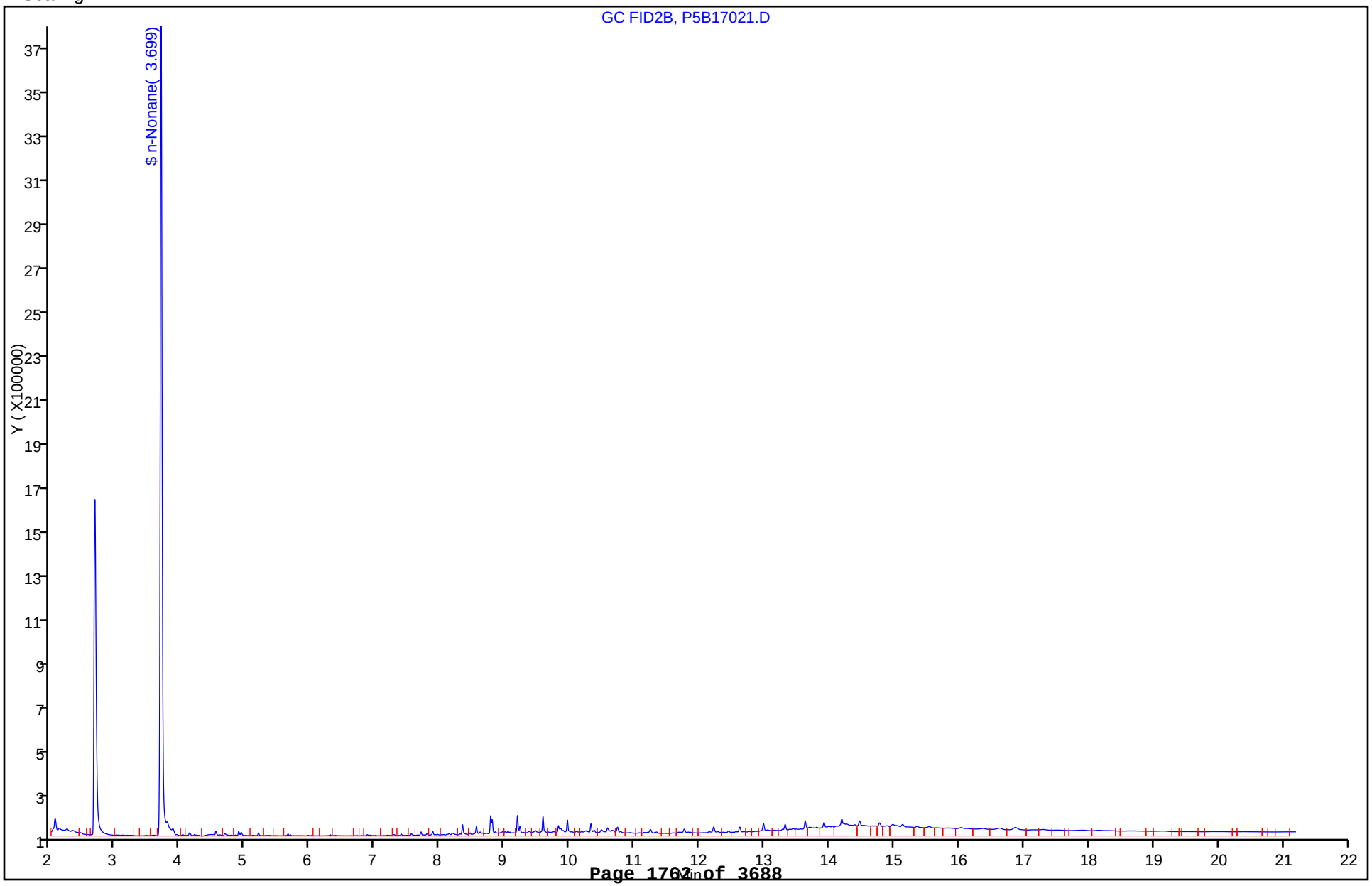
Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17021.D		
Lims ID:	240-22804-B-10-B	Client ID:	074SB-0027-0001-SO
Inject. Date:	17-Apr-2013 23:58:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018962-021		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	71
Lims Batch ID:	82321	Lims Sample ID:	21
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.699	3.698	0.001	7745493	36.9	
A 12 C10-C20					
	4.847 - 9.964				
A 15 Diesel					
9.086	4.847 - 13.324		6384253	37.2	
A 22 C20-C34					
	9.964 - 15.137				

Report Date: 18-Apr-2013 11:07:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17021.D		
Injection Date:	17-Apr-2013 23:58:35	Limit Group:	GC 8015C TPH ICAL
Client ID:	074SB-0027-0001-SO	Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	21
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: P5B10013.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 15:00

Extraction Method: 3520C | Date Extracted: 04/06/2013 10:03

Sample wt/vol: 1000(mL) | Date Analyzed: 04/10/2013 17:45

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81310 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	240	U	500	240	240
STL00272	C20-C34	240	U	500	240	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	54		10-110

TestAmerica Canton
Target Compound Quantitation Report

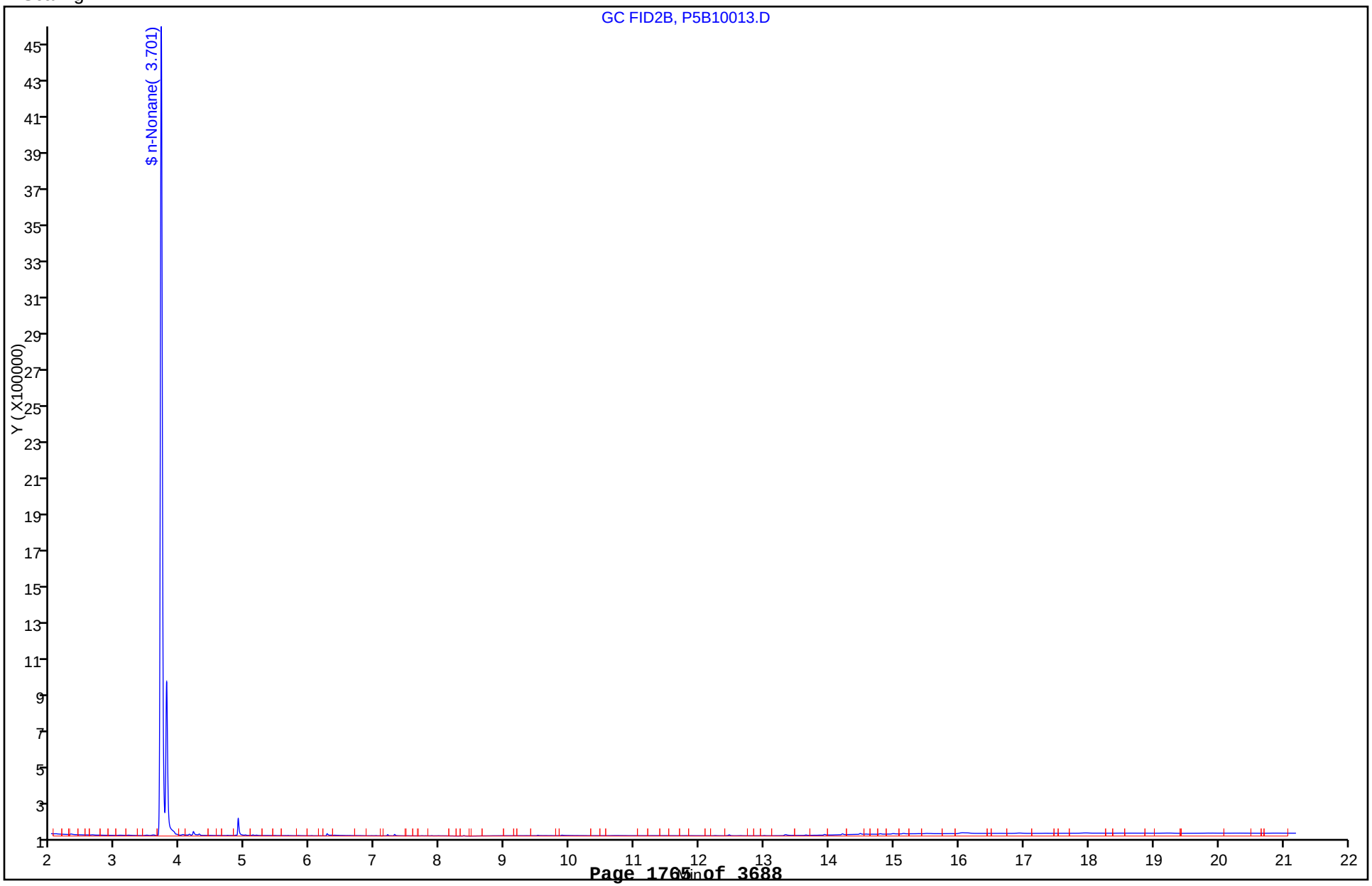
Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10013.D		
Lims ID:	240-22804-F-11-A	Client ID:	079RN-0317-0001-RN
Inject. Date:	10-Apr-2013 17:45:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018725-013		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	63
Lims Batch ID:	81310	Lims Sample ID:	13
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:27	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.701	3.706	-0.005	11313031	53.9	
A 12 C10-C20					
	4.851 - 9.969				
A 15 Diesel					
	4.851 - 13.331				
A 22 C20-C34					
	9.969 - 15.149				

Report Date: 11-Apr-2013 12:18:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10013.D		
Injection Date:	10-Apr-2013 17:45:20	Limit Group:	GC 8015C TPH ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	13
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 77903

SDG No.:

Instrument ID: A2HP5R GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2013 16:19 Calibration End Date: 03/11/2013 18:22 Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.097	9.097	9.097	9.097	9.097						4.858 - 13.335	9.097
n-Nonane	3.719	3.725	3.725	3.727	3.728						3.649 - 3.789	3.725

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 77903

SDG No.:

Instrument ID: A2HP5R GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2013 16:19 Calibration End Date: 03/11/2013 18:22 Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.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								
Diesel Range Organics [C10 - C28]	154517 193069	189436	191622	190865	Ave		183901.941				9.0		20.0			
n-Nonane	171256 208715	206452	209883	206826	Ave		200626.379				8.2		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton | Job No.: 240-22804-1 | Analy Batch No.: 77903

SDG No.:

Instrument ID: A2HP5R | GC Column: | ID: | Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2013 16:19 | Calibration End Date: 03/11/2013 18:22 | Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.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
Diesel Range Organics [C10 - C28]	Ave	15451723	37887160	95811018	190865171	386138932	100	200	500	1000	2000
n-Nonane	Ave	1712562	4129035	10494139	20682585	41743063	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11004.D		
Lims ID:	STD1 DIESEL	Client ID:	
Inject. Date:	11-Mar-2013 16:19:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0017906-004		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	77903	Lims Sample ID:	4
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m		
Last Update:	12-Mar-2013 10:27:08	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.719	3.719	0.000	1712562	8.54	
A 15 Diesel					
9.097	4.858 - 13.335		15451723	84.0	

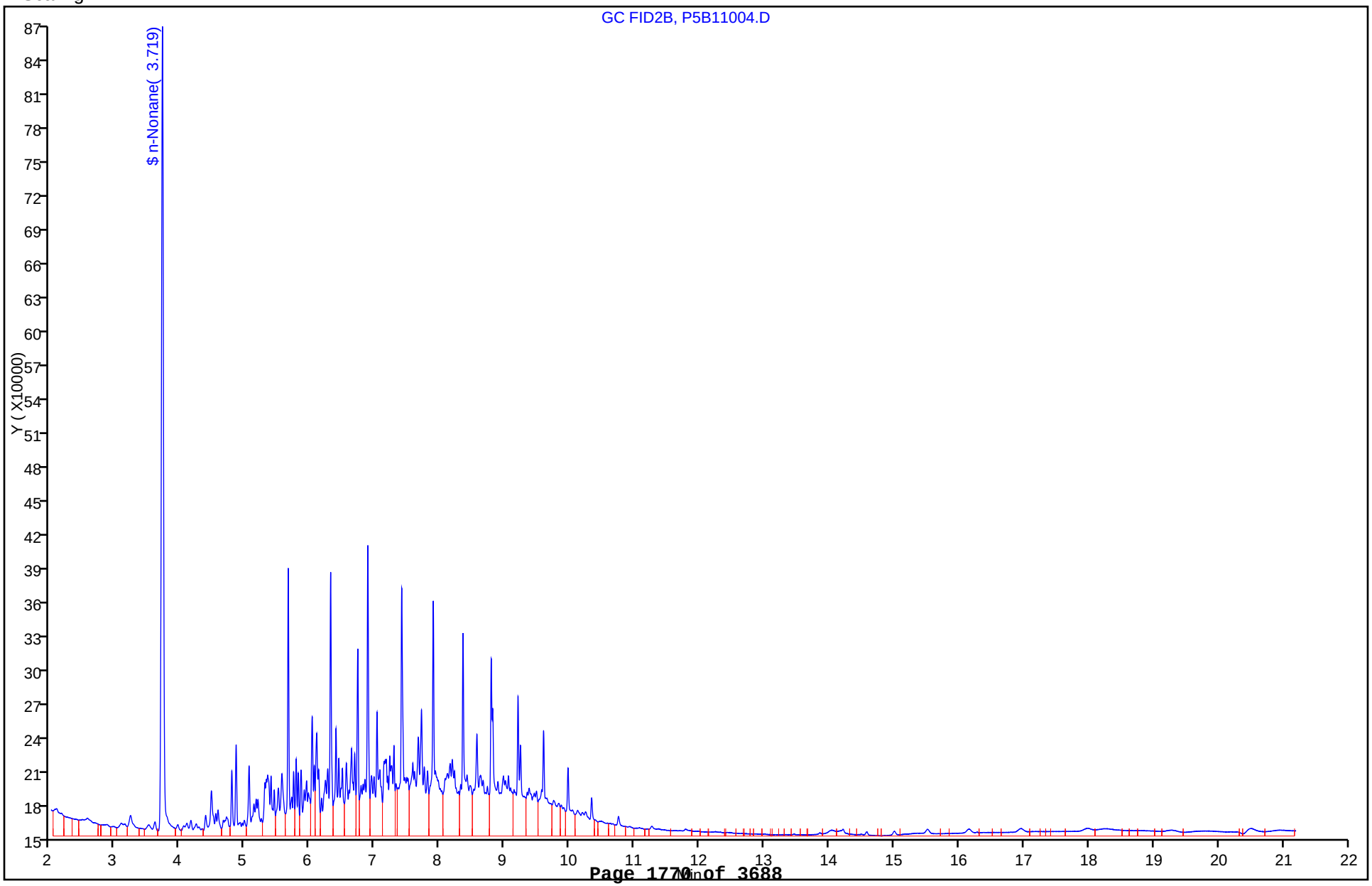
Report Date: 12-Mar-2013 10:27:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11004.D

Injection Date:	11-Mar-2013 16:19:09	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	77903	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

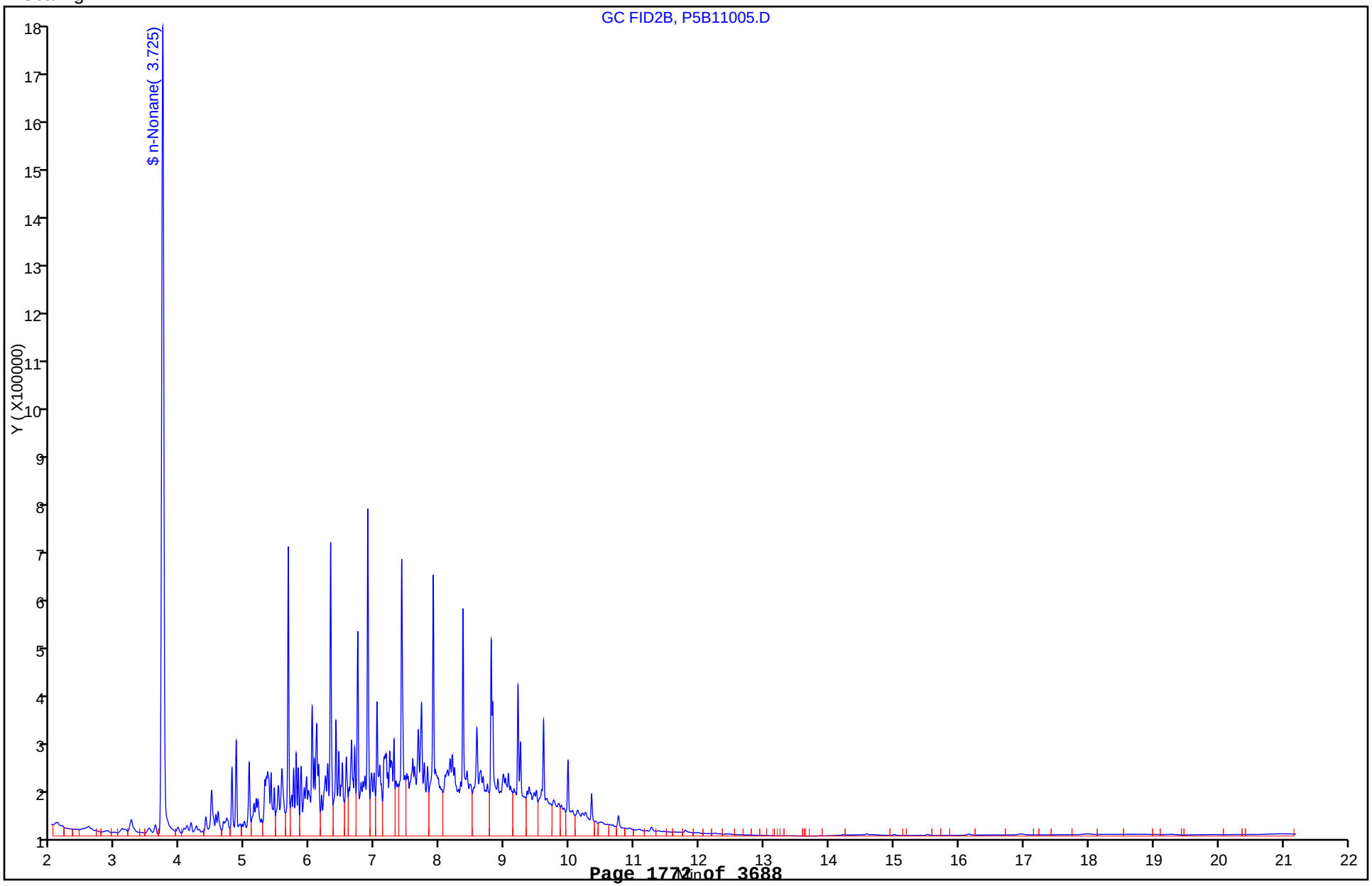
Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11005.D		
Lims ID:	STD2 DIESEL	Client ID:	
Inject. Date:	11-Mar-2013 16:50:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0017906-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	77903	Lims Sample ID:	5
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m		
Last Update:	12-Mar-2013 10:27:09	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.725	3.719	0.006	4129035	20.6	
A 15 Diesel					
9.097	4.858 - 13.335		37887160	206.0	

Report Date: 12-Mar-2013 10:27:09 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11005.D		
Injection Date:	11-Mar-2013 16:50:00	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	77903	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11006.D		
Lims ID:	STD3 DIESEL	Client ID:	
Inject. Date:	11-Mar-2013 17:20:43	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0017906-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	56
Lims Batch ID:	77903	Lims Sample ID:	6
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m		
Last Update:	12-Mar-2013 10:27:10	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.725	3.719	0.006	10494139	52.3	
A 15 Diesel					
9.097	4.858 - 13.335		95811018	521.0	

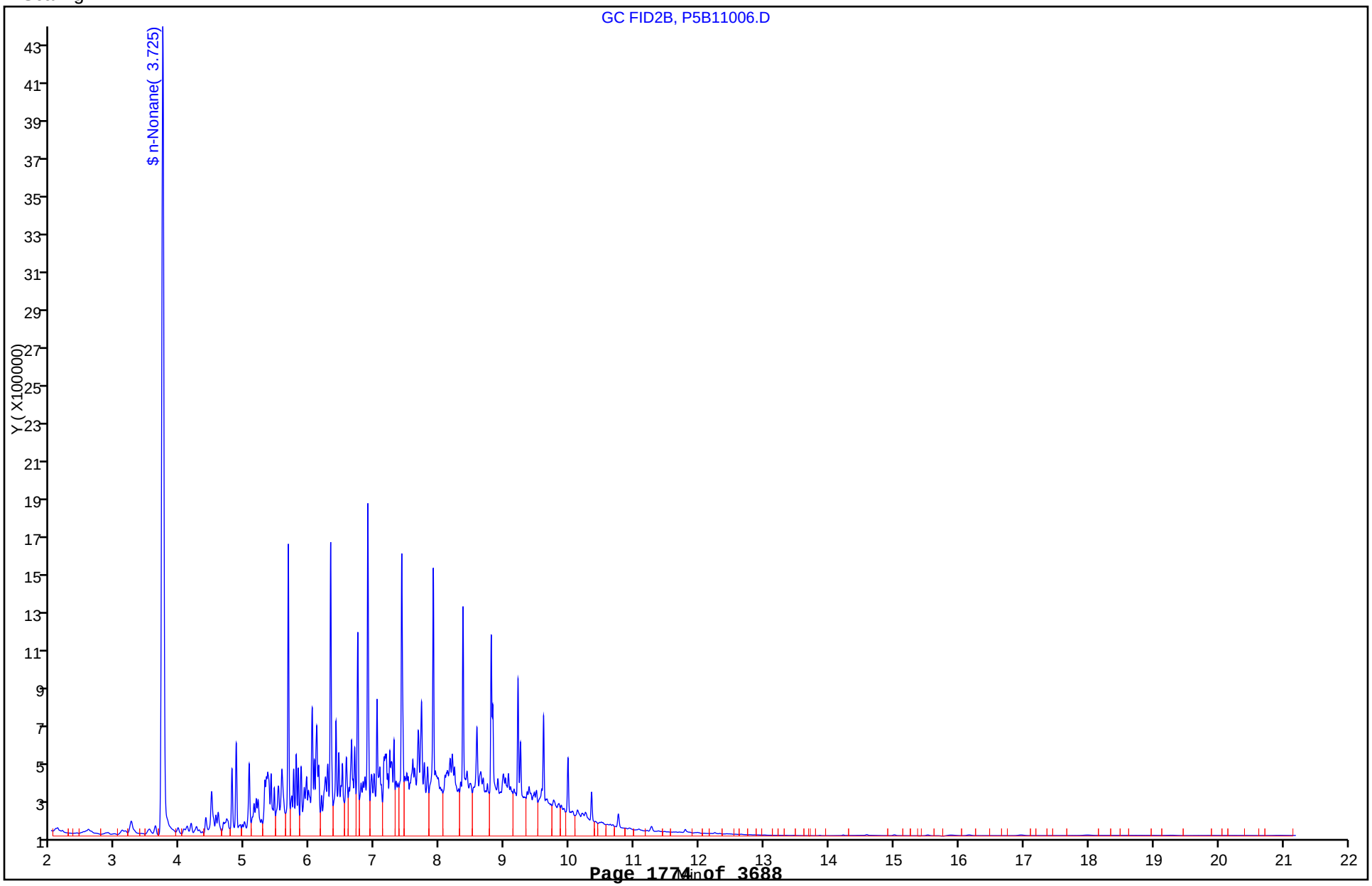
Report Date: 12-Mar-2013 10:27:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11006.D

Injection Date:	11-Mar-2013 17:20:43	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	77903	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11007.D		
Lims ID:	STD4 DIESEL	Client ID:	
Inject. Date:	11-Mar-2013 17:51:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0017906-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	57
Lims Batch ID:	77903	Lims Sample ID:	7
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m		
Last Update:	12-Mar-2013 10:27:11	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.727	3.719	0.008	20682585	103.1	
A 15 Diesel					
9.097	4.858 - 13.335		190865171	1037.9	

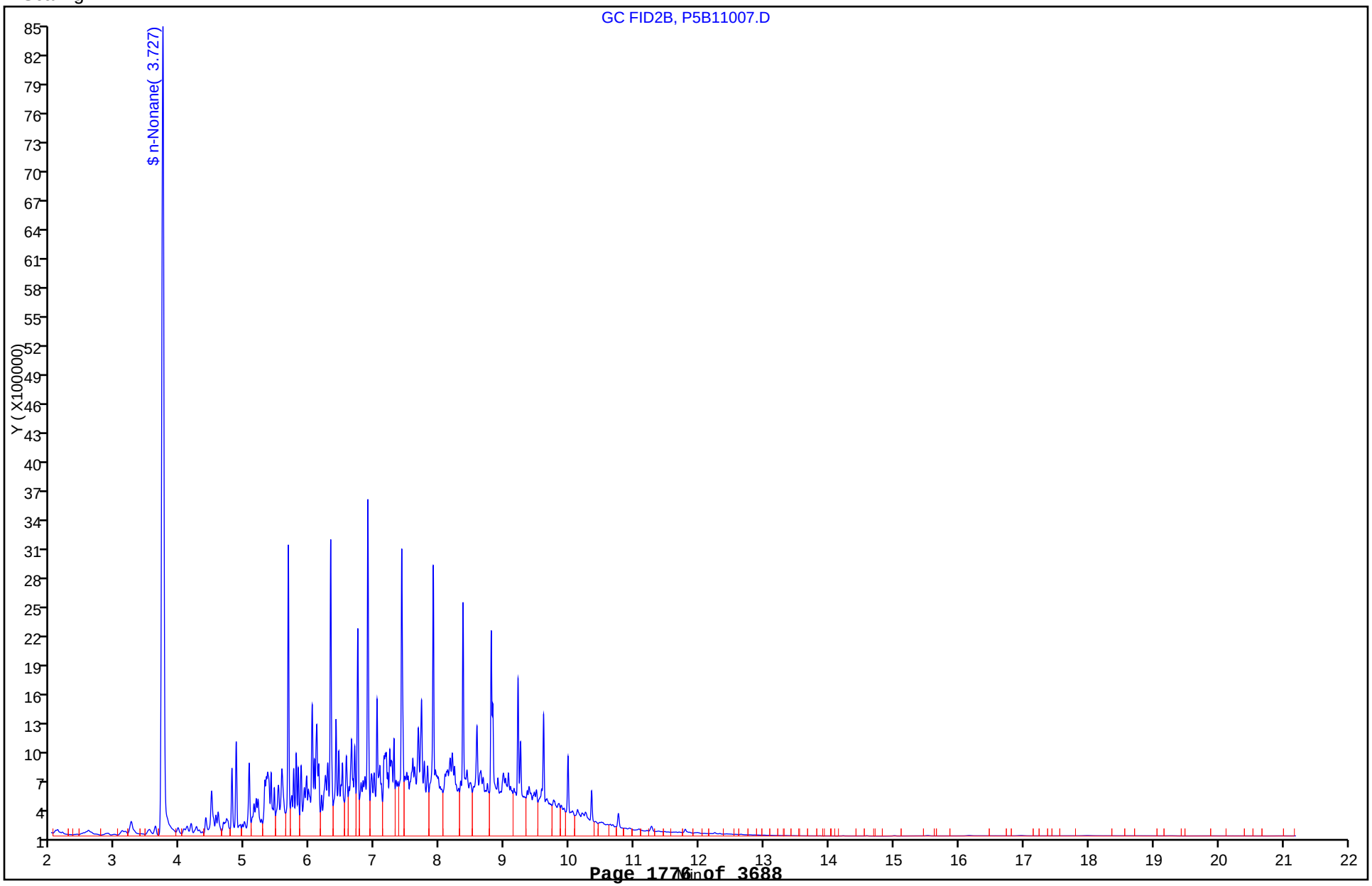
Report Date: 12-Mar-2013 10:27:11 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11007.D

Injection Date:	11-Mar-2013 17:51:32	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	77903	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Lims ID:	STD5 DIESEL	Client ID:	
Inject. Date:	11-Mar-2013 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0017906-008		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	58
Lims Batch ID:	77903	Lims Sample ID:	8
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m		
Last Update:	12-Mar-2013 10:27:12	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.728	3.719	0.009	41743063	208.1	
A 15 Diesel					
9.097	4.858 - 13.335		386138932	2099.7	

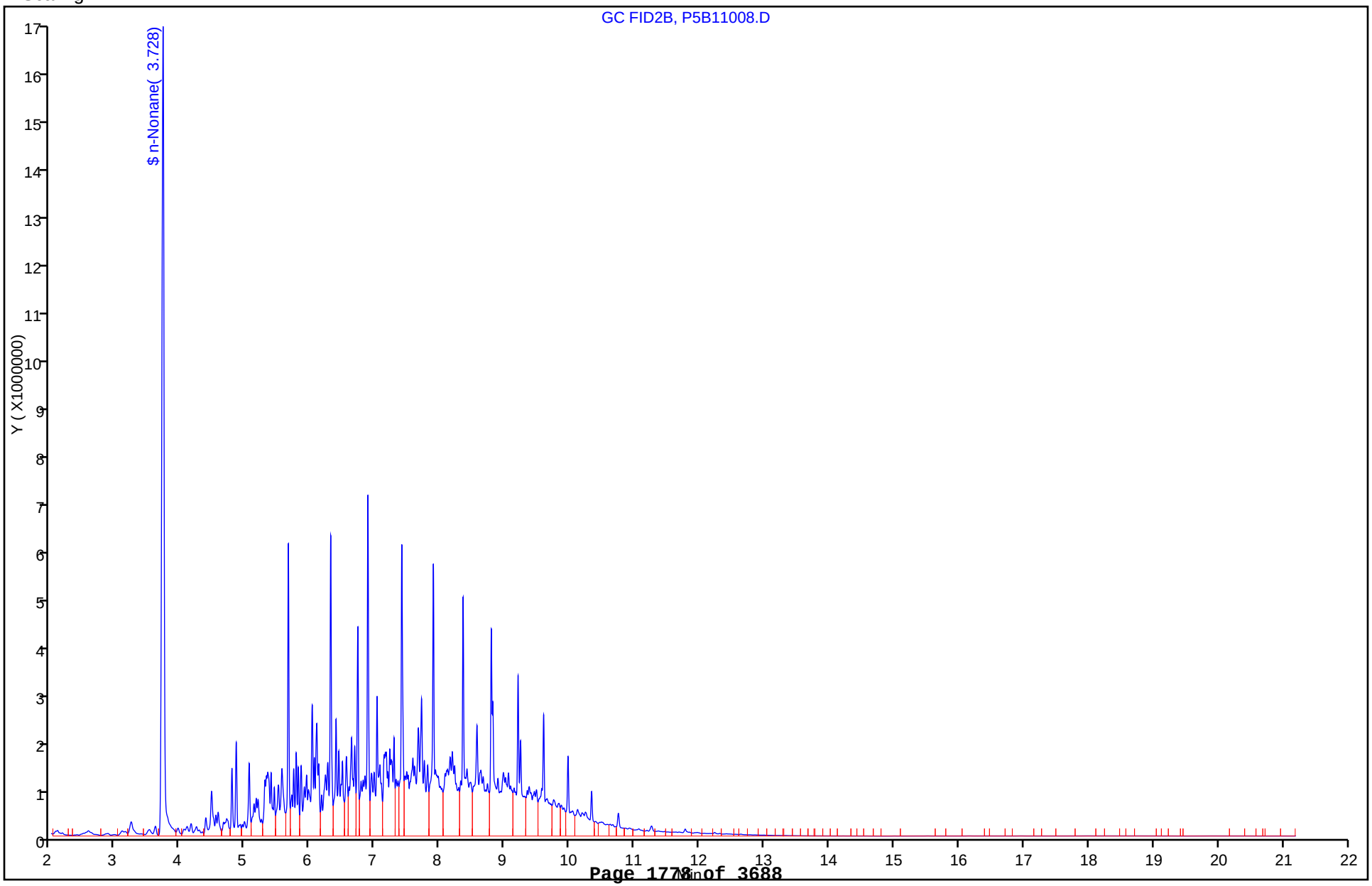
Report Date: 12-Mar-2013 10:27:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D

Injection Date:	11-Mar-2013 18:22:16	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	77903	Lims Sample ID:	8
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 81310

SDG No.:

Instrument ID: A2HP5R GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2013 12:17 Calibration End Date: 04/10/2013 14:20 Calibration ID: 14446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81310/4	P5B10004.D
Level 2	STD2 240-81310/5	P5B10005.D
Level 3	ICRT 240-81310/6	P5B10006.D
Level 4	STD4 240-81310/7	P5B10007.D
Level 5	STD5 240-81310/8	P5B10008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.091	9.091	9.091	9.091	9.091						4.851 - 13.331	9.091
n-Nonane	3.706	3.706	3.707	3.707	3.709						3.636 - 3.776	3.707

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 81310

SDG No.:

Instrument ID: A2HP5R GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2013 12:17 Calibration End Date: 04/10/2013 14:20 Calibration ID: 14446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81310/4	P5B10004.D
Level 2	STD2 240-81310/5	P5B10005.D
Level 3	ICRT 240-81310/6	P5B10006.D
Level 4	STD4 240-81310/7	P5B10007.D
Level 5	STD5 240-81310/8	P5B10008.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								
Diesel Range Organics [C10 - C28]	173074 170344	166250	177421	171640	Ave		171745.504				2.4		20.0			
n-Nonane	215472 204787	205221	215030	208337	Ave		209769.433				2.5		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.: 240-22804-1 Analy Batch No.: 81310

SDG No.:

Instrument ID: A2HP5R GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2013 12:17 Calibration End Date: 04/10/2013 14:20 Calibration ID: 14446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81310/4	P5B10004.D
Level 2	STD2 240-81310/5	P5B10005.D
Level 3	ICRT 240-81310/6	P5B10006.D
Level 4	STD4 240-81310/7	P5B10007.D
Level 5	STD5 240-81310/8	P5B10008.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
Diesel Range Organics [C10 - C28]	Ave	17307357	33249953	88710272	171639672	340687939	100	200	500	1000	2000
n-Nonane	Ave	2154723	4104413	10751498	20833721	40957409	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10004.D		
Lims ID:	STD1 DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 12:17:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018725-004		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	81310	Lims Sample ID:	4
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:23	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.706	3.706	0.000	2154723	10.3	
A 15 Diesel					
9.091	4.851 - 13.331		17307357	100.8	

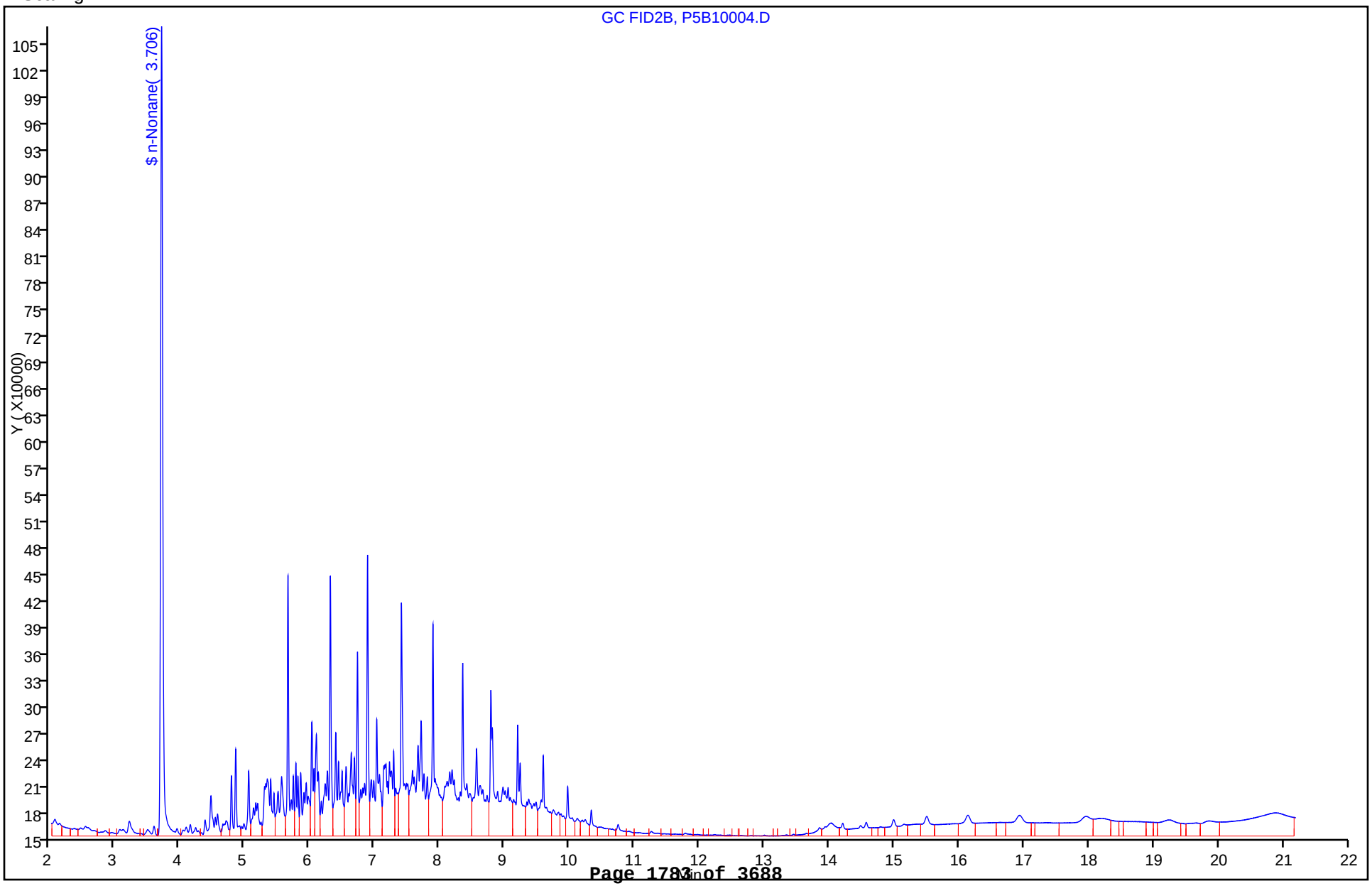
Report Date: 11-Apr-2013 12:18:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10004.D

Injection Date:	10-Apr-2013 12:17:37	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	4
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10005.D		
Lims ID:	STD2 DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 12:48:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018725-005		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	81310	Lims Sample ID:	5
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:24	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.706	3.706	0.000	4104413	19.6	
A 15 Diesel					
9.091	4.851 - 13.331		33249953	193.6	

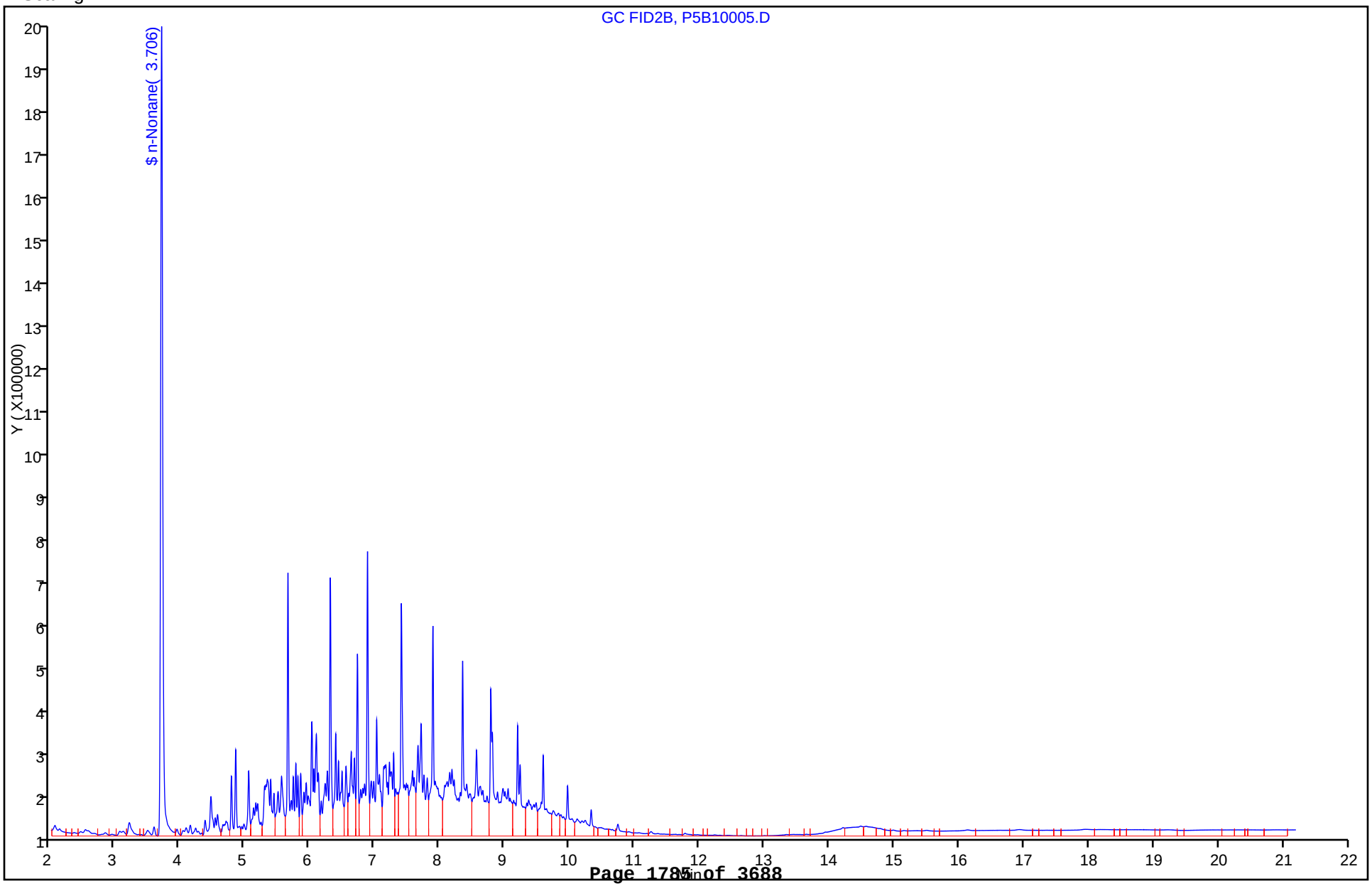
Report Date: 11-Apr-2013 12:18:25 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10005.D

Injection Date:	10-Apr-2013 12:48:26	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	5
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10006.D		
Lims ID:	STD3 DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 13:19:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018725-006		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	56
Lims Batch ID:	81310	Lims Sample ID:	6
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:25	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.707	3.706	0.001	10751498	51.3	
A 15 Diesel					
9.091	4.851 - 13.331		88710272	516.5	

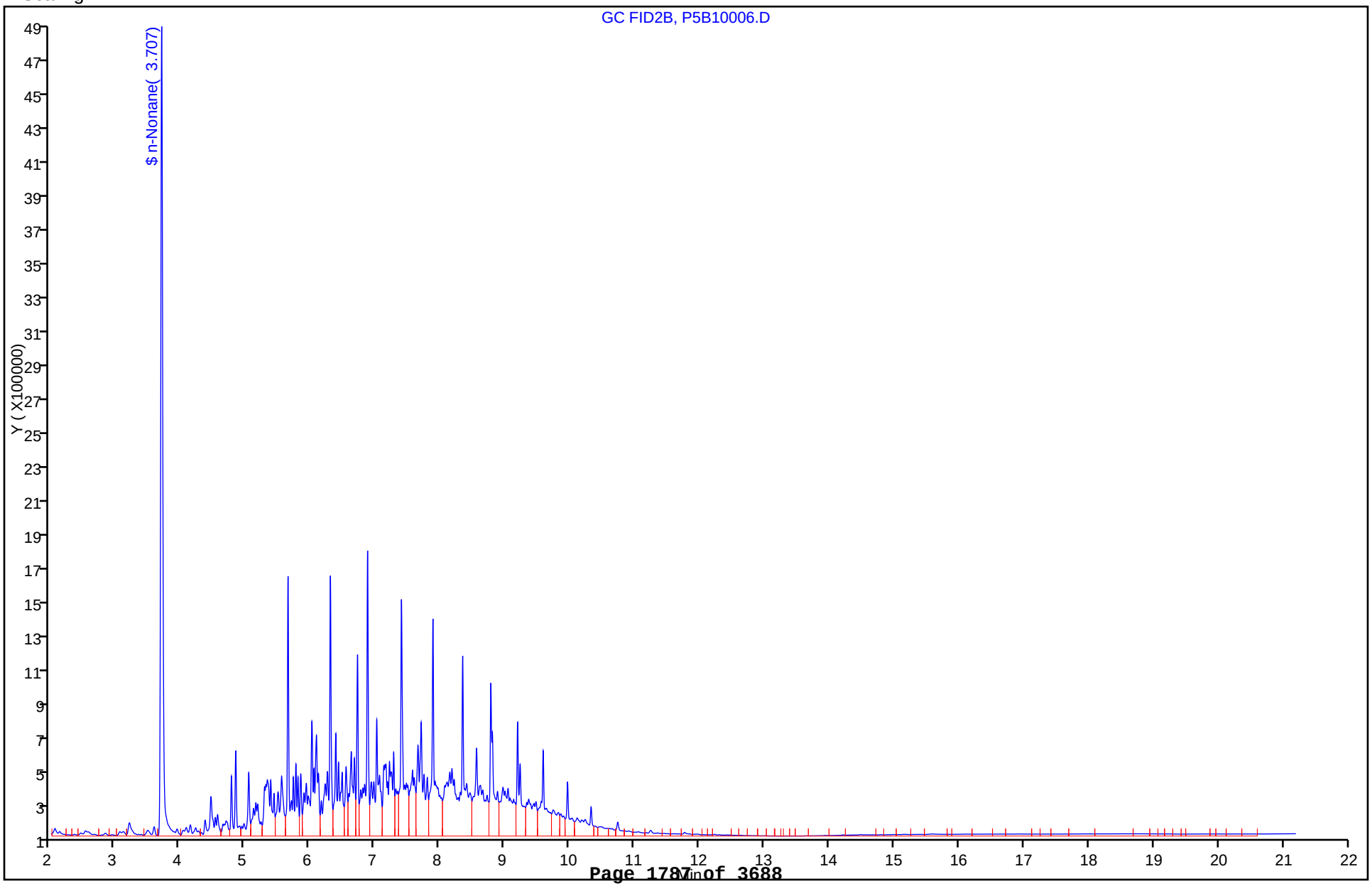
Report Date: 11-Apr-2013 12:18:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10006.D

Injection Date:	10-Apr-2013 13:19:00	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	6
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10007.D		
Lims ID:	STD4 DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 13:49:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0018725-007		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	57
Lims Batch ID:	81310	Lims Sample ID:	7
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:26	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.707	3.706	0.001	20833721	99.3	
A 15 Diesel					
9.091	4.851 - 13.331		171639672	999.4	

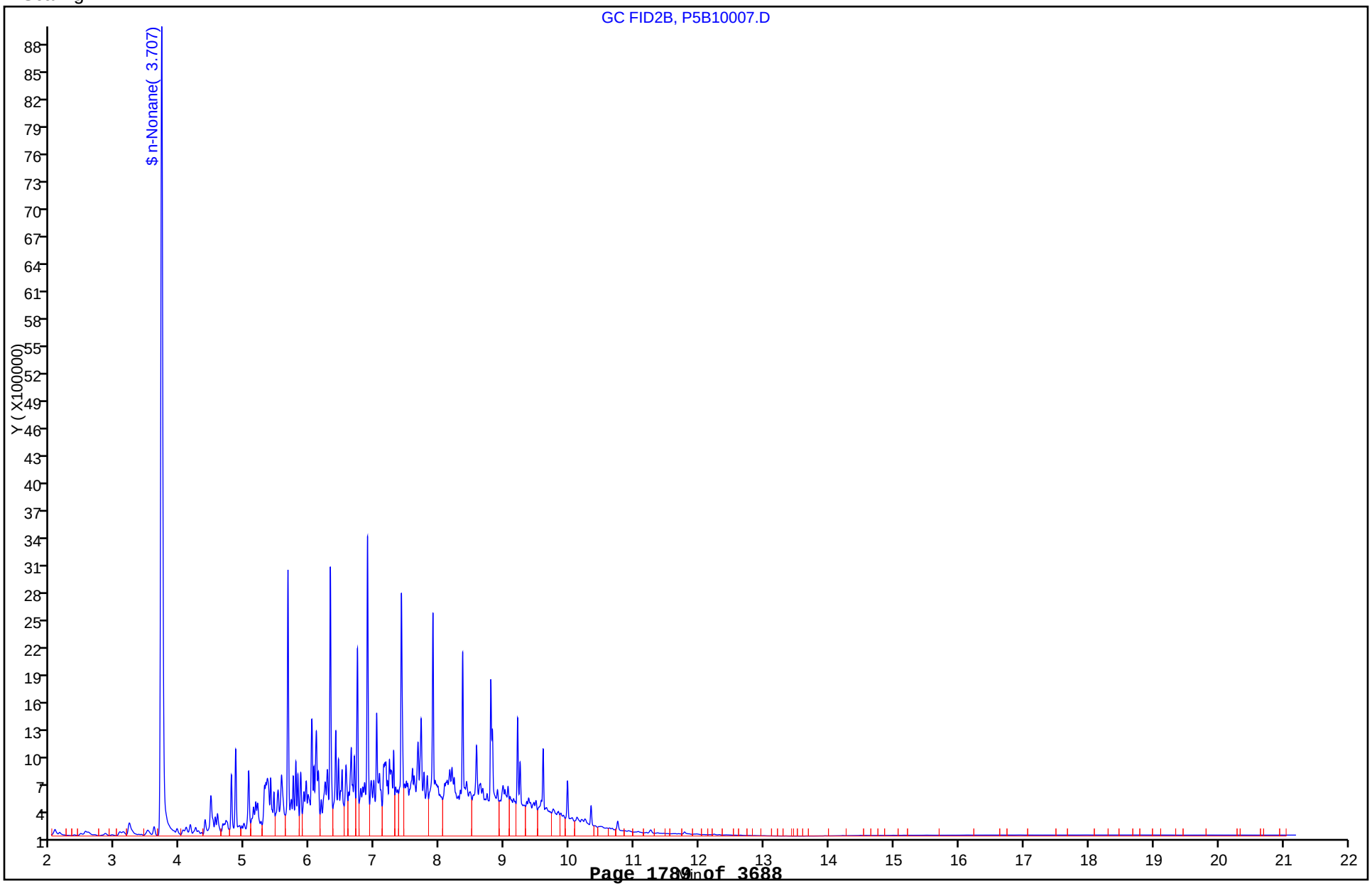
Report Date: 11-Apr-2013 12:18:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10007.D

Injection Date:	10-Apr-2013 13:49:44	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	7
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Lims ID:	STD5 DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 14:20:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018725-008		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	58
Lims Batch ID:	81310	Lims Sample ID:	8
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:27	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.709	3.706	0.003	40957409	195.2	
A 15 Diesel					
9.091	4.851 - 13.331		340687939	1983.7	

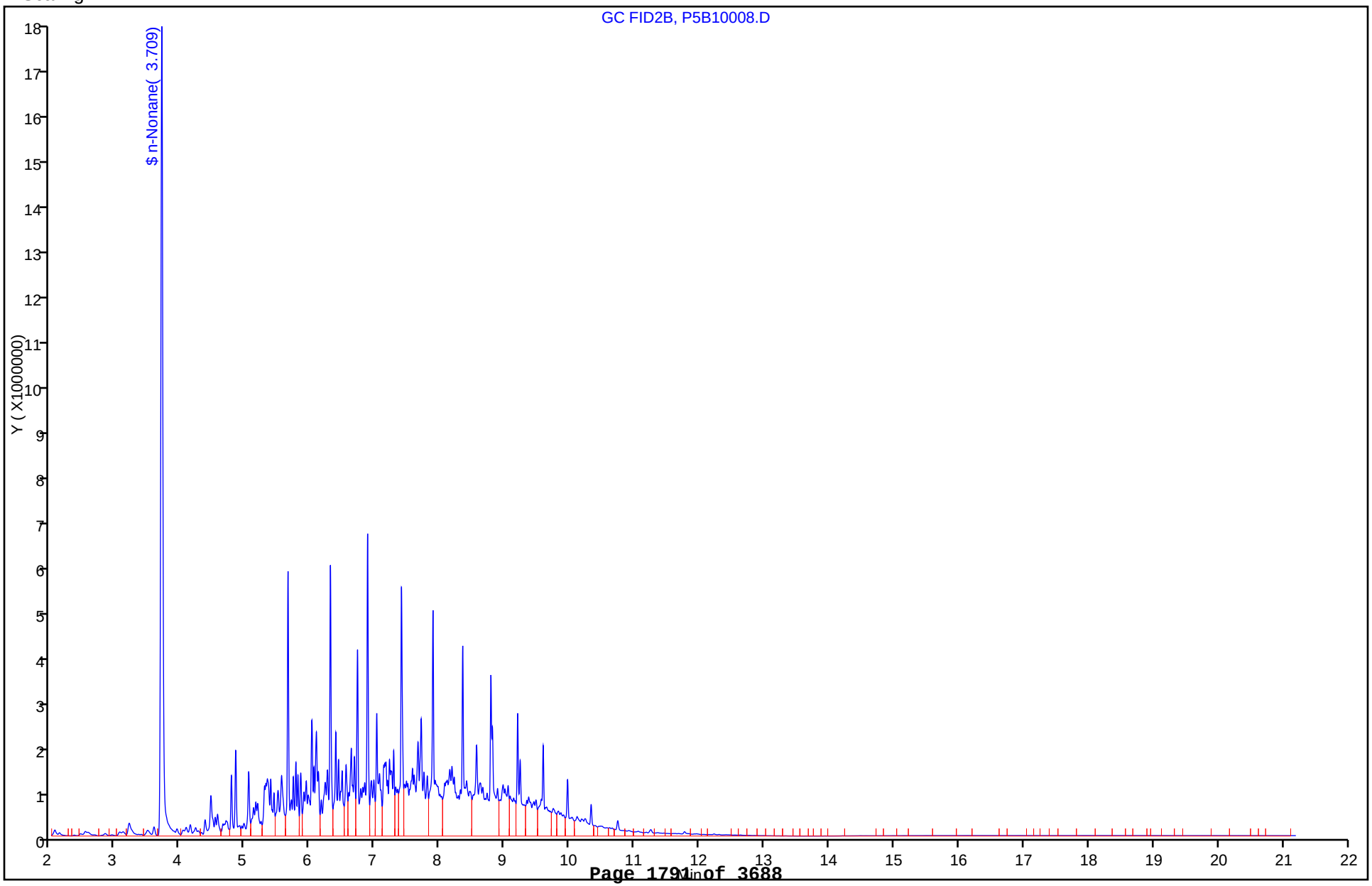
Report Date: 11-Apr-2013 12:18:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D

Injection Date:	10-Apr-2013 14:20:23	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	8
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 82405

SDG No.:

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2013 18:42 Calibration End Date: 04/17/2013 20:46 Calibration ID: 14621

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-82405/5	P6F17005.D
Level 2	STD2 240-82405/6	P6F17006.D
Level 3	STD3 240-82405/7	P6F17007.D
Level 4	STD4 240-82405/8	P6F17008.D
Level 5	STD5 240-82405/9	P6F17009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.308	9.308	9.308	9.308	9.308						5.094 - 13.521	9.308
n-Nonane	4.064	4.062	4.061	4.060	4.064						4.014 - 4.114	4.062

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22804-1 Analy Batch No.: 82405

SDG No.:

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2013 18:42 Calibration End Date: 04/17/2013 20:46 Calibration ID: 14621

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-82405/5	P6F17005.D
Level 2	STD2 240-82405/6	P6F17006.D
Level 3	STD3 240-82405/7	P6F17007.D
Level 4	STD4 240-82405/8	P6F17008.D
Level 5	STD5 240-82405/9	P6F17009.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								
Diesel Range Organics [C10 - C28]	195343 184574	189648	193315	176429	Ave		187861.842				4.0		20.0			
n-Nonane	175649 203868	174690	206954	190969	Ave		190425.890				8.0		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.: 240-22804-1 | Analy Batch No.: 82405

SDG No.:

Instrument ID: A2HP6F | GC Column: RTX-5 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2013 18:42 | Calibration End Date: 04/17/2013 20:46 | Calibration ID: 14621

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-82405/5	P6F17005.D
Level 2	STD2 240-82405/6	P6F17006.D
Level 3	STD3 240-82405/7	P6F17007.D
Level 4	STD4 240-82405/8	P6F17008.D
Level 5	STD5 240-82405/9	P6F17009.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
Diesel Range Organics [C10 - C28]	Ave	19534289	37929686	96657563	176428732	369148061	100	200	500	1000	2000
n-Nonane	Ave	1756488	3493808	10347703	19096861	40773516	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17005.D		
Lims ID:	STD1 DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 18:42:57	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018980-005		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	82405	Lims Sample ID:	5
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:33	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 18-Apr-2013 10:35:50

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$	8 n-Nonane					
	4.064	4.064	0.000	1756488	9.22	
A	15 Diesel					
	9.308	5.094 -	13.521	19534289	104.0	

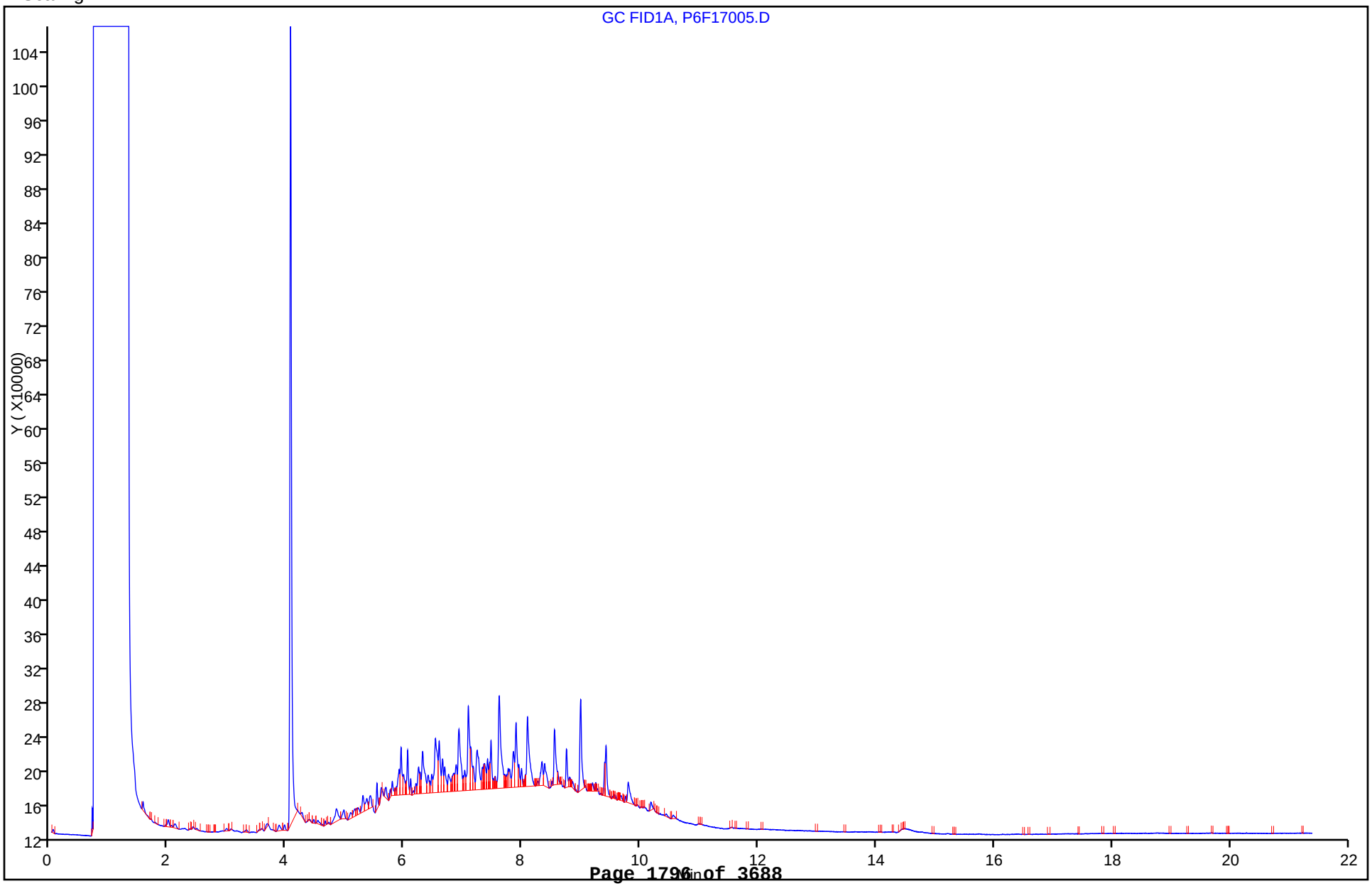
Report Date: 18-Apr-2013 12:22:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17005.D

Injection Date:	17-Apr-2013 18:42:57	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	5
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17006.D		
Lims ID:	STD2 DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 19:13:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018980-006		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	82405	Lims Sample ID:	6
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:35	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.062	4.064	-0.002	3493808	18.3	
A 15 Diesel					
9.308	5.094 - 13.521		37929686	201.9	

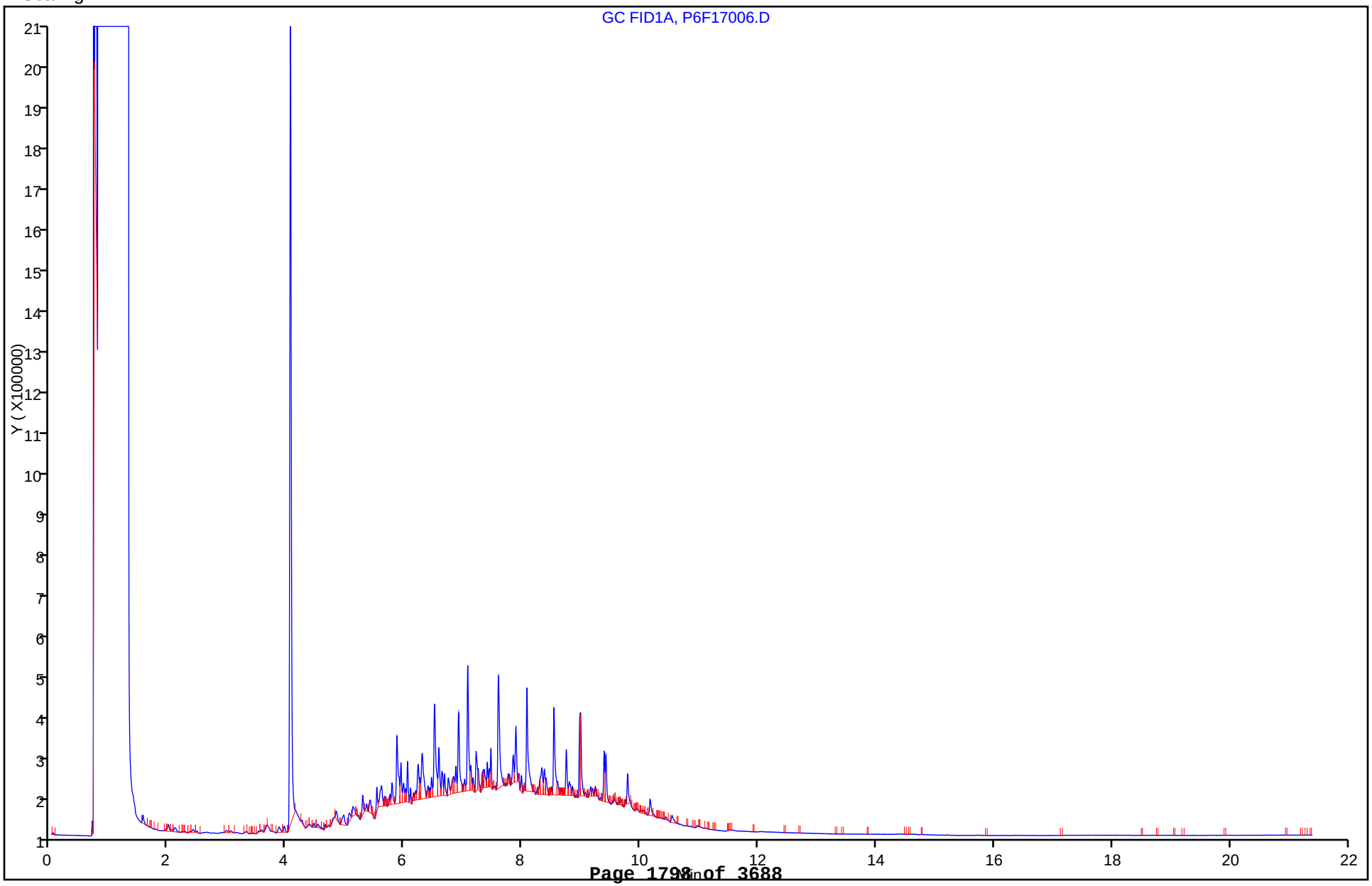
Report Date: 18-Apr-2013 12:22:35 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17006.D

Injection Date:	17-Apr-2013 19:13:51	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	6
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17007.D		
Lims ID:	STD3 DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 19:44:46	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0018980-007		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	82405	Lims Sample ID:	7
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:37	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.061	4.061	0.000	10347703	54.3	
A 15 Diesel					
9.308	5.094 - 13.521		96657563	514.5	

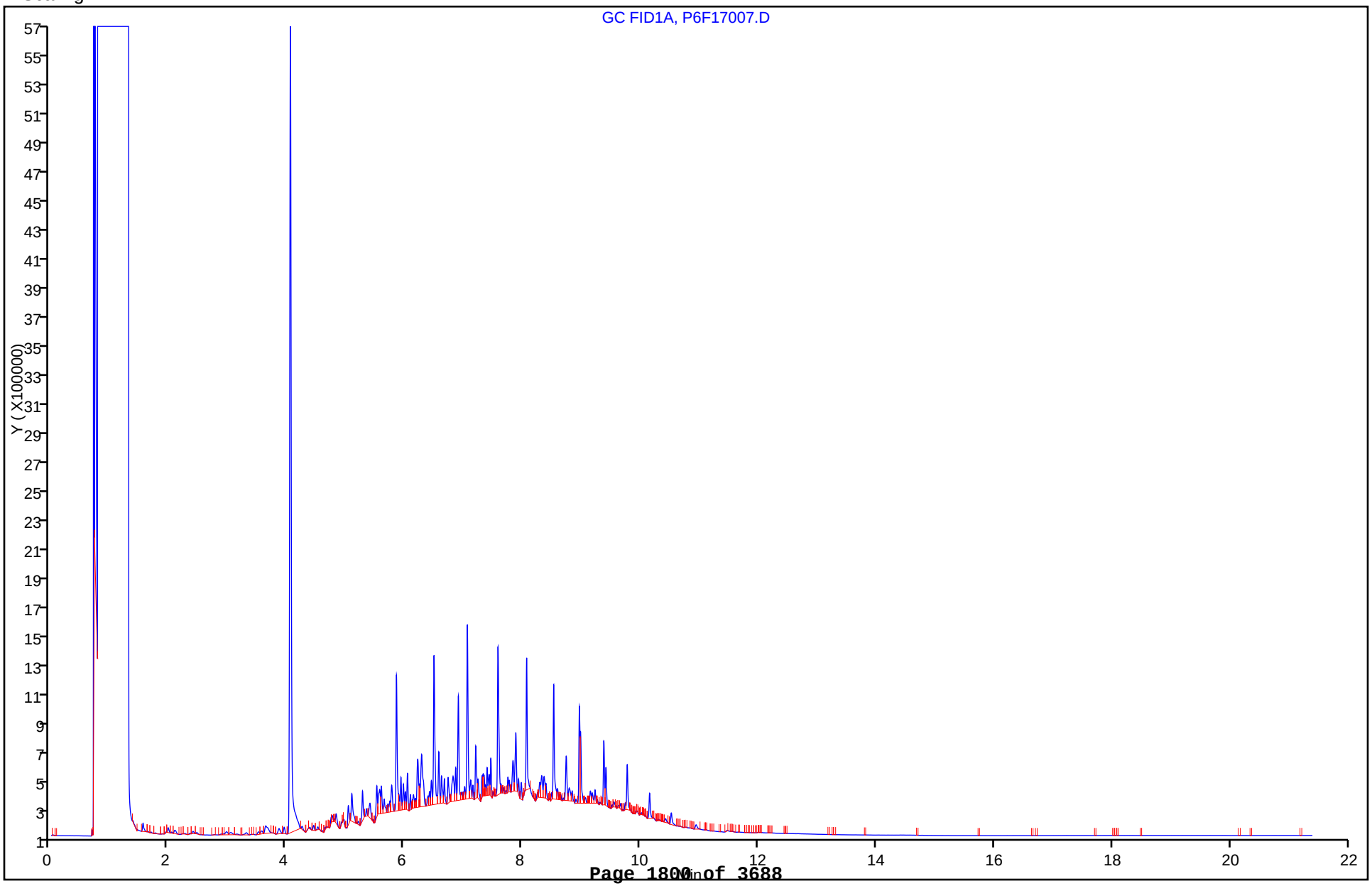
Report Date: 18-Apr-2013 12:22:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17007.D

Injection Date:	17-Apr-2013 19:44:46	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	7
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17008.D		
Lims ID:	STD4 DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 20:15:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0018980-008		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	82405	Lims Sample ID:	8
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:39	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.060	4.061	-0.001	19096861	100.3	
A 15 Diesel					
9.308	5.094 - 13.521		176428732	939.1	

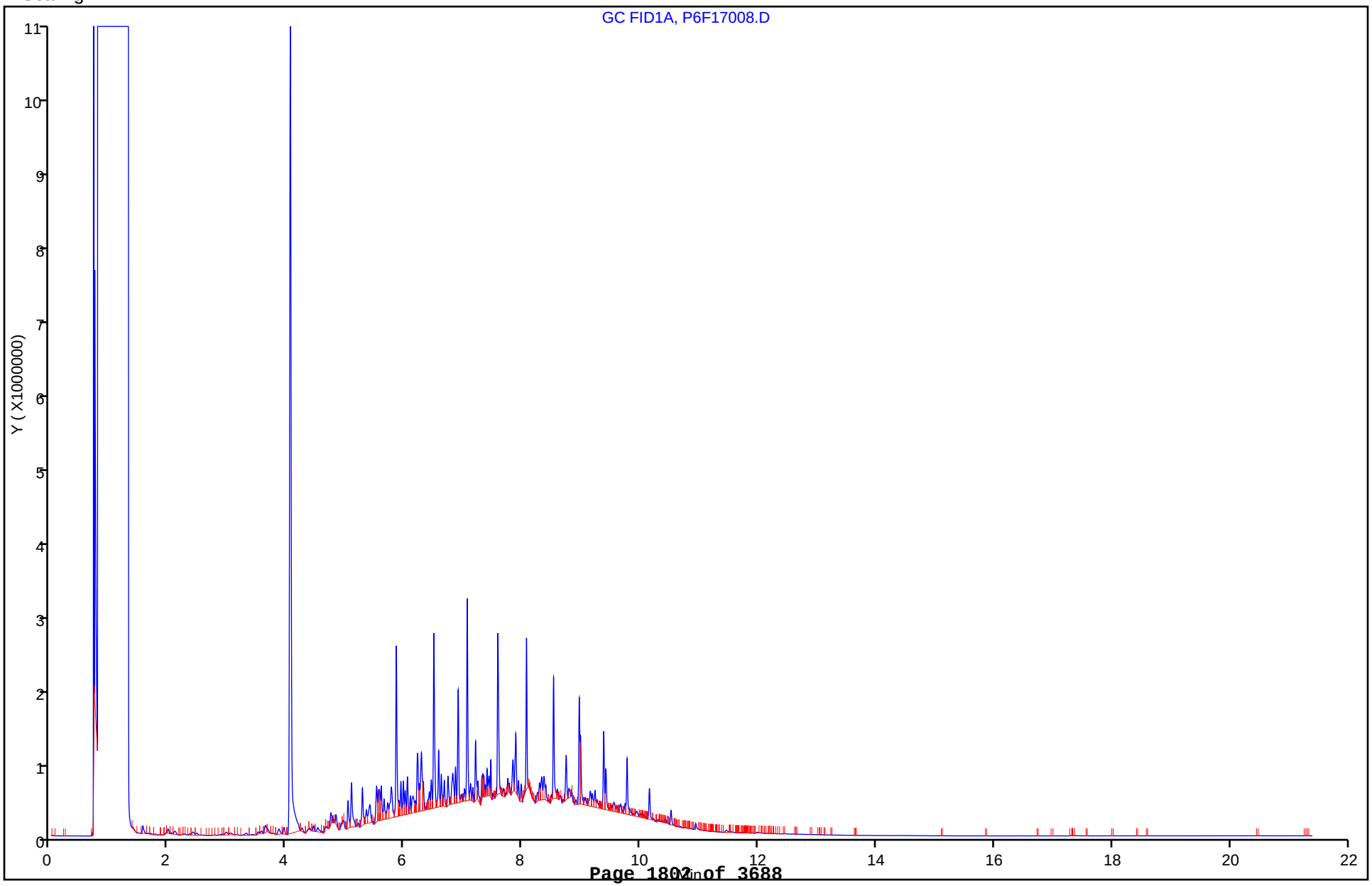
Report Date: 18-Apr-2013 12:22:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17008.D

Injection Date:	17-Apr-2013 20:15:32	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	8
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Lims ID:	STD5 DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 20:46:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018980-009		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	82405	Lims Sample ID:	9
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:41	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.064	4.061	0.003	40773516	214.1	
A 15 Diesel					
9.308	5.094 - 13.521		369148061	1965.0	

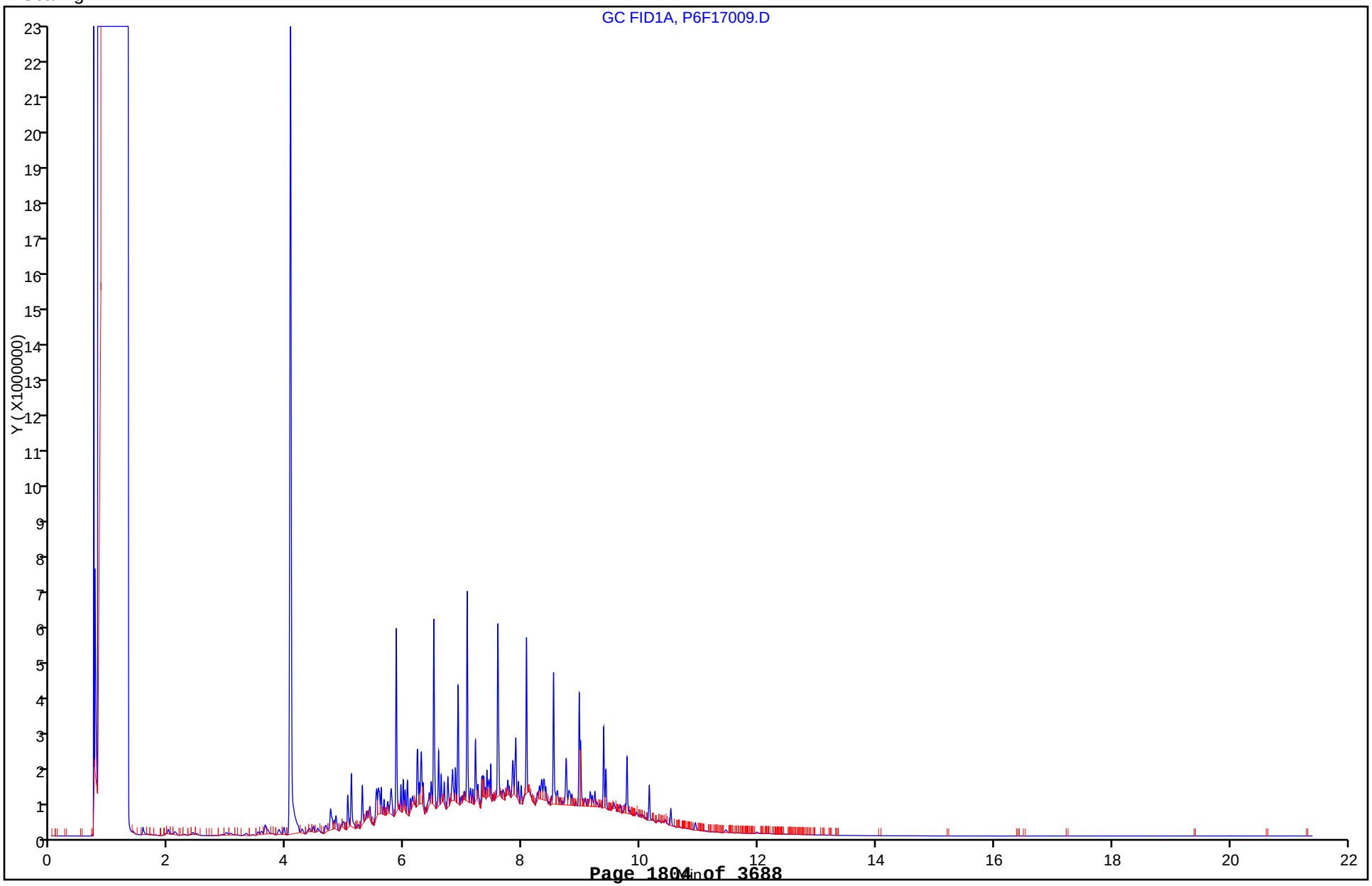
Report Date: 18-Apr-2013 12:22:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D

Injection Date:	17-Apr-2013 20:46:28	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	9
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCVRT 240-80963/16 Calibration Date: 04/08/2013 18:23

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	186724		508	500	1.5	20.0
n-Nonane	Ave	200626	229439		57.2	50.0	14.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCVRT 240-80963/16 Calibration Date: 04/08/2013 18:23

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08016.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	08-Apr-2013 18:23:44	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018646-016		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	66
Lims Batch ID:	80963	Lims Sample ID:	16
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\TPH5R.m		
Last Update:	09-Apr-2013 10:24:59	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.709	3.708	0.001	11471934	57.2	
A 15 Diesel					
9.091	4.851 - 13.331		93362097	507.7	

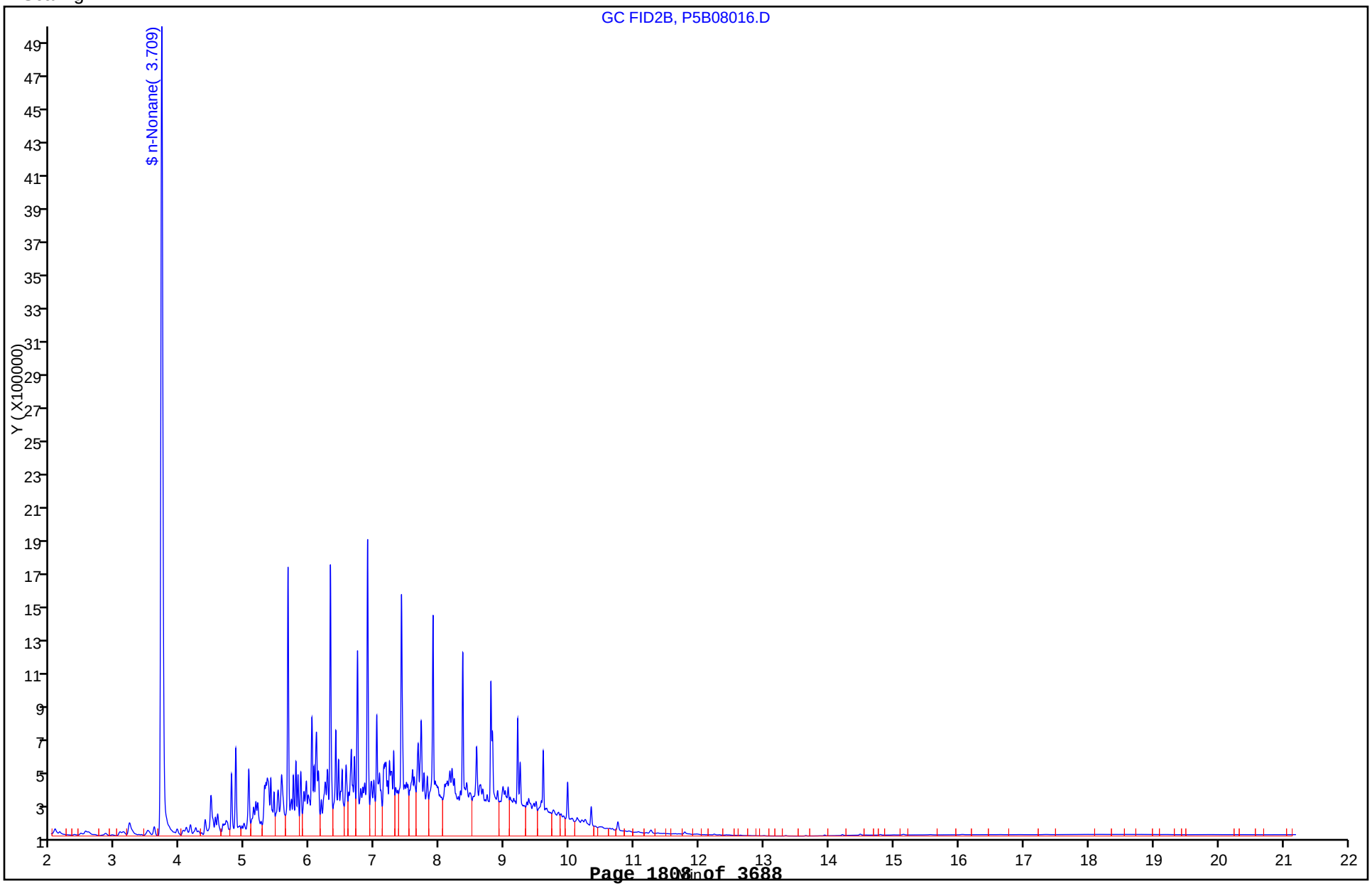
Report Date: 09-Apr-2013 10:25:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08016.D

Injection Date:	08-Apr-2013 18:23:44	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	80963	Lims Sample ID:	16
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-80963/25 Calibration Date: 04/08/2013 23:02

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	182865		497	500	-0.6	20.0
n-Nonane	Ave	200626	219820		54.8	50.0	9.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-80963/25 Calibration Date: 04/08/2013 23:02

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08025.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08025.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	08-Apr-2013 23:02:10	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018646-025		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	75
Lims Batch ID:	80963	Lims Sample ID:	25
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\TPH5R.m		
Last Update:	09-Apr-2013 10:25:07	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.708	3.708	0.000	10990982	54.8	
A 15 Diesel					
9.091	4.851 - 13.331		91432275	497.2	

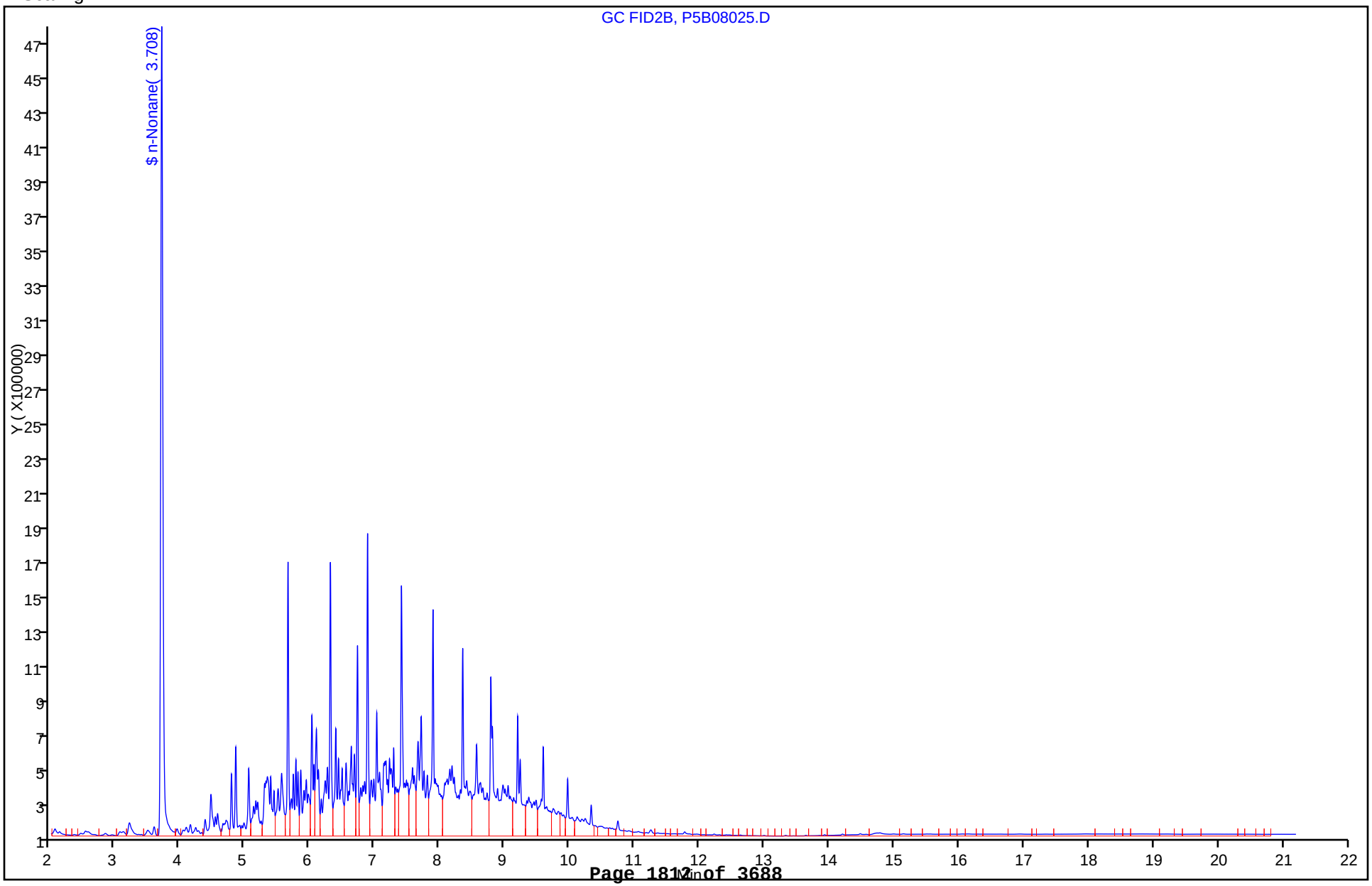
Report Date: 09-Apr-2013 10:25:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08025.D

Injection Date:	08-Apr-2013 23:02:10	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	80963	Lims Sample ID:	25
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-80963/36 Calibration Date: 04/09/2013 09:23

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	221636		603	500	20.5*	20.0
n-Nonane	Ave	200626	258401		64.4	50.0	28.8*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-80963/36 Calibration Date: 04/09/2013 09:23

Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19

GC Column: ID: Calib End Date: 03/11/2013 18:22

Lab File ID: P5B08036.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08036.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	09-Apr-2013 09:23:10	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018646-036		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	86
Lims Batch ID:	80963	Lims Sample ID:	36
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130408-18646.b\TPH5R.m		
Last Update:	09-Apr-2013 10:25:16	Calib Date:	11-Mar-2013 18:22:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK024		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.705	3.708	-0.003	12920057	64.4	
A 15 Diesel					
9.091	4.851 - 13.331		110818103	602.6	

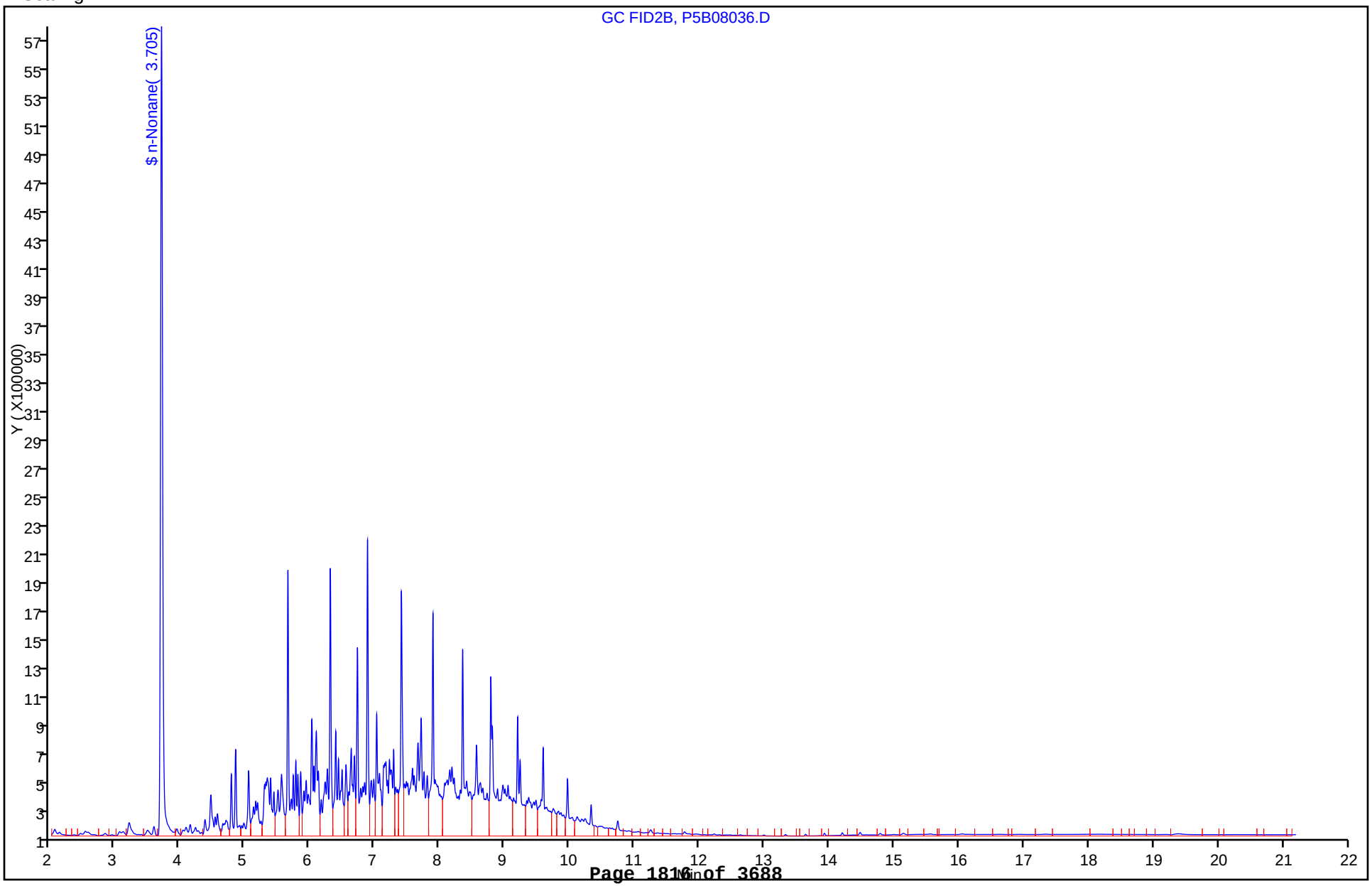
Report Date: 09-Apr-2013 10:25:16 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130408-18646.b\P5B08036.D

Injection Date:	09-Apr-2013 09:23:10	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	80963	Lims Sample ID:	36
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81310/9 Calibration Date: 04/10/2013 14:51

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B10009.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	165920		483	500	-3.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-81310/9 Calibration Date: 04/10/2013 14:51

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B10009.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10009.D		
Lims ID:	ICV DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 14:51:19	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0018725-009		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	59
Lims Batch ID:	81310	Lims Sample ID:	9
Sublist:			
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:27	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

First Level Reviewer: bolgrind Date: 11-Apr-2013 12:11:24

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.091	4.851 - 13.331		82959760	483.0	

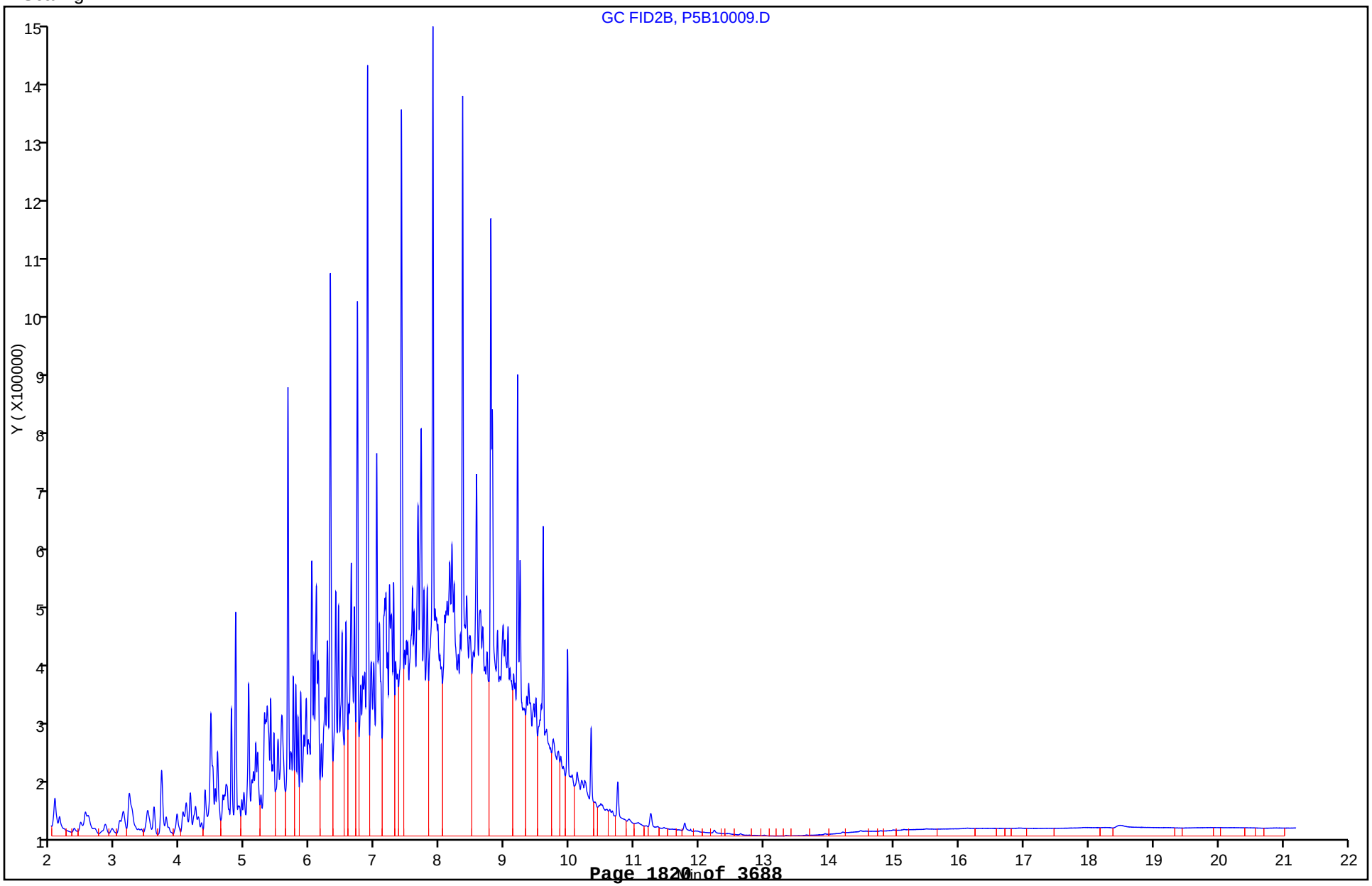
Report Date: 11-Apr-2013 12:18:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10009.D

Injection Date:	10-Apr-2013 14:51:19	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	9
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81310/14 Calibration Date: 04/10/2013 18:15

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B10014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	182452		531	500	6.2	20.0
n-Nonane	Ave	209769	218432		52.1	50.0	4.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-81310/14 Calibration Date: 04/10/2013 18:15

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B10014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10014.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	10-Apr-2013 18:15:51	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018725-014		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	64
Lims Batch ID:	81310	Lims Sample ID:	14
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:31	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.706	3.706	0.000	10921596	52.1	
A 15 Diesel					
9.091	4.851 - 13.331		91225986	531.2	

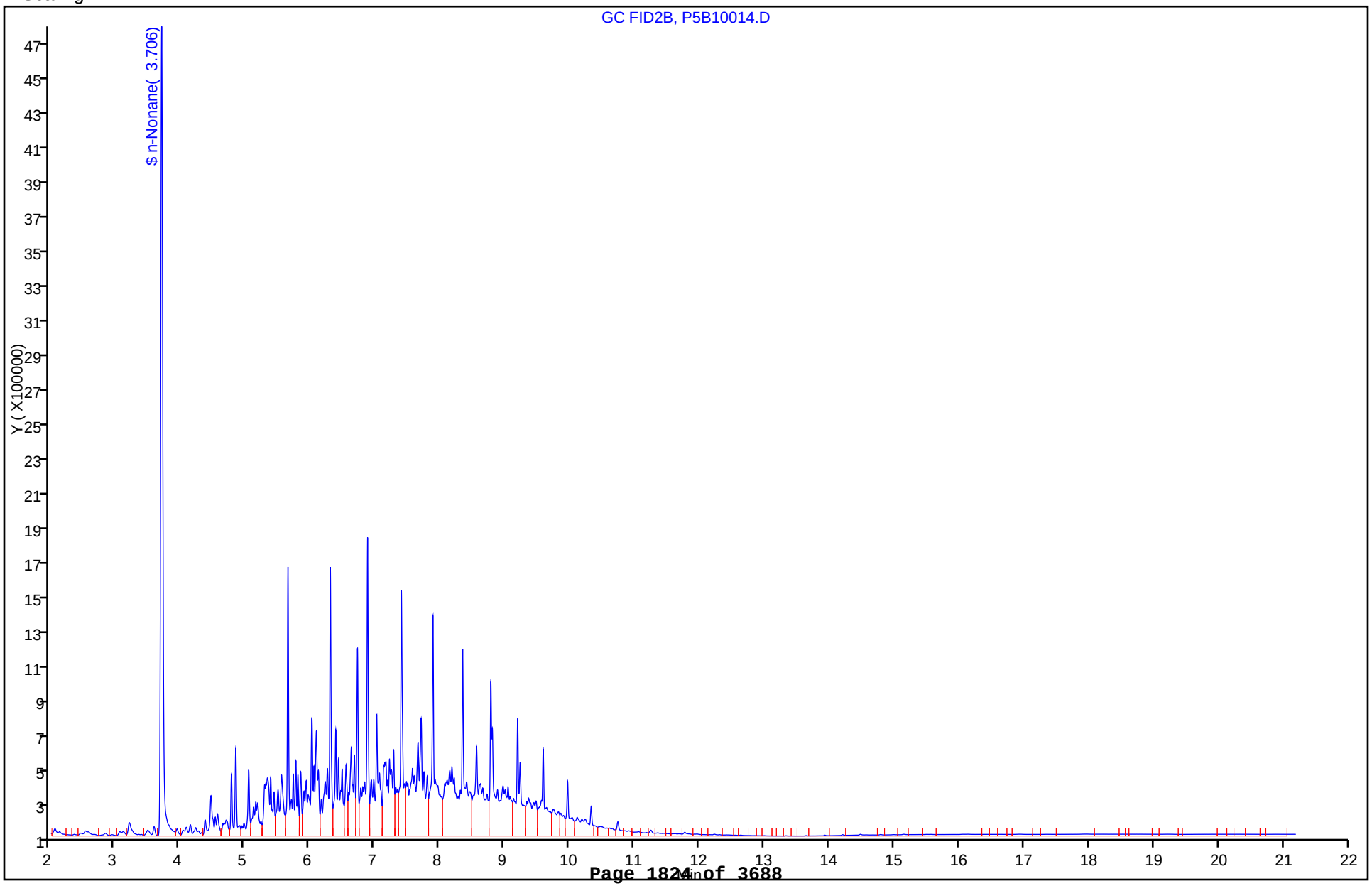
Report Date: 11-Apr-2013 12:18:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10014.D

Injection Date:	10-Apr-2013 18:15:51	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	14
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/4 Calibration Date: 04/17/2013 15:22

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	141054		411	500	-17.9	20.0
n-Nonane	Ave	209769	172409		41.1	50.0	-17.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/4 Calibration Date: 04/17/2013 15:22

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17004.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.32
n-Nonane	3.70	3.63	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17004.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 15:22:05	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0018962-004		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	82321	Lims Sample ID:	4
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:13	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.698	3.698	0.000	8620473	41.1	
A 15 Diesel					
9.086	4.847 - 13.324		70527171	410.6	

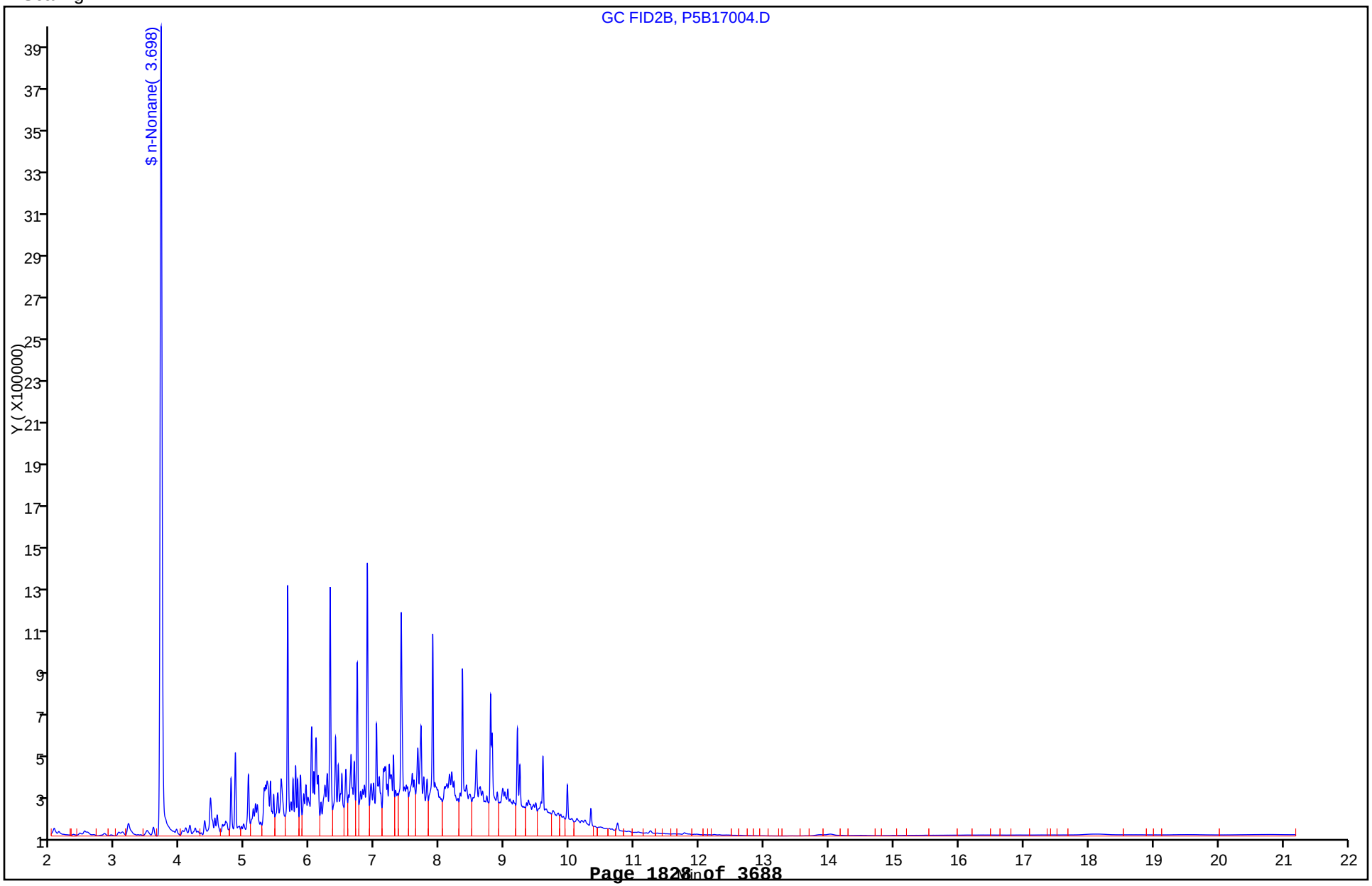
Report Date: 18-Apr-2013 11:07:14 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17004.D

Injection Date:	17-Apr-2013 15:22:05	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	4
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/10 Calibration Date: 04/17/2013 18:24

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	173991		507	500	1.3	20.0
n-Nonane	Ave	209769	218407		52.1	50.0	4.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/10 Calibration Date: 04/17/2013 18:24

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.32
n-Nonane	3.70	3.63	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17010.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 18:24:27	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018962-010		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	60
Lims Batch ID:	82321	Lims Sample ID:	10
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.703	3.698	0.005	10920327	52.1	
A 15 Diesel					
9.086	4.847 - 13.324		86995709	506.5	

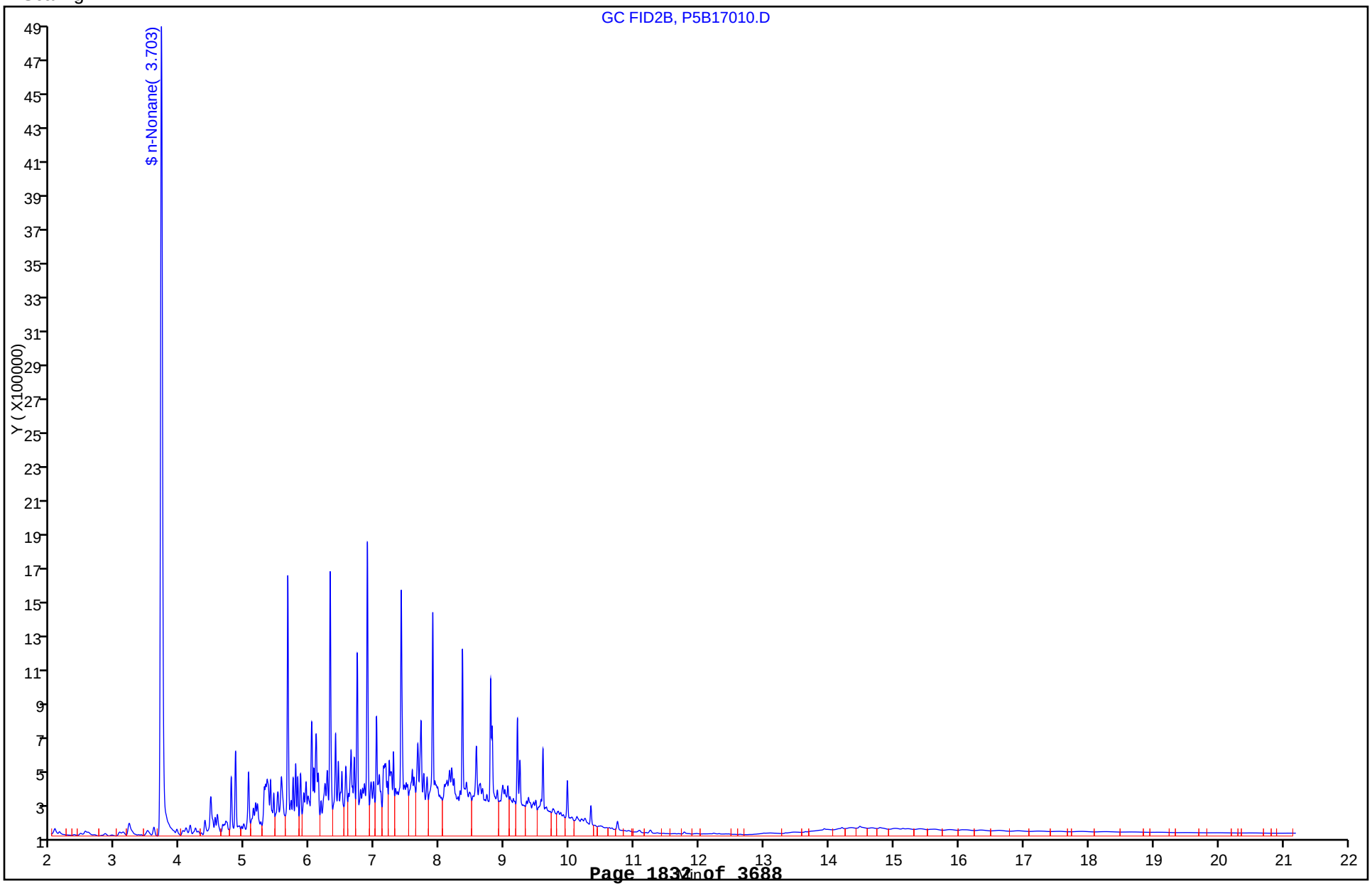
Report Date: 18-Apr-2013 11:07:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17010.D

Injection Date:	17-Apr-2013 18:24:27	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	10
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/22 Calibration Date: 04/18/2013 00:28

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17022.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	185802		541	500	8.2	20.0
n-Nonane	Ave	209769	227154		54.1	50.0	8.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/22 Calibration Date: 04/18/2013 00:28

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.32
n-Nonane	3.70	3.63	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17022.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	18-Apr-2013 00:28:58	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018962-022		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	72
Lims Batch ID:	82321	Lims Sample ID:	22
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:28	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.704	3.698	0.006	11357718	54.1	
A 15 Diesel					
9.086	4.847 - 13.324		92900771	540.9	

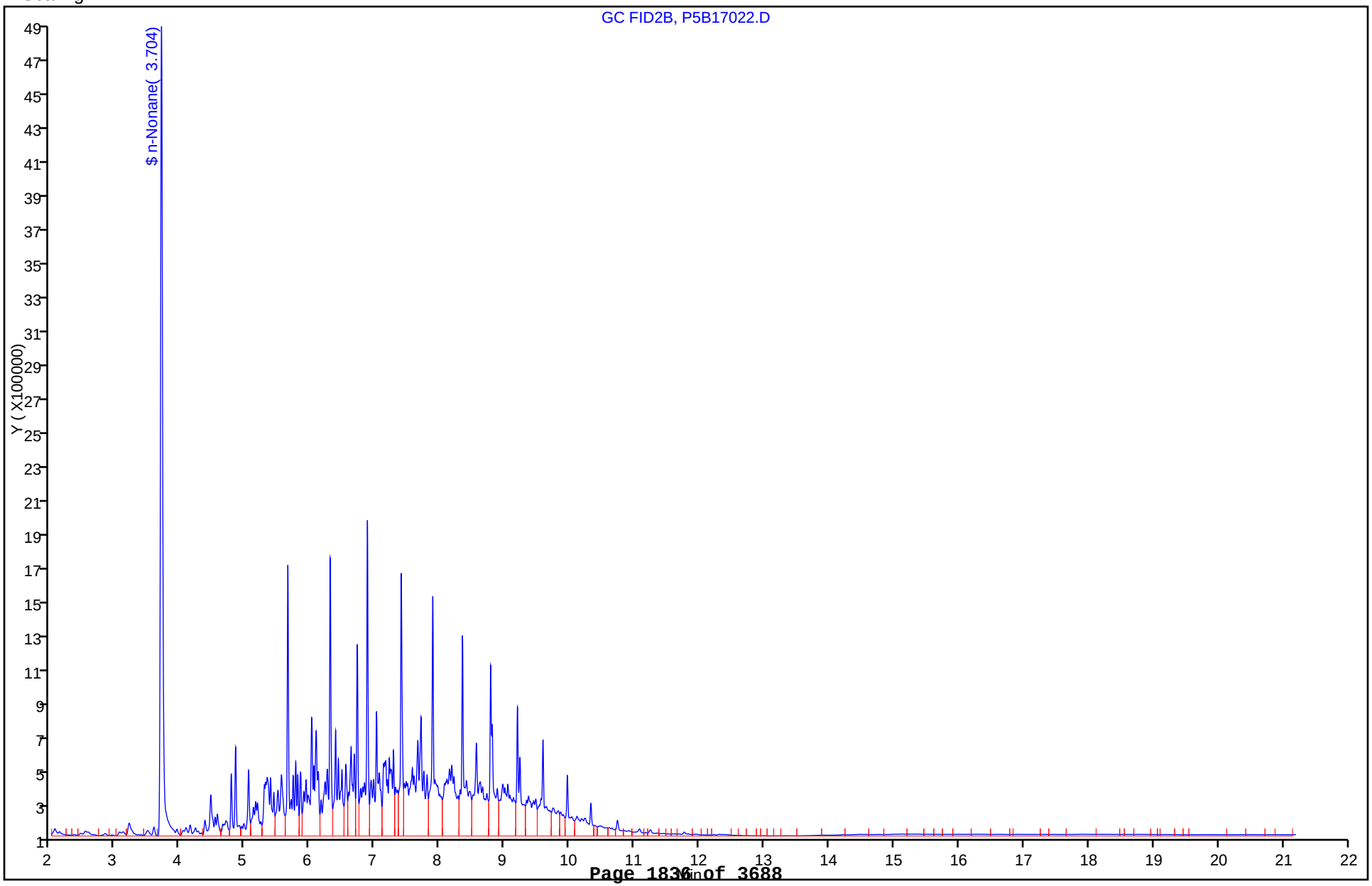
Report Date: 18-Apr-2013 11:07:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17022.D

Injection Date:	18-Apr-2013 00:28:58	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	22
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/33 Calibration Date: 04/18/2013 06:05

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17033.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	189595		552	500	10.4	20.0
n-Nonane	Ave	209769	224145		53.4	50.0	6.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/33 Calibration Date: 04/18/2013 06:05

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17033.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.32
n-Nonane	3.70	3.63	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17033.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	18-Apr-2013 06:05:39	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018962-033		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	83
Lims Batch ID:	82321	Lims Sample ID:	33
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:34	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.704	3.698	0.006	11207270	53.4	
A 15 Diesel					
9.086	4.847 - 13.324		94797599	552.0	

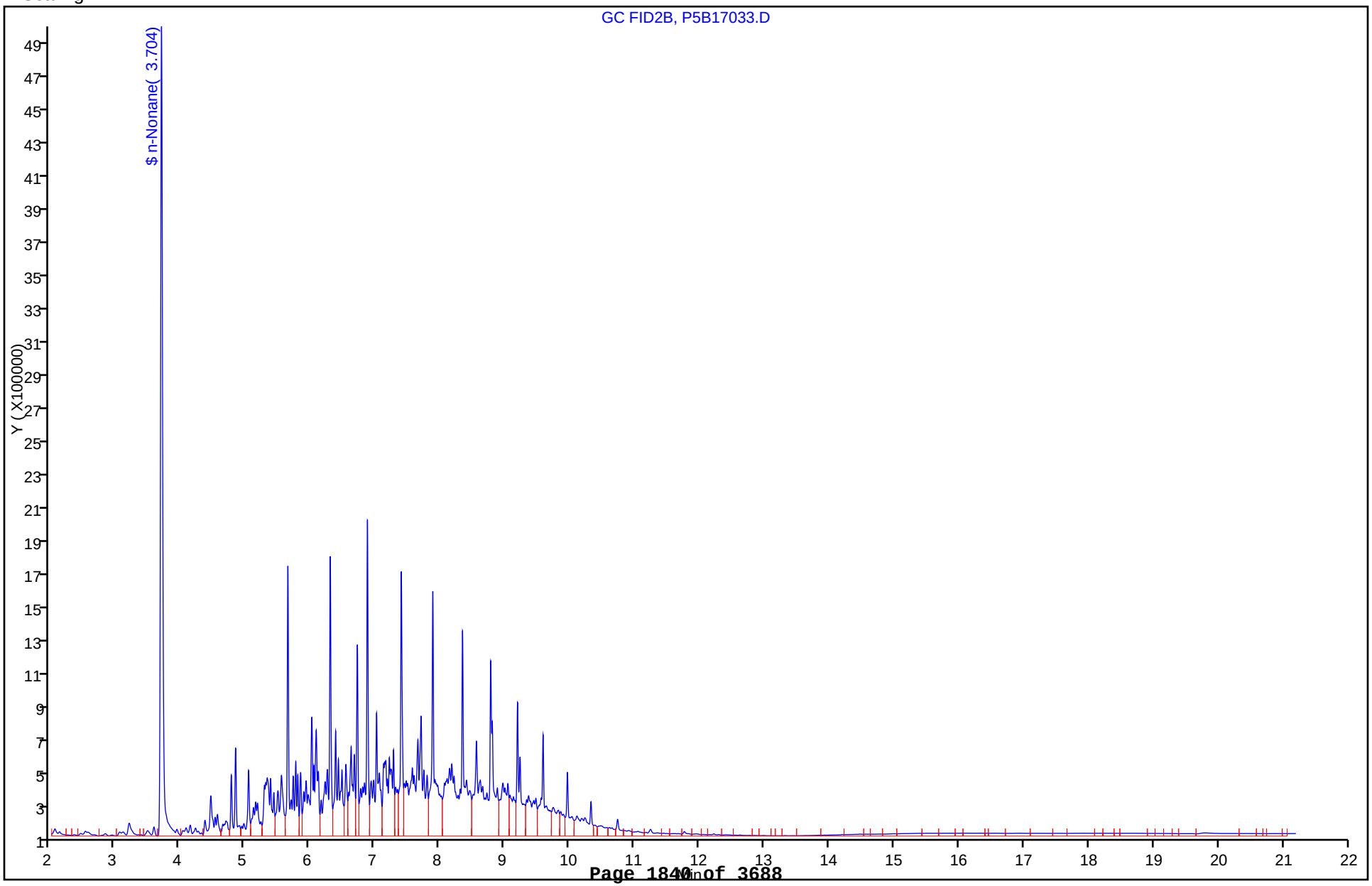
Report Date: 18-Apr-2013 11:07:35 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17033.D

Injection Date:	18-Apr-2013 06:05:39	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	33
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/35 Calibration Date: 04/18/2013 07:06

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	171746	186598		543	500	8.6	20.0
n-Nonane	Ave	209769	219920		52.4	50.0	4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82321/35 Calibration Date: 04/18/2013 07:06

Instrument ID: A2HP5R Calib Start Date: 04/10/2013 12:17

GC Column: ID: Calib End Date: 04/10/2013 14:20

Lab File ID: P5B17035.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.32
n-Nonane	3.70	3.63	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17035.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	18-Apr-2013 07:06:43	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018962-035		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	85
Lims Batch ID:	82321	Lims Sample ID:	35
Sublist:	chrom-TPH5R*sub1		
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:36	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.704	3.698	0.006	10995991	52.4	
A 15 Diesel					
9.086	4.847 - 13.324		93298879	543.2	

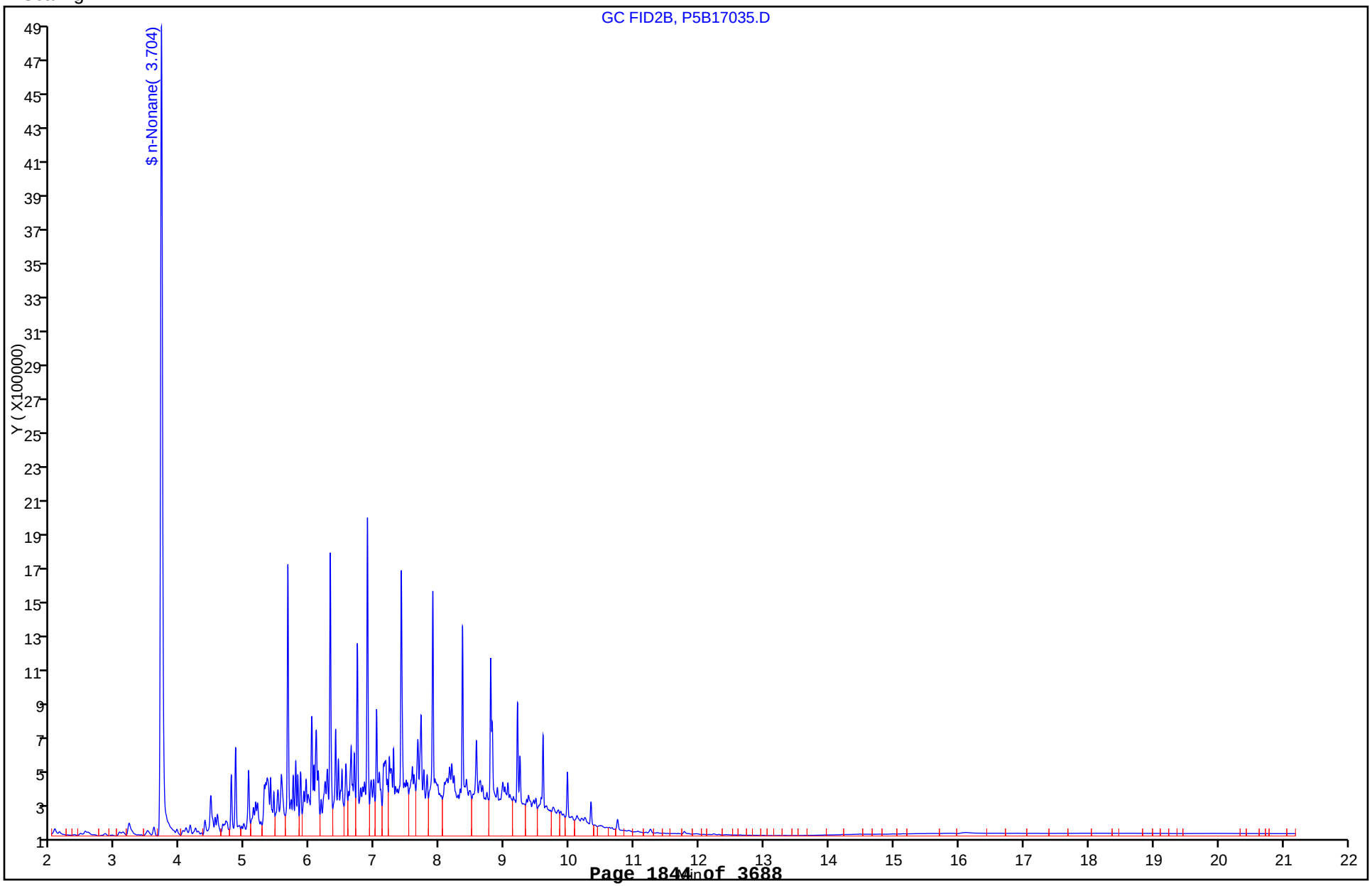
Report Date: 18-Apr-2013 11:07:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17035.D

Injection Date:	18-Apr-2013 07:06:43	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	35
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-82405/10 Calibration Date: 04/17/2013 21:17

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F17010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	187862	168675		449	500	-10.2	20.0
n-Nonane	Ave	190426			0.000000	50.0		20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: ICV 240-82405/10 Calibration Date: 04/17/2013 21:17

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F17010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.31	5.09	13.52
n-Nonane			

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17010.D		
Lims ID:	ICV DIESEL	Client ID:	
Inject. Date:	17-Apr-2013 21:17:25	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0018980-010		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	82405	Lims Sample ID:	10
Sublist:			
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\TPH6F.m		
Last Update:	18-Apr-2013 12:22:41	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.061					
A 15 Diesel					
9.308	5.094 - 13.521		84337361	448.9	

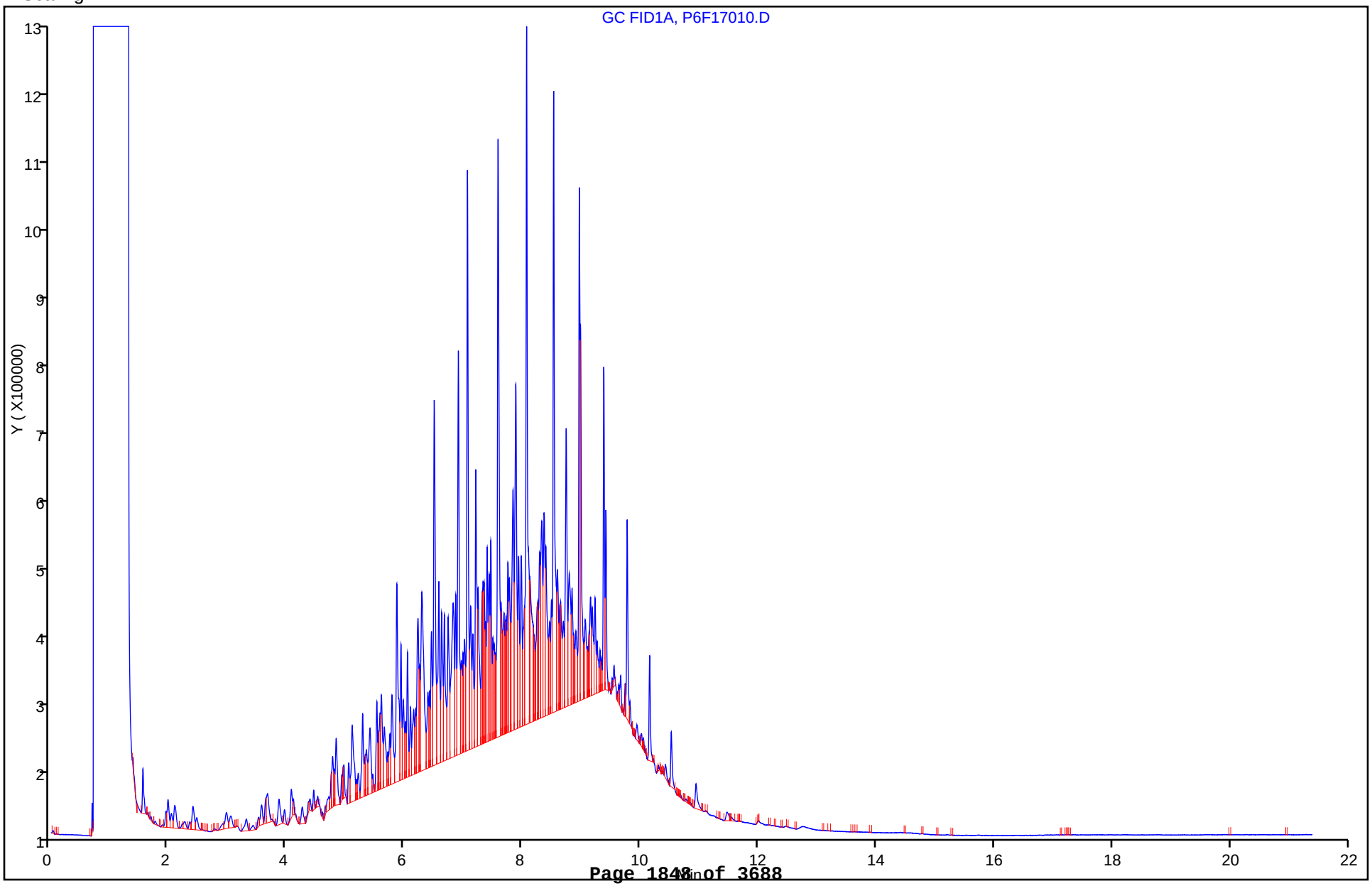
Report Date: 18-Apr-2013 12:22:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17010.D

Injection Date:	17-Apr-2013 21:17:25	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82405	Lims Sample ID:	10
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/5 Calibration Date: 04/18/2013 17:00

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	187862	196425		523	500	4.6	20.0
n-Nonane	Ave	190426	208203		54.7	50.0	9.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/5 Calibration Date: 04/18/2013 17:00

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.31	5.10	13.53
n-Nonane	4.07	4.02	4.12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18005.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	18-Apr-2013 17:00:35	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0019017-005		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	82537	Lims Sample ID:	5
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:41	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.065	4.065	0.000	10410135	54.7	
A 15 Diesel					
9.312	5.098 - 13.526		98212404	522.8	

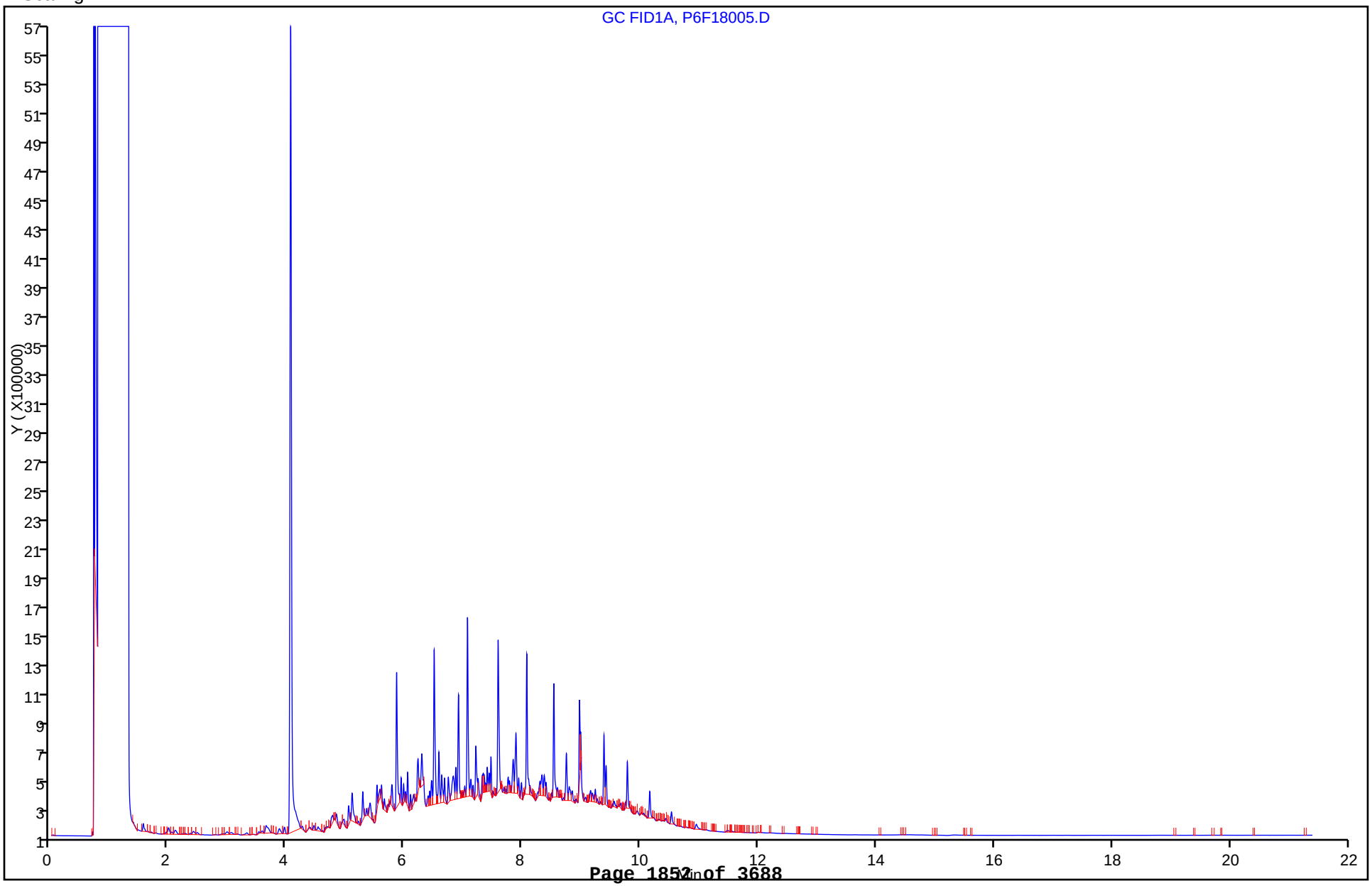
Report Date: 19-Apr-2013 11:26:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18005.D

Injection Date:	18-Apr-2013 17:00:35	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	5
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/17 Calibration Date: 04/18/2013 23:18

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	187862	191924		511	500	2.2	20.0
n-Nonane	Ave	190426	206563		54.2	50.0	8.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/17 Calibration Date: 04/18/2013 23:18

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.31	5.10	13.53
n-Nonane	4.07	4.02	4.12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18017.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	18-Apr-2013 23:18:36	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019017-017		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	82537	Lims Sample ID:	17
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:48	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.065	4.065	0.000	10328157	54.2	
A 15 Diesel					
9.312	5.098 - 13.526		95962143	510.8	

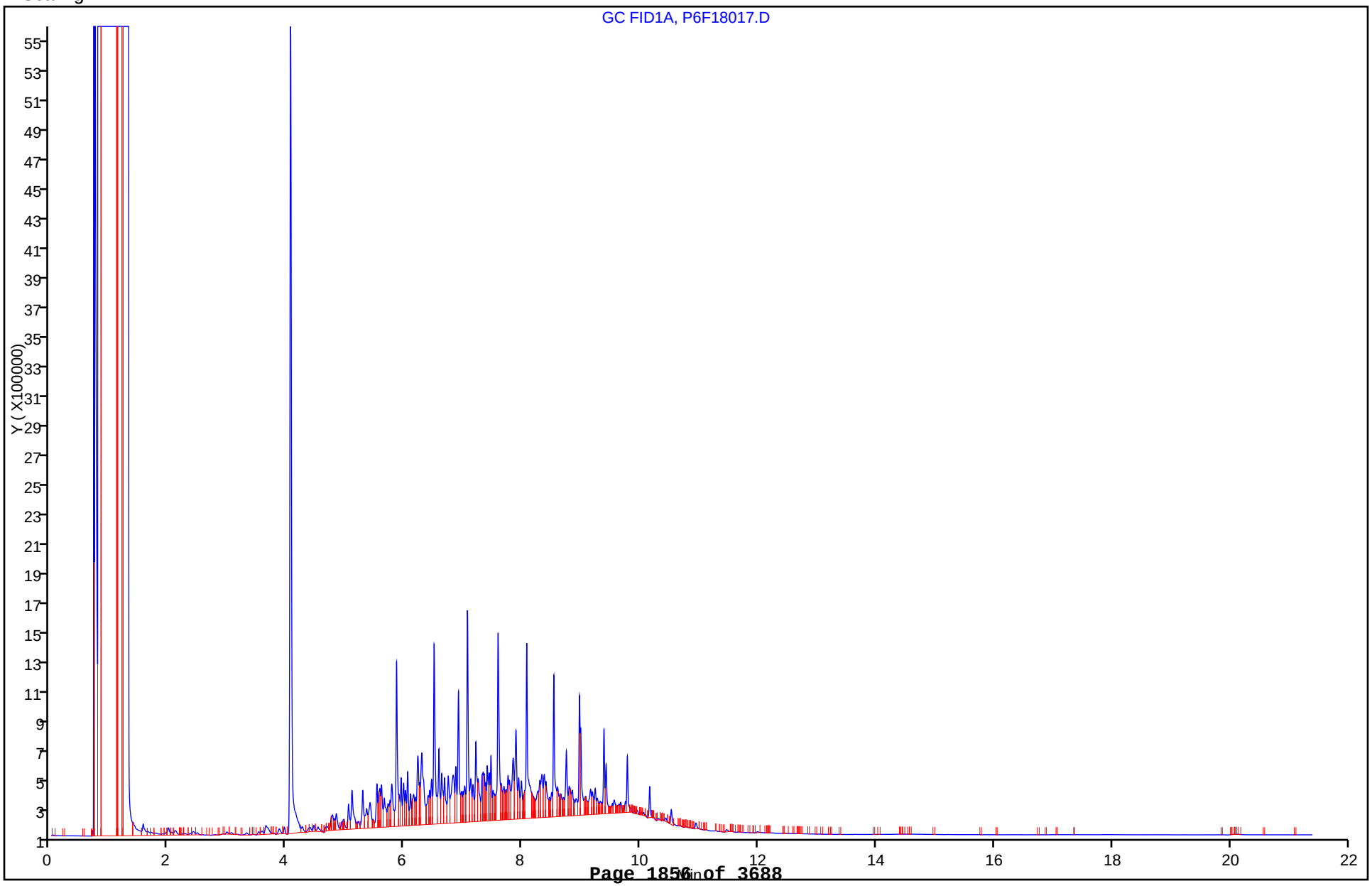
Report Date: 19-Apr-2013 11:26:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18017.D

Injection Date:	18-Apr-2013 23:18:36	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	17
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/28 Calibration Date: 04/19/2013 05:03

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	187862	211145		562	500	12.4	20.0
n-Nonane	Ave	190426	229283		60.2	50.0	20.4*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/28 Calibration Date: 04/19/2013 05:03

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.31	5.10	13.53
n-Nonane	4.07	4.02	4.12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18028.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	19-Apr-2013 05:03:02	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019017-028		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	82537	Lims Sample ID:	28
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:58	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.065	4.065	0.000	11464152	60.2	
A 15 Diesel					
9.312	5.098 - 13.526		105572744	562.0	

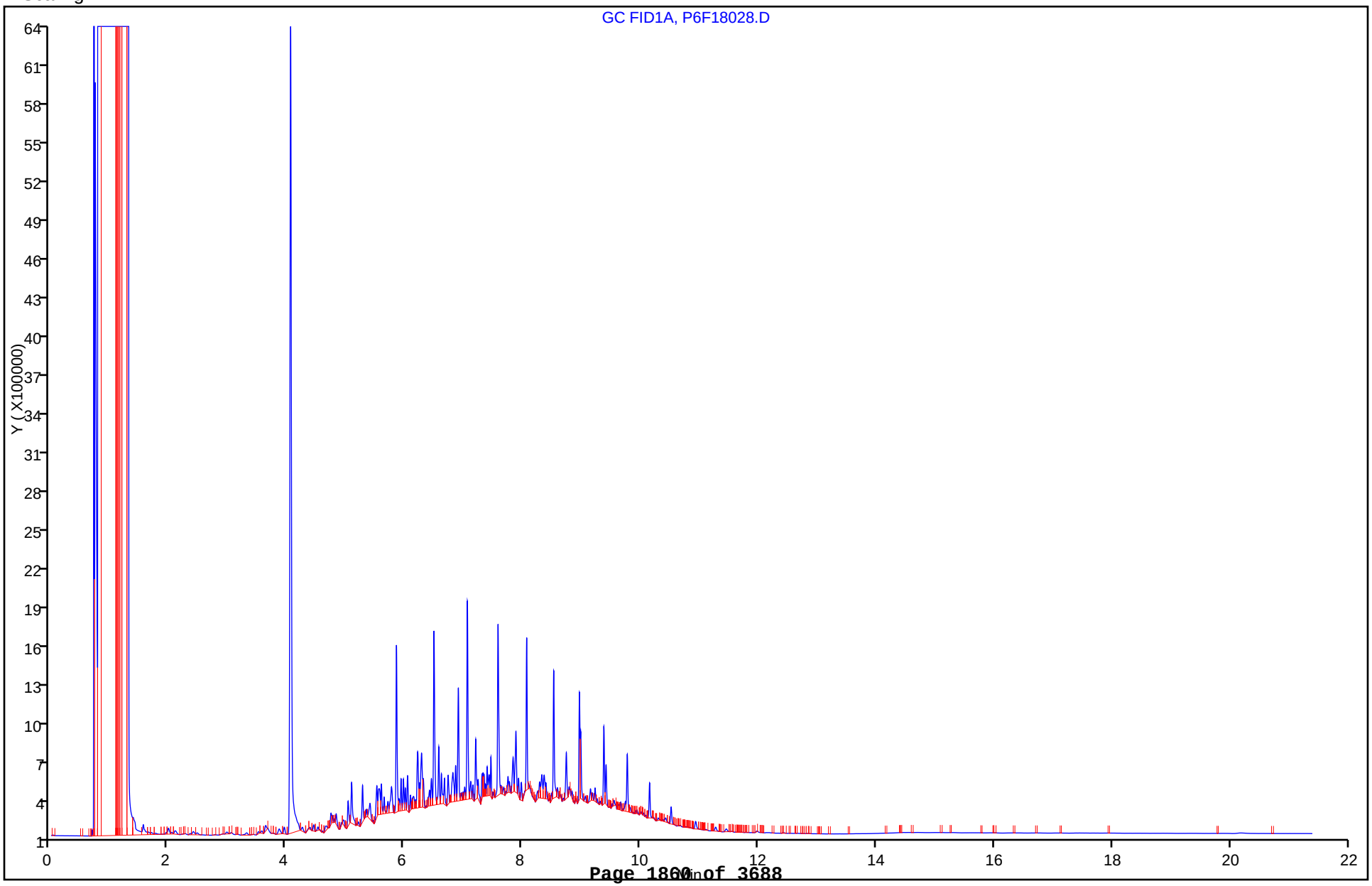
Report Date: 19-Apr-2013 11:26:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18028.D

Injection Date:	19-Apr-2013 05:03:02	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	28
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/38 Calibration Date: 04/19/2013 10:18

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	187862	197953		527	500	5.4	20.0
n-Nonane	Ave	190426	215800		56.7	50.0	13.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Lab Sample ID: CCV 240-82537/38 Calibration Date: 04/19/2013 10:18

Instrument ID: A2HP6F Calib Start Date: 04/17/2013 18:42

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 04/17/2013 20:46

Lab File ID: P6F18038.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.31	5.10	13.53
n-Nonane	4.07	4.02	4.12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18038.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	19-Apr-2013 10:18:08	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019017-038		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	38
Lims Batch ID:	82537	Lims Sample ID:	38
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:27:10	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.067	4.065	0.002	10790011	56.7	
A 15 Diesel					
9.312	5.098 - 13.526		98976633	526.9	

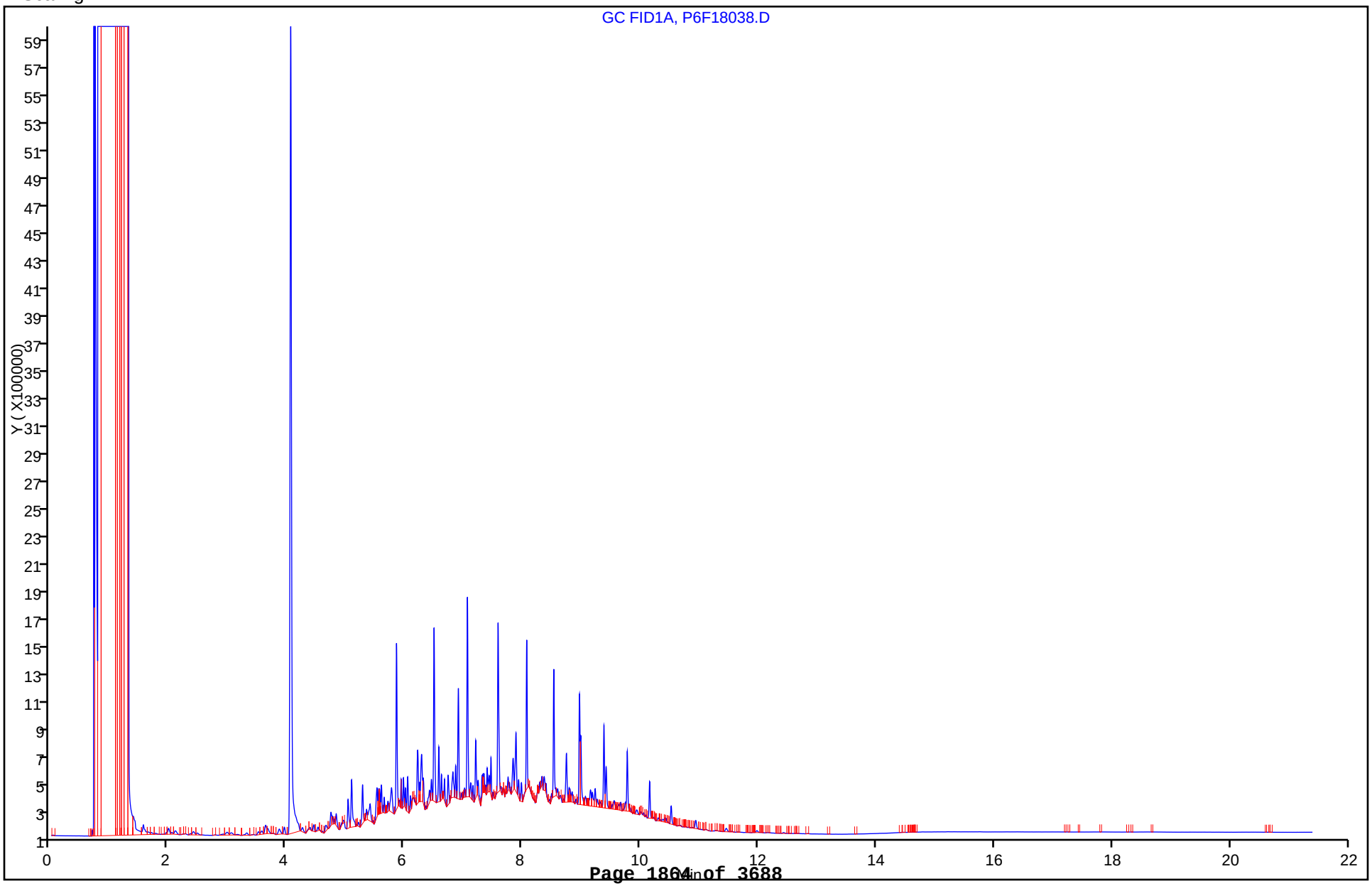
Report Date: 19-Apr-2013 11:27:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18038.D

Injection Date:	19-Apr-2013 10:18:08	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	38
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80861/11-A

Matrix: Water | Lab File ID: P5B10011.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 04/06/2013 10:03

Sample wt/vol: 1000(mL) | Date Analyzed: 04/10/2013 16:43

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81310 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	240	U	500	240	240
STL00272	C20-C34	240	U	500	240	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	54		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10011.D
Lims ID: MB 240-80861/11-A Client ID:
Inject. Date: 10-Apr-2013 16:43:56 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0018725-011
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 61
Lims Batch ID: 81310 Lims Sample ID: 11
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m
Last Update: 11-Apr-2013 12:18:27 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	25.920					
A	2 C28-C36					
	14.825	13.404	-16.247	1118159	0	
A	3 C10-C34					
		4.851	- 15.149			
A	4 C32-C44					
		14.481	-25.920			
A	5 C12-C22					
		6.310	- 10.744			
A	6 C22-C32					
		10.744	-14.481			
7	n-Octane					
	2.651	2.655	-0.004	93339	0	
$	8 n-Nonane					
	3.707	3.706	0.001	11380895	54.3	
9	n-Decane					
	4.892	4.851	0.041	222476	0	
10	Dodecane					
	6.265	6.310	-0.045	78267	0	
11	n-Tetradecane					1
	7.405					
A	12 C10-C20					
		4.851	- 9.969			
13	Hexadecane					
	8.367	8.350	0.017	6859	0	
A	14 C10-C28					
	9.037	4.571	- 13.504	1715019	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
4.851 - 13.331					
16 n-Octadecane					1
9.198					
A 17 C10-C32					
4.851 - 14.481					
18 icosane					1
9.969					
19 n-Docosane					1
10.744					
A 20 C12-C24					
6.310 - 11.775					
21 n-Tetracosane					
11.777	11.775	0.002	69916	0	
A 22 C20-C34					
9.969 - 15.149					
23 n-Hexacosane					
12.635	12.632	0.003	30545	0	
24 n-Octacosane					
13.324	13.331	-0.007	102204	0	
25 Triacontane					
13.932	13.931	0.001	112685	0	
26 Dotriacontane					
14.481	14.481	0.000	309575	0	
27 Tetratriacontane					
15.145	15.149	-0.004	113433	0	
A 28 C24-C40					
11.775 - 19.200					
29 n-Hexatriacontane					
16.053	16.059	-0.006	131872	0	
30 C38					
17.332	17.346	-0.014	180282	0	
31 C40					
19.241	19.200	0.041	305785	0	
A 32 C20-C36					
9.969 - 16.059					
A 34 C24-C44					
18.848	11.775 - 25.920		5288628	30.8	
A 35 C10-C24					
4.671 - 11.951					

QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 11-Apr-2013 12:18:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10011.D

Injection Date:	10-Apr-2013 16:43:56	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	11
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-82097/23-A

Matrix: Solid | Lab File ID: P6F18012.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.00(g) | Date Analyzed: 04/18/2013 20:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	9.3	U	17	9.3	9.3
STL00272	C20-C34	9.3	U	17	9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	50		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18012.D		
Lims ID:	MB 240-82097/23-A	Client ID:	
Inject. Date:	18-Apr-2013 20:41:50	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0019017-012		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	82537	Lims Sample ID:	12
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:41	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

		RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane	26.357					1
A	2 C28-C36	15.076	13.664	-16.488	277124	0	
A	3 C10-C34		5.098	- 15.366			
A	4 C32-C44		14.684	-26.357			
A	5 C12-C22		6.497	- 10.932			
A	6 C22-C32		10.932	-14.684			
	7 n-Octane	2.414	2.413	0.001	50639	0	
$	8 n-Nonane	4.058	4.065	-0.007	9540167	50.1	
	9 n-Decane	5.098					1
	10 Dodecane	6.497					1
	11 n-Tetradecane	7.584					1
A	12 C10-C20		5.098	- 10.153			
	13 Hexadecane	8.529					1
A	14 C10-C28	9.364	5.064	- 13.664	1599276	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
5.098 - 13.526					
16 n-Octadecane					1
9.379					
A 17 C10-C32					
5.098 - 14.684					
18 icosane					1
10.153					
19 n-Docosane					1
10.932					
A 20 C12-C24					
6.497 - 11.967					
21 n-Tetracosane					1
11.967					
A 22 C20-C34					
10.153 -15.366					
23 n-Hexacosane					1
12.824					
24 n-Octacosane					1
13.526					
25 Triacontane					1
14.128					
26 Dotriacontane					1
14.684					
27 Tetratriacontane					1
15.366					
A 28 C24-C40					
11.967 -19.526					
29 n-Hexatriacontane					1
16.295					
30 C38					1
17.616					
31 C40					1
19.526					
A 32 C20-C36					
10.153 -16.295					
A 33 C24-C44					
11.967 -26.357					
A 34 C10-C24					
5.098 - 11.967					
$ 35 o-Terphenyl					
0.031	0.0	0.031	2424	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

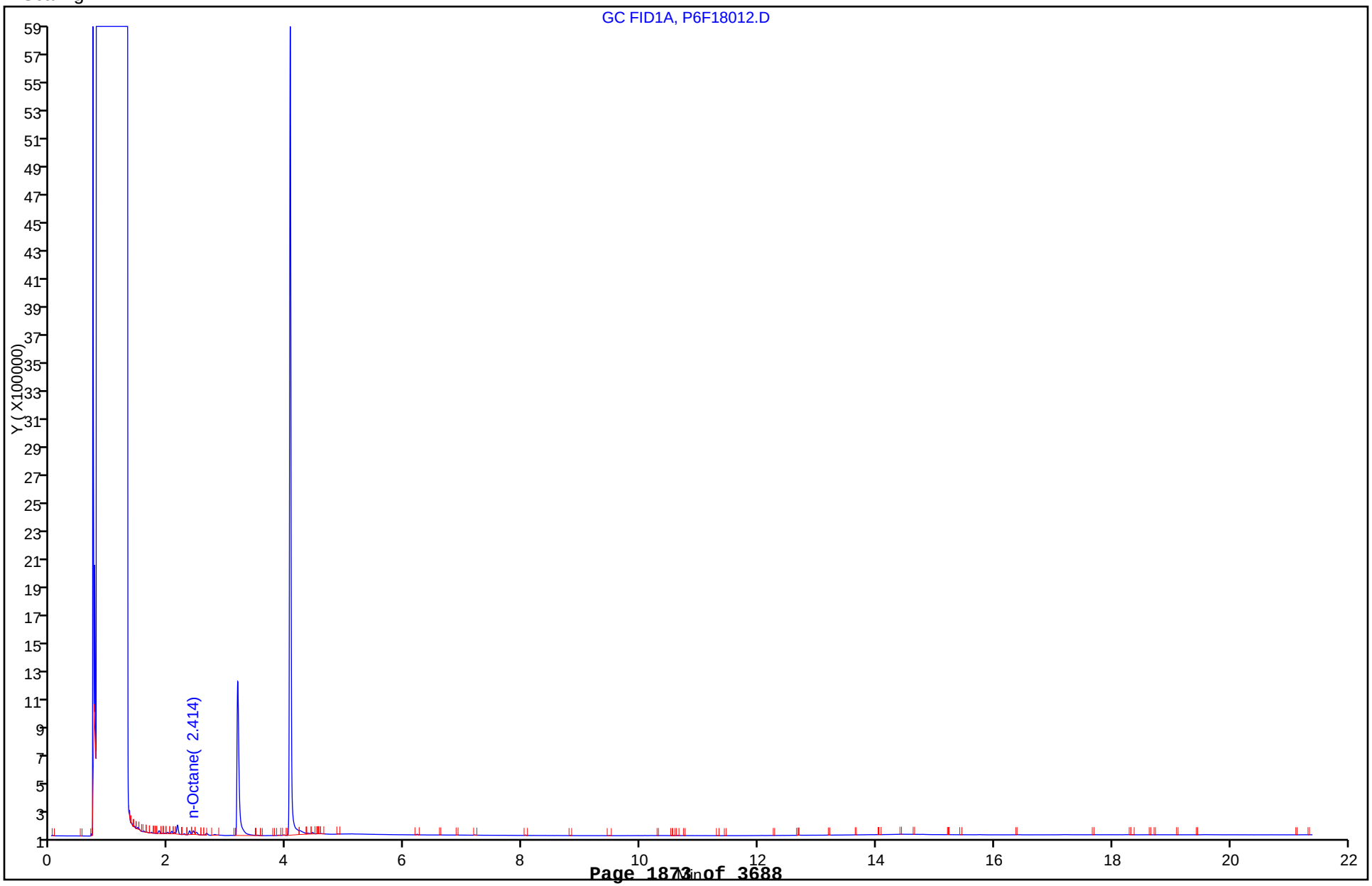
Report Date: 19-Apr-2013 11:26:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18012.D

Injection Date:	18-Apr-2013 20:41:50	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	12
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-82109/20-A

Matrix: Solid | Lab File ID: P5B17012.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 30.00(g) | Date Analyzed: 04/17/2013 19:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	9.3	U	17	9.3	9.3
STL00272	C20-C34	9.3	U	17	9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	48		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17012.D		
Lims ID:	MB 240-82109/20-A	Client ID:	
Inject. Date:	17-Apr-2013 19:25:16	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018962-012		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	62
Lims Batch ID:	82321	Lims Sample ID:	12
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	25.920					
A	2 C28-C36					
	13.455 -16.233					
A	3 C10-C34					
	4.847 - 15.137					
A	4 C32-C44					
	14.473 -25.920					
A	5 C12-C22					
	6.307 - 10.737					
A	6 C22-C32					
	10.737 -14.473					
	7 n-Octane					
	2.671	2.700	-0.029	5905547	0	
$	8 n-Nonane					
	3.696	3.698	-0.002	10101305	48.2	
	9 n-Decane					
	4.893	4.847	0.046	118029	0	
	10 Dodecane					
	6.273	6.307	-0.034	77260	0	
	11 n-Tetradecane					1
	7.402					
A	12 C10-C20					
	4.847 - 9.964					
	13 Hexadecane					1
	8.347					
A	14 C10-C28					
	4.626 - 13.555					

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
	4.847 - 13.324				
16 n-Octadecane					
9.145	9.194	-0.049	8633	0	
A 17 C10-C32					
	4.847 - 14.473				
18 icosane					
10.011	9.964	0.047	13357	0	
19 n-Docosane					
10.734	10.737	-0.003	69088	0	
A 20 C12-C24					
	6.307 - 11.766				
21 n-Tetracosane					
11.785	11.766	0.019	88277	0	
A 22 C20-C34					
	9.964 - 15.137				
23 n-Hexacosane					
12.631	12.624	0.007	18961	0	
24 n-Octacosane					
13.329	13.324	0.005	75242	0	
25 Triacontane					
13.926	13.924	0.002	119450	0	
26 Dotriacontane					
14.475	14.473	0.002	184509	0	
27 Tetratriacontane					
15.141	15.137	0.004	181090	0	
A 28 C24-C40					
	11.766 - 19.169				
29 n-Hexatriacontane					
16.044	16.039	0.005	328466	0	
30 C38					
17.318	17.319	-0.001	301478	0	
31 C40					
19.120	19.169	-0.049	194089	0	
A 32 C20-C36					
	9.964 - 16.039				
A 34 C24-C44					
	11.766 - 25.920				
A 35 C10-C24					
	4.726 - 11.923				

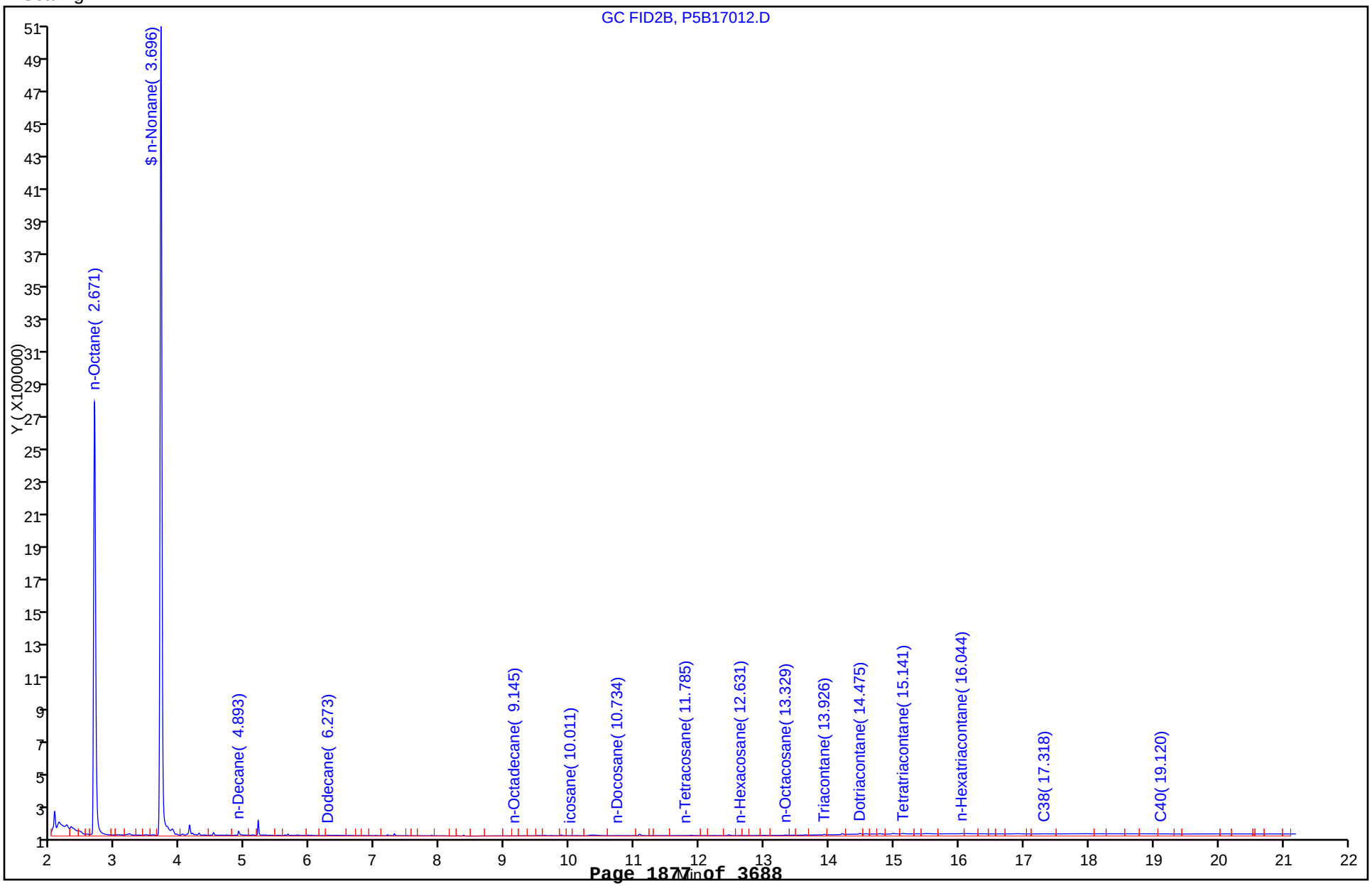
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 18-Apr-2013 11:07:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17012.D		
Injection Date:	17-Apr-2013 19:25:16	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	12
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80861/12-A

Matrix: Water | Lab File ID: P5B10012.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 04/06/2013 10:03

Sample wt/vol: 1000(mL) | Date Analyzed: 04/10/2013 17:14

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81310 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	63		10-110

TestAmerica Canton
Target Compound Quantitation Report

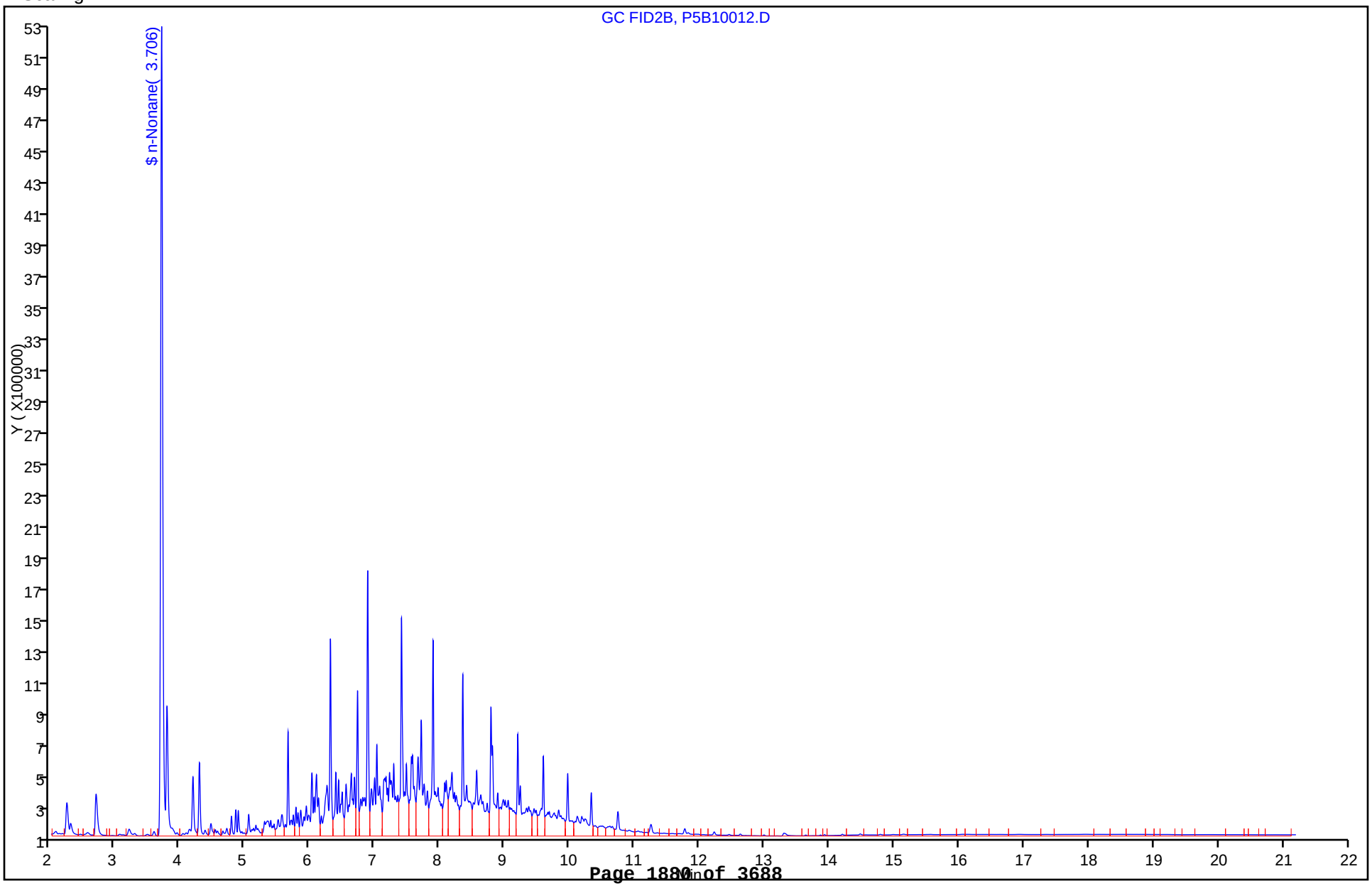
Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10012.D		
Lims ID:	LCS 240-80861/12-A	Client ID:	
Inject. Date:	10-Apr-2013 17:14:50	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0018725-012		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	62
Lims Batch ID:	81310	Lims Sample ID:	12
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m		
Last Update:	11-Apr-2013 12:18:27	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK022		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.706	3.706	0.000	13234218	63.1	
A 15 Diesel					
9.091	4.851 - 13.331		74006546	430.9	

Report Date: 11-Apr-2013 12:18:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10012.D		
Injection Date:	10-Apr-2013 17:14:50	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	12
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-82097/24-A

Matrix: Solid Lab File ID: P6F18013.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/16/2013 10:04

Sample wt/vol: 30.00(g) Date Analyzed: 04/18/2013 21:13

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	48		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18013.D		
Lims ID:	LCS 240-82097/24-A	Client ID:	
Inject. Date:	18-Apr-2013 21:13:16	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0019017-013		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	82537	Lims Sample ID:	13
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m		
Last Update:	19-Apr-2013 11:26:41	Calib Date:	17-Apr-2013 20:46:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.058	4.065	-0.007	9081006	47.7	
A 15 Diesel					
9.312	5.098 - 13.526		66904395	356.1	

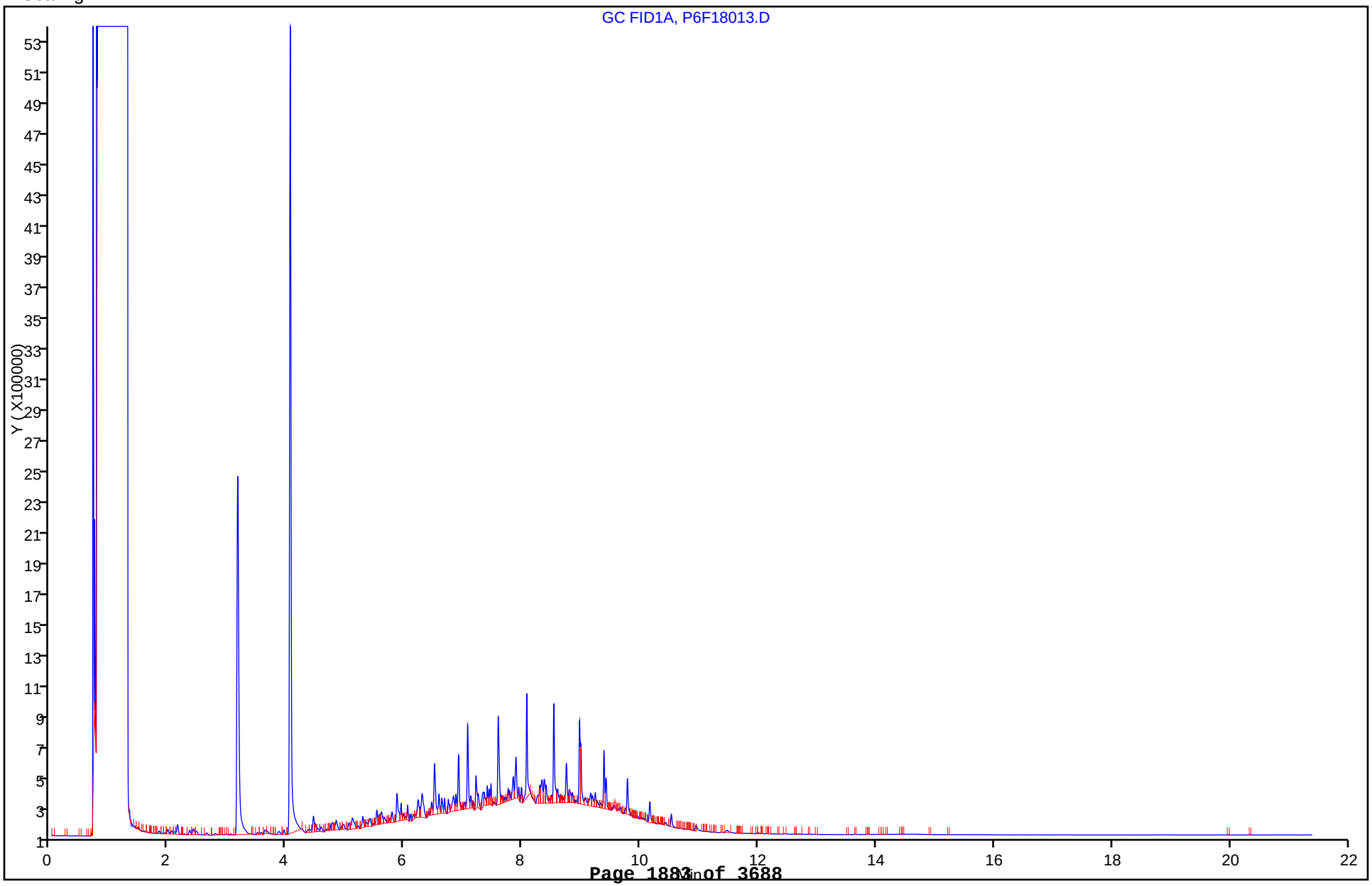
Report Date: 19-Apr-2013 11:26:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18013.D

Injection Date:	18-Apr-2013 21:13:16	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	13
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-82109/21-A

Matrix: Solid Lab File ID: P5B17013.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/16/2013 10:36

Sample wt/vol: 30.00(g) Date Analyzed: 04/17/2013 19:55

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	57		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17013.D		
Lims ID:	LCS 240-82109/21-A	Client ID:	
Inject. Date:	17-Apr-2013 19:55:39	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0018962-013		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	63
Lims Batch ID:	82321	Lims Sample ID:	13
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
3.696	3.698	-0.002	11902867	56.7	
A 15 Diesel					
9.086	4.847 - 13.324		75800808	441.4	

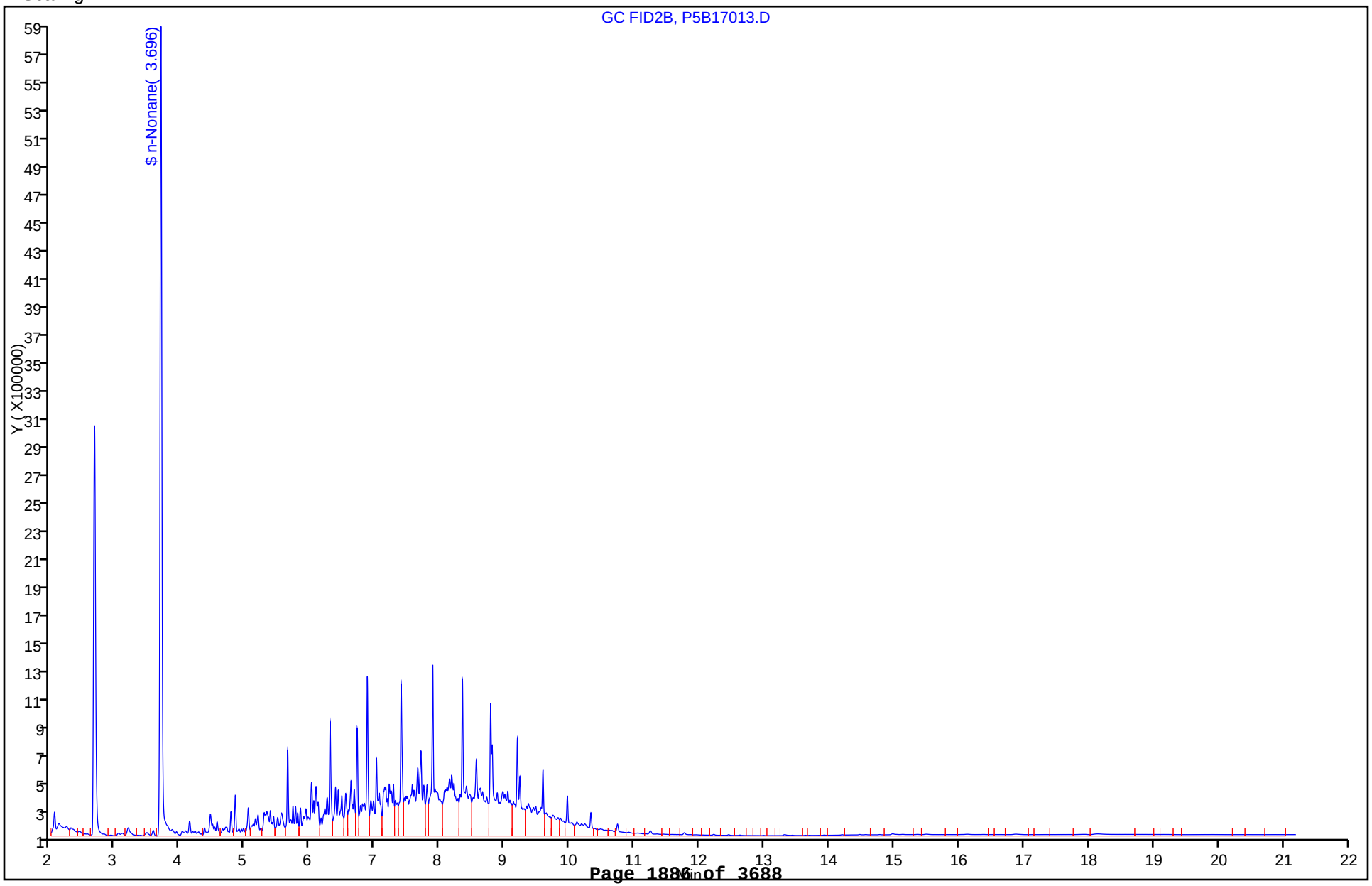
Report Date: 18-Apr-2013 11:07:21 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17013.D

Injection Date:	17-Apr-2013 19:55:39	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	13
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81310/10

Matrix: Water | Lab File ID: P5B10010.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/10/2013 16:13

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81310 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	77.9	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	100		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10010.D
Lims ID: MRL Client ID:
Inject. Date: 10-Apr-2013 16:13:28 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018725-010
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 60
Lims Batch ID: 81310 Lims Sample ID: 10
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m
Last Update: 11-Apr-2013 12:18:27 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	25.920					
A	2 C28-C36					
	14.825	13.404	-16.247	1151924	0	
A	3 C10-C34					
	10.000	4.851	- 15.149	17622166	102.6	
A	4 C32-C44					
	14.481	-25.920				
A	5 C12-C22					
	8.527	6.310	- 10.744	10743915	62.6	
A	6 C22-C32					
	10.744	-14.481				
7	n-Octane					
	2.684	2.655	0.029	22954	0	
$	8 n-Nonane					
	3.706	3.706	0.000	2102729	10.0	
9	n-Decane					
	4.849	4.851	-0.002	291725	0	
10	Dodecane					
	6.309	6.310	-0.001	808318	0	
11	n-Tetradecane					
	7.405	7.405	0.000	855045	0	
A	12 C10-C20					
	7.387	4.851	- 9.969	13371426	77.9	
13	Hexadecane					
	8.350	8.350	0.000	711951	0	
A	14 C10-C28					
	9.037	4.571	- 13.504	17416835	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.091	4.851 - 13.331		17073659	99.4	
16 n-Octadecane					
9.199	9.198	0.001	568973	0	
A 17 C10-C32					
9.666	4.851 - 14.481		17288260	100.7	
18 icosane					
9.969	9.969	0.000	205294	0	
19 n-Docosane					
10.746	10.744	0.002	131979	0	
A 20 C12-C24					
9.043	6.310 - 11.775		12294370	71.6	
21 n-Tetracosane					
11.782	11.775	0.007	83902	0	
A 22 C20-C34					
	9.969 - 15.149				
23 n-Hexacosane					
12.640	12.632	0.008	55644	0	
24 n-Octacosane					
13.337	13.331	0.006	9650	0	
25 Triacontane					
13.938	13.931	0.007	21512	0	
26 Dotriacontane					
14.490	14.481	0.009	110236	0	
27 Tetratriacontane					
15.158	15.149	0.009	86404	0	
A 28 C24-C40					
	11.775 - 19.200				
29 n-Hexatriacontane					1
	16.059				
30 C38					1
	17.346				
31 C40					1
	19.200				
A 32 C20-C36					
	9.969 - 16.059				
A 34 C24-C44					
	11.775 - 25.920				
A 35 C10-C24					
8.311	4.671 - 11.951		16213173	94.4	

QC Flag Legend

Processing Flags
1 - Missing Peaks

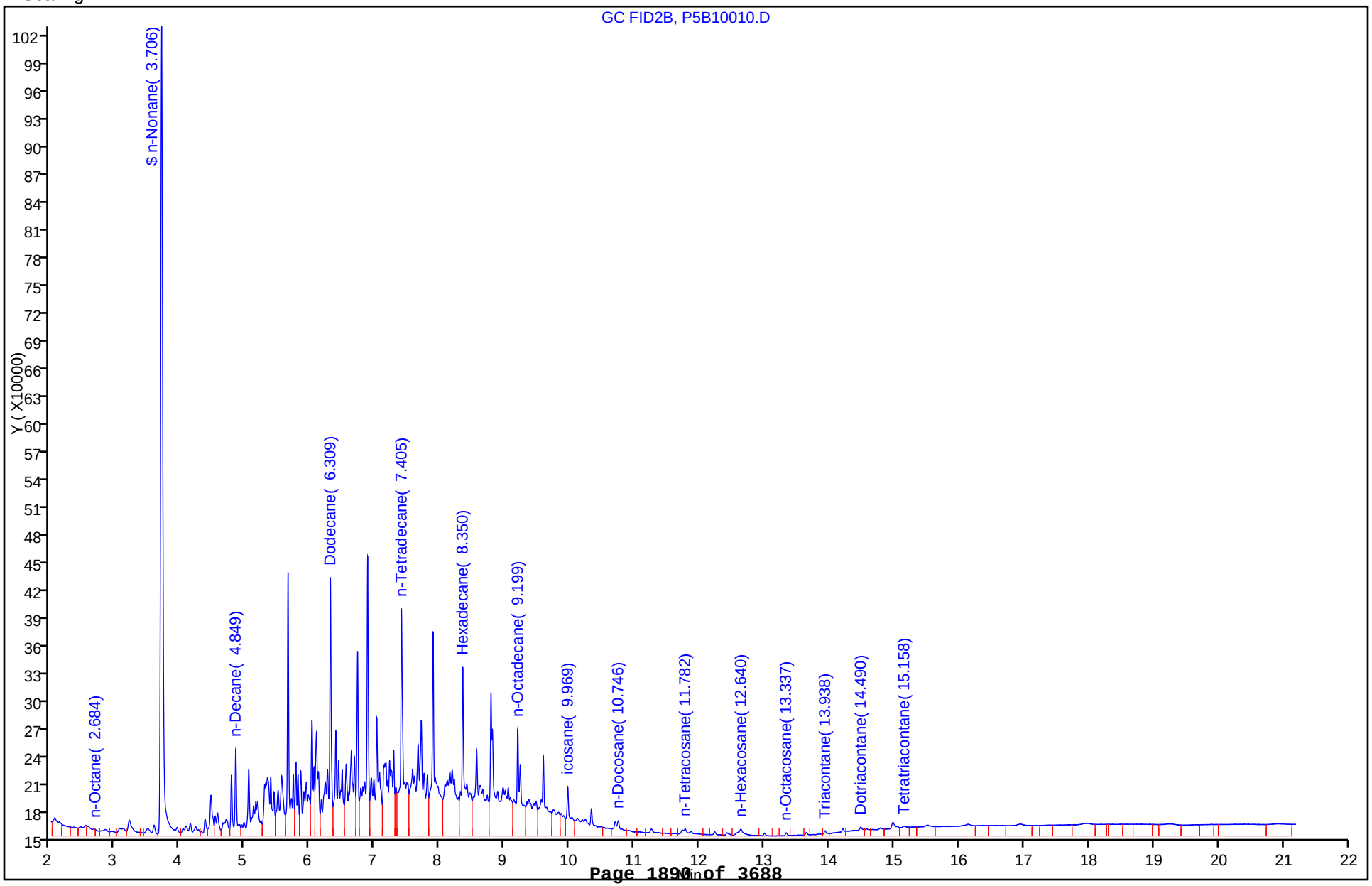
Report Date: 11-Apr-2013 12:18:29 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10010.D

Injection Date:	10-Apr-2013 16:13:28	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	10
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81310/15

Matrix: Water | Lab File ID: P5B10015.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/10/2013 18:46

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81310 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	80.1	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	104		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10015.D
Lims ID: MRL Client ID:
Inject. Date: 10-Apr-2013 18:46:14 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018725-015
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 65
Lims Batch ID: 81310 Lims Sample ID: 15
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\TPH5R.m
Last Update: 11-Apr-2013 12:18:31 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

		RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane	25.920					1
A	2 C28-C36	14.825	13.404	-16.247	1095395	0	
A	3 C10-C34	10.000	4.851	- 15.149	18172217	105.8	
A	4 C32-C44		14.481	-25.920			
A	5 C12-C22	8.527	6.310	- 10.744	11592061	67.5	
A	6 C22-C32		10.744	-14.481			
	7 n-Octane	2.655					1
$	8 n-Nonane	3.706	3.706	0.000	2177231	10.4	
	9 n-Decane	4.849	4.851	-0.002	309832	0	
	10 Dodecane	6.308	6.310	-0.002	845828	0	
	11 n-Tetradecane	7.404	7.405	-0.001	889882	0	
A	12 C10-C20	7.388	4.851	- 9.969	13754119	80.1	
	13 Hexadecane	8.350					1
A	14 C10-C28	9.037	4.571	- 13.504	18028520	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.091	4.851 - 13.331		17662678	102.8	
16 n-Octadecane					
9.197	9.198	-0.001	588806	0	
A 17 C10-C32					
9.666	4.851 - 14.481		17870283	104.1	
18 icosane					
9.969	9.969	0.000	210289	0	
19 n-Docosane					
10.749	10.744	0.005	67582	0	
A 20 C12-C24					
9.043	6.310 - 11.775		12800901	74.5	
21 n-Tetracosane					1
11.775					
A 22 C20-C34					
9.969 - 15.149					
23 n-Hexacosane					
12.667	12.632	0.035	7200	0	
24 n-Octacosane					
13.350	13.331	0.019	6200	0	
25 Triacontane					
13.945	13.931	0.014	37844	0	
26 Dotriacontane					
14.492	14.481	0.011	139876	0	
27 Tetratriacontane					
15.164	15.149	0.015	84095	0	
A 28 C24-C40					
11.775 - 19.200					
29 n-Hexatriacontane					1
16.059					
30 C38					1
17.346					
31 C40					
19.221	19.200	0.021	118459	0	
A 32 C20-C36					
9.969 - 16.059					
A 34 C24-C44					
11.775 - 25.920					
A 35 C10-C24					
8.311	4.671 - 11.951		16989148	98.9	

QC Flag Legend

Processing Flags
1 - Missing Peaks

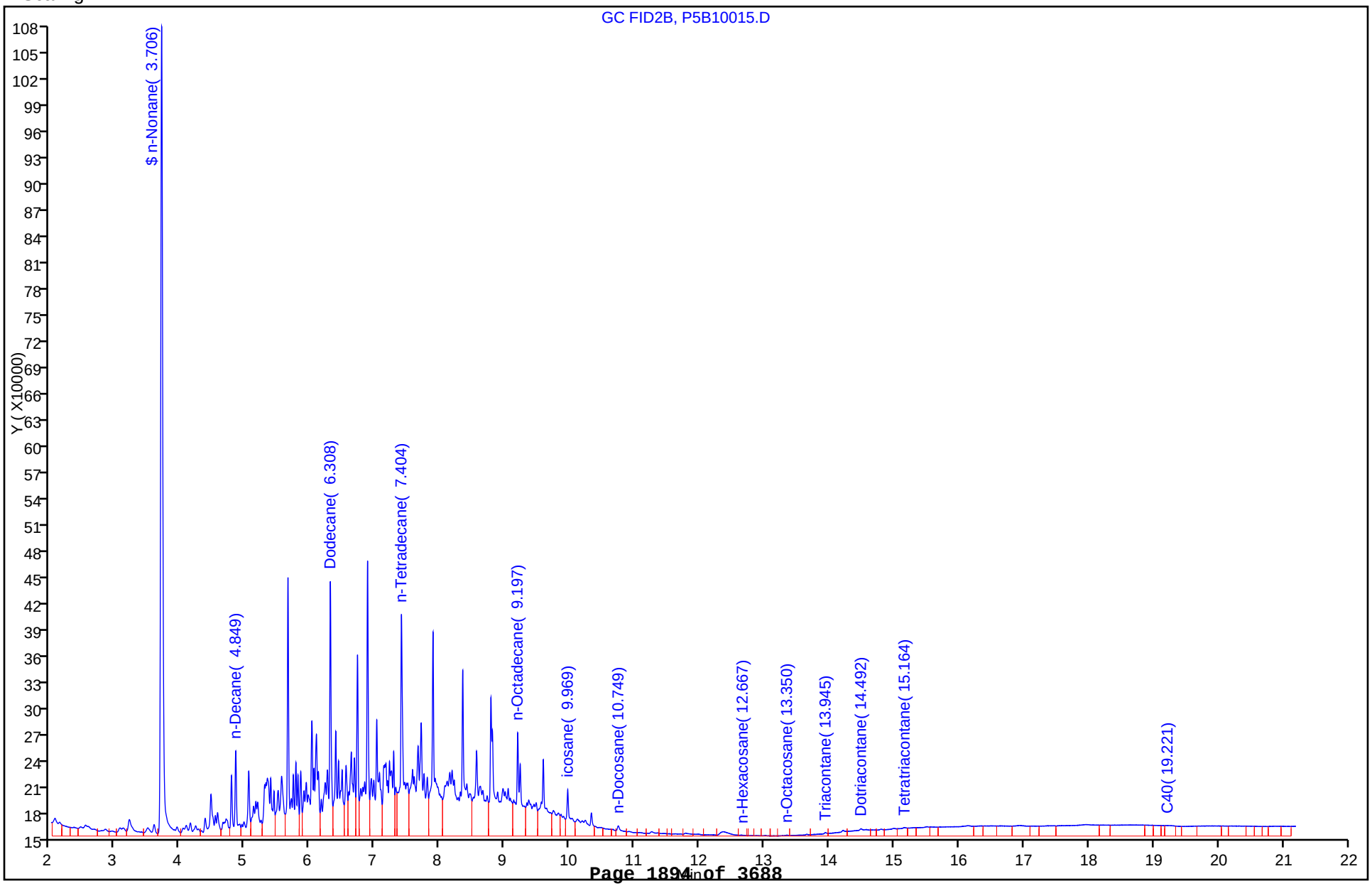
Report Date: 11-Apr-2013 12:18:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10015.D

Injection Date:	10-Apr-2013 18:46:14	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	81310	Lims Sample ID:	15
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82321/11

Matrix: Solid | Lab File ID: P5B17011.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/17/2013 18:55

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	83.2	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	101		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17011.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	17-Apr-2013 18:55:03	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018962-011		
Misc. Info.:			
Operator:	400725	Instrument ID:	A2HP5R
Injection Vol:	1.0 ul	ALS Bottle#:	61
Lims Batch ID:	82321	Lims Sample ID:	11
Detector:	GC FID2B		
Method:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m		
Last Update:	18-Apr-2013 11:07:18	Calib Date:	10-Apr-2013 14:20:23
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

		RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane	25.920					1
A	2 C28-C36	14.844	13.455	-16.233	1300356	0	
A	3 C10-C34	9.992	4.847	- 15.137	18069167	105.2	
A	4 C32-C44	14.473	-25.920				
A	5 C12-C22	8.522	6.307	- 10.737	11433251	66.6	
A	6 C22-C32	10.737	-14.473				
	7 n-Octane	2.700					1
$	8 n-Nonane	3.702	3.698	0.004	2109021	10.1	
	9 n-Decane	4.846	4.847	-0.001	283602	0	
	10 Dodecane	6.306	6.307	-0.001	817652	0	
	11 n-Tetradecane	7.401	7.402	-0.001	826051	0	
A	12 C10-C20	7.382	4.847	- 9.964	14286005	83.2	
	13 Hexadecane	8.346	8.347	-0.001	752763	0	
A	14 C10-C28	9.091	4.626	- 13.555	17516845	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.086	4.847 - 13.324		17216717	100.2	
16 n-Octadecane					
9.194	9.194	0.000	607844	0	
A 17 C10-C32					
9.660	4.847 - 14.473		17613482	102.6	
18 icosane					
9.964	9.964	0.000	218890	0	
19 n-Docosane					
10.740	10.737	0.003	62792	0	
A 20 C12-C24					
9.037	6.307 - 11.766		12638164	73.6	
21 n-Tetracosane					
11.771	11.766	0.005	39724	0	
A 22 C20-C34					
	9.964 - 15.137				
23 n-Hexacosane					
12.657	12.624	0.033	6477	0	
24 n-Octacosane					1
	13.324				
25 Triacontane					
13.959	13.924	0.035	166668	0	
26 Dotriacontane					1
	14.473				
27 Tetratriacontane					
15.101	15.137	-0.036	120705	0	
A 28 C24-C40					
	11.766 - 19.169				
29 n-Hexatriacontane					
16.026	16.039	-0.013	189827	0	
30 C38					
17.297	17.319	-0.022	58568	0	
31 C40					1
	19.169				
A 32 C20-C36					
	9.964 - 16.039				
A 34 C24-C44					
18.843	11.766 - 25.920		5372720	31.3	
A 35 C10-C24					
8.324	4.726 - 11.923		16458264	95.8	

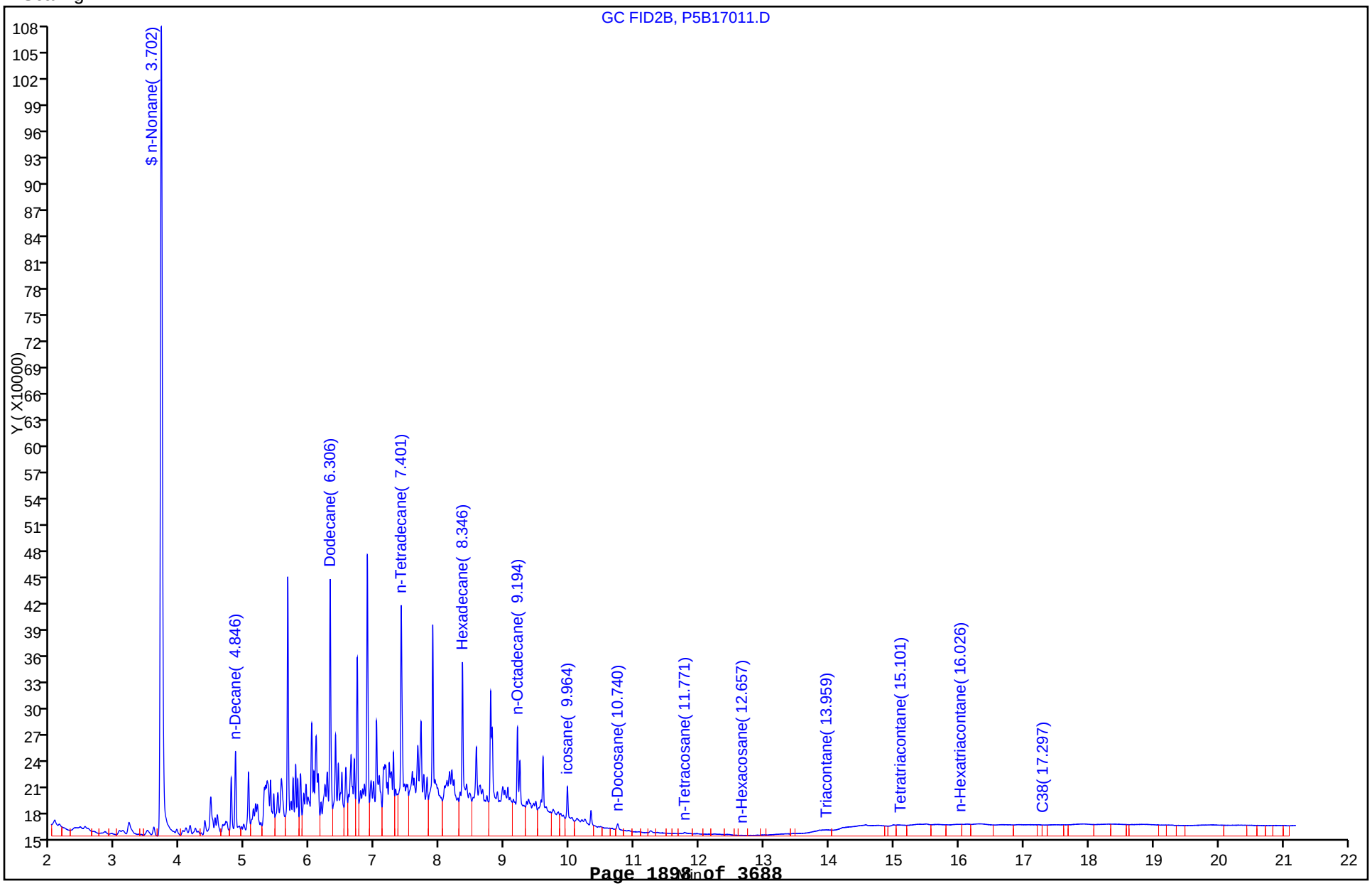
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 18-Apr-2013 11:07:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17011.D		
Injection Date:	17-Apr-2013 18:55:03	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	11
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-82321/36

Matrix: Solid Lab File ID: P5B17036.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 04/18/2013 07:37

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	78.8	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	101		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17036.D
Lims ID: MRL Client ID:
Inject. Date: 18-Apr-2013 07:37:02 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018962-036
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 86
Lims Batch ID: 82321 Lims Sample ID: 36
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m
Last Update: 18-Apr-2013 11:07:36 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	25.920					
A	2 C28-C36					
	14.844	13.455 -	16.233	1178627	0	
A	3 C10-C34					
	9.992	4.847 -	15.137	17496498	101.9	
A	4 C32-C44					
		14.473 -	25.920			
A	5 C12-C22					
	8.522	6.307 -	10.737	11023705	64.2	
A	6 C22-C32					
		10.737 -	14.473			
7	n-Octane					1
	2.700					
$	8 n-Nonane					
	3.704	3.698	0.006	2114037	10.1	
9	n-Decane					
	4.847	4.847	0.000	361060	0	
10	Dodecane					
	6.307	6.307	0.000	811649	0	
11	n-Tetradecane					
	7.402	7.402	0.000	854249	0	
A	12 C10-C20					
	7.381	4.847 -	9.964	13527502	78.8	
13	Hexadecane					
	8.347	8.347	0.000	738432	0	
A	14 C10-C28					
	9.091	4.626 -	13.555	17265112	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.086	4.847 - 13.324		16987773	98.9	
16 n-Octadecane					
9.194	9.194	0.000	594686	0	
A 17 C10-C32					
9.660	4.847 - 14.473		17195998	100.1	
18 icosane					
9.964	9.964	0.000	218701	0	
19 n-Docosane					
10.737	10.737	0.000	103347	0	
A 20 C12-C24					
9.037	6.307 - 11.766		12514820	72.9	
21 n-Tetracosane					
11.767	11.766	0.001	38434	0	
A 22 C20-C34					
	9.964 - 15.137				
23 n-Hexacosane					
12.632	12.624	0.008	2667	0	
24 n-Octacosane					1
	13.324				
25 Triacontane					1
	13.924				
26 Dotriacontane					1
	14.473				
27 Tetratriacontane					1
	15.137				
A 28 C24-C40					
	11.766 -19.169				
29 n-Hexatriacontane					1
	16.039				
30 C38					
17.298	17.319	-0.021	44191	0	
31 C40					
19.202	19.169	0.033	102964	0	
A 32 C20-C36					
	9.964 - 16.039				
A 34 C24-C44					
18.843	11.766 -25.920		5531038	32.2	
A 35 C10-C24					
8.324	4.726 - 11.923		16368027	95.3	

QC Flag Legend

Processing Flags
1 - Missing Peaks

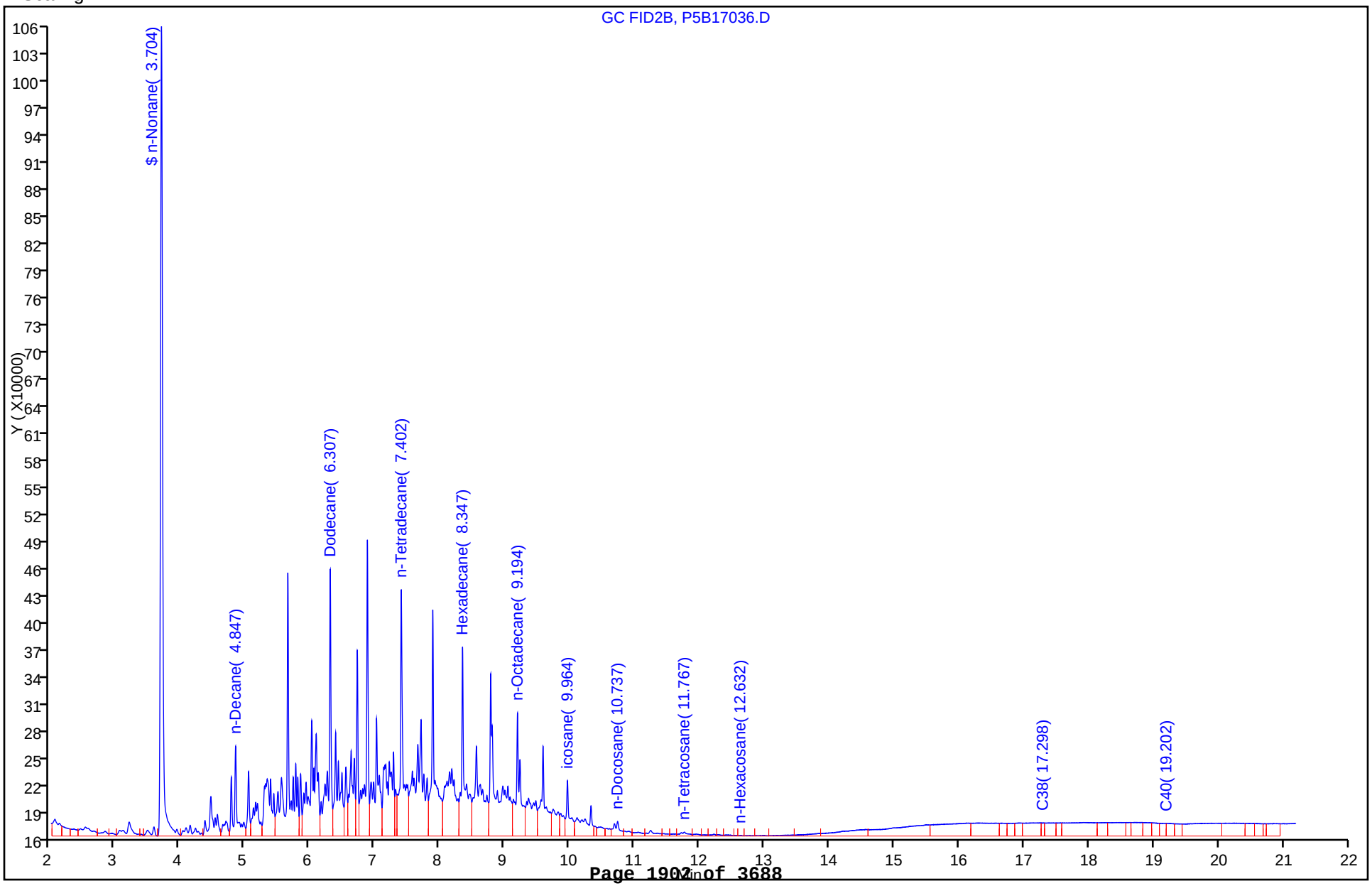
Report Date: 18-Apr-2013 11:07:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17036.D

Injection Date:	18-Apr-2013 07:37:02	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	36
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82537/6

Matrix: Solid | Lab File ID: P6F18006.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/18/2013 17:32

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	63.3	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	90		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18006.D
Lims ID: MRL Client ID:
Inject. Date: 18-Apr-2013 17:32:00 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019017-006
Misc. Info.:
Operator: 400725 Instrument ID: A2HP6F
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 82537 Lims Sample ID: 6
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m
Last Update: 19-Apr-2013 11:26:41 Calib Date: 17-Apr-2013 20:46:28
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
		26.357				
A	2 C28-C36					
	15.076	13.664	-16.488	249673	0	
A	3 C10-C34					
	10.232	5.098	- 15.366	19992237	106.4	
A	4 C32-C44					
		14.684	-26.357			
A	5 C12-C22					
	8.715	6.497	- 10.932	12666420	67.4	
A	6 C22-C32					
		10.932	-14.684			
	7 n-Octane					
	2.413	2.413	0.000	1282	0	
$	8 n-Nonane					
	4.069	4.065	0.004	1713317	9.00	
	9 n-Decane					
	5.093	5.098	-0.005	3202	0	
	10 Dodecane					
	6.531	6.497	0.034	135930	0	
	11 n-Tetradecane					
	7.608	7.584	0.024	270330	0	
A	12 C10-C20					
	7.626	5.098	- 10.153	11900688	63.3	
	13 Hexadecane					
	8.546	8.529	0.017	132199	0	
A	14 C10-C28					
	9.364	5.064	- 13.664	19252204	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.312	5.098 - 13.526		19206227	102.2	
16 n-Octadecane					
9.355	9.379	-0.024	661	0	
A 17 C10-C32					
9.891	5.098 - 14.684		19268067	102.6	
18 icosane					
10.139	10.153	-0.014	371	0	
19 n-Docosane					1
	10.932				
A 20 C12-C24					
9.232	6.497 - 11.967		14266488	75.9	
21 n-Tetracosane					1
	11.967				
A 22 C20-C34					
	10.153 -15.366				
23 n-Hexacosane					1
	12.824				
24 n-Octacosane					1
	13.526				
25 Triacontane					1
	14.128				
26 Dotriacontane					1
	14.684				
27 Tetratriacontane					1
	15.366				
A 28 C24-C40					
	11.967 -19.526				
29 n-Hexatriacontane					1
	16.295				
30 C38					1
	17.616				
31 C40					
19.496	19.526	-0.030	391	0	
A 32 C20-C36					
	10.153 -16.295				
A 33 C24-C44					
	11.967 -26.357				
A 34 C10-C24					
8.533	5.098 - 11.967		18160191	96.7	
$ 35 o-Terphenyl					
0.037	0.0	0.037	6144	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

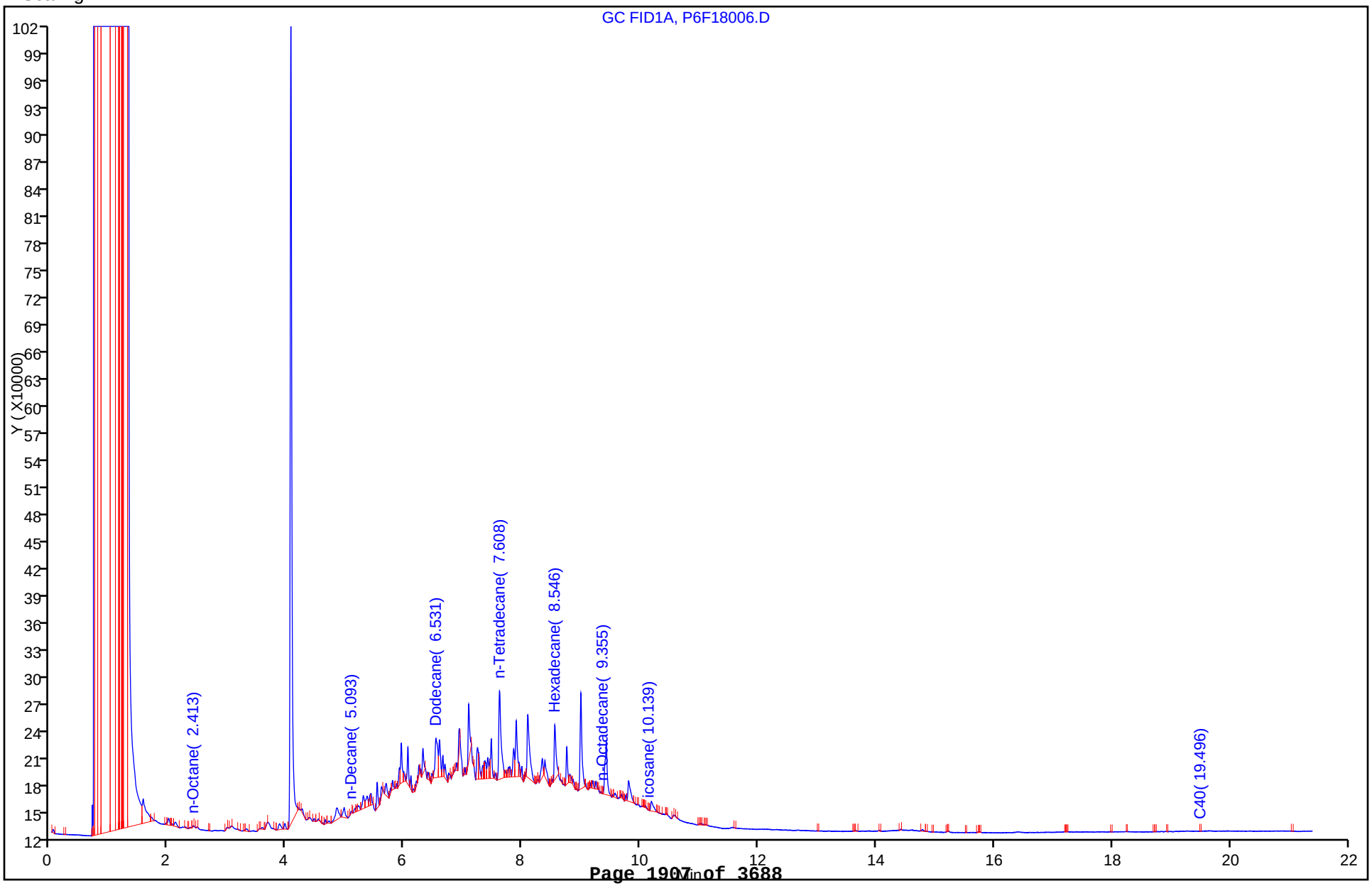
Report Date: 19-Apr-2013 11:26:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18006.D

Injection Date:	18-Apr-2013 17:32:00	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	6
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82537/39

Matrix: Solid | Lab File ID: P6F18039.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/19/2013 10:49

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82537 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	69.7	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	105		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18039.D
Lims ID: MRL Client ID:
Inject. Date: 19-Apr-2013 10:49:12 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019017-039
Misc. Info.:
Operator: 400725 Instrument ID: A2HP6F
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 82537 Lims Sample ID: 39
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\TPH6F.m
Last Update: 19-Apr-2013 11:27:10 Calib Date: 17-Apr-2013 20:46:28
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP6F\20130417-18980.b\P6F17009.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
		26.357				
A	2 C28-C36					
	15.076	13.664	-16.488	2198785	0	
A	3 C10-C34					
	10.232	5.098	- 15.366	19863398	105.7	
A	4 C32-C44					
		14.684	-26.357			
A	5 C12-C22					
	8.715	6.497	- 10.932	12488977	66.5	
A	6 C22-C32					
		10.932	-14.684			
	7 n-Octane					
	2.417	2.413	0.004	7434	0	
$	8 n-Nonane					
	4.067	4.065	0.002	2006744	10.5	
	9 n-Decane					
	5.107	5.098	0.009	50557	0	
	10 Dodecane					
	6.505	6.497	0.008	199937	0	
	11 n-Tetradecane					
	7.589	7.584	0.005	318002	0	
A	12 C10-C20					
	7.605	5.098	- 10.153	13096366	69.7	
	13 Hexadecane					
	8.533	8.529	0.004	191112	0	
A	14 C10-C28					
	9.364	5.064	- 13.664	18502130	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.312	5.098 - 13.526		18431754	98.1	
16 n-Octadecane					
9.383	9.379	0.004	105420	0	
A 17 C10-C32					
9.891	5.098 - 14.684		19079890	101.6	
18 icosane					
10.159	10.153	0.006	52246	0	
19 n-Docosane					
10.941	10.932	0.009	18113	0	
A 20 C12-C24					
9.232	6.497 - 11.967		14325853	76.3	
21 n-Tetracosane					
11.973	11.967	0.006	498	0	
A 22 C20-C34					
	10.153 - 15.366				
23 n-Hexacosane					
12.830	12.824	0.006	513	0	
24 n-Octacosane					1
	13.526				
25 Triacontane					1
	14.128				
26 Dotriacontane					1
	14.684				
27 Tetratriacontane					1
	15.366				
A 28 C24-C40					
15.746	11.967 - 19.526		6833046	36.4	
29 n-Hexatriacontane					1
	16.295				
30 C38					1
	17.616				
31 C40					1
	19.526				
A 32 C20-C36					
	10.153 - 16.295				
A 33 C24-C44					
19.162	11.967 - 26.357		9153485	48.7	
A 34 C10-C24					
8.533	5.098 - 11.967		18219617	97.0	
$ 35 o-Terphenyl					
0.035	0.0	0.035	6274	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

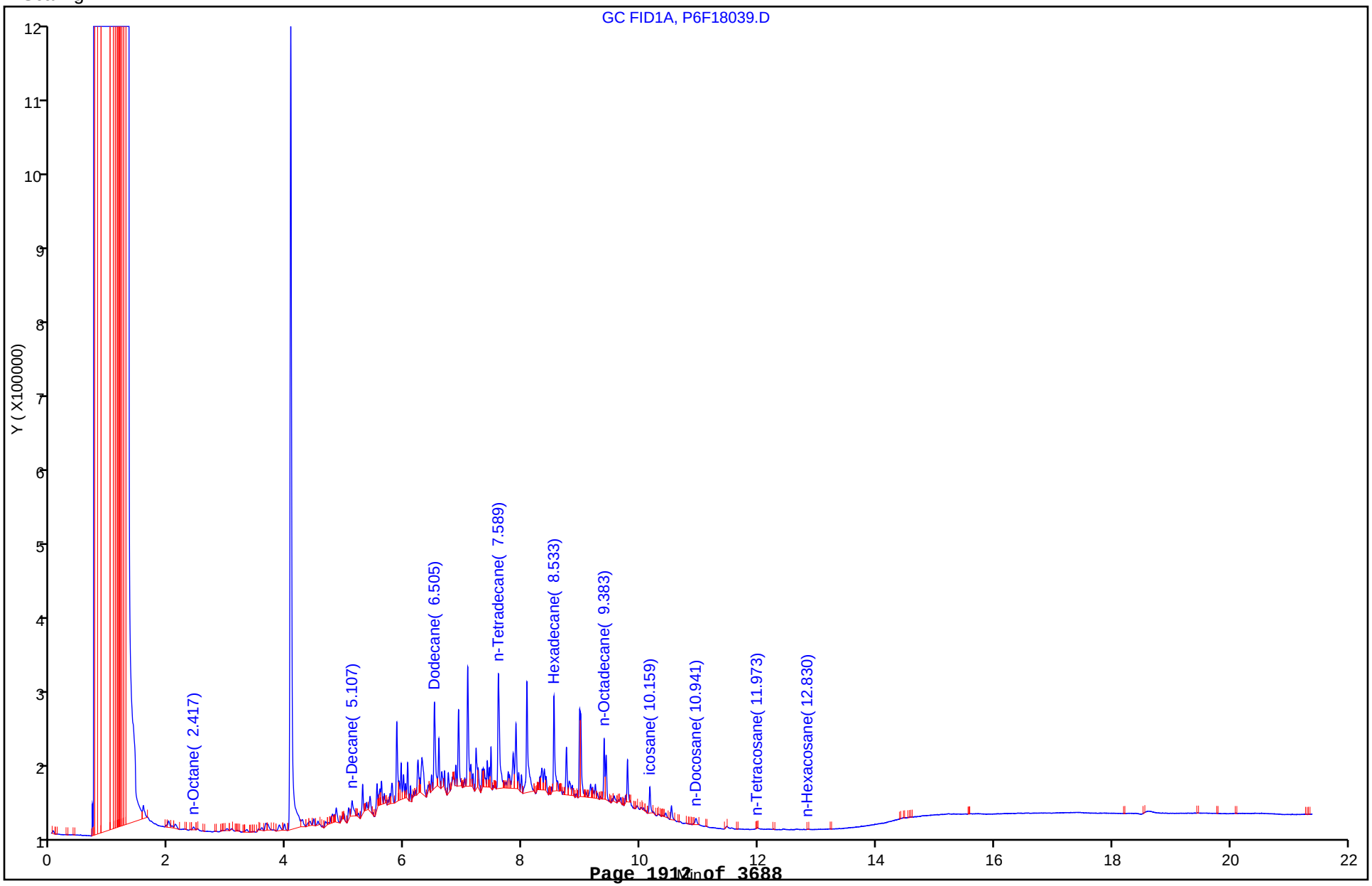
Report Date: 19-Apr-2013 11:27:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20130418-19017.b\P6F18039.D

Injection Date:	19-Apr-2013 10:49:12	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	82537	Lims Sample ID:	39
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO MS | Lab Sample ID: 240-22804-4 MS

Matrix: Solid | Lab File ID: P5B17017.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 11:40

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 30.28(g) | Date Analyzed: 04/17/2013 21:57

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	65.9		20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	42		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17017.D
Lims ID: 240-22804-G-4-E MS Client ID:
Inject. Date: 17-Apr-2013 21:57:02 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0018962-017
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 67
Lims Batch ID: 82321 Lims Sample ID: 17
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m
Last Update: 18-Apr-2013 11:07:18 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	25.920					
A	2 C28-C36					
	14.844	13.455	-16.233	2064714	0	
A	3 C10-C34					
	9.992	4.847	- 15.137	65552646	381.7	
A	4 C32-C44					
	14.473	-25.920				
A	5 C12-C22					
	8.522	6.307	- 10.737	53408033	311.0	
A	6 C22-C32					
	10.737	-14.473				
	7 n-Octane					
	2.680	2.700	-0.020	4333941	0	
$	8 n-Nonane					
	3.700	3.698	0.002	8706618	41.5	
	9 n-Decane					
	4.844	4.847	-0.003	919941	0	
	10 Dodecane					
	6.306	6.307	-0.001	2265609	0	
	11 n-Tetradecane					
	7.401	7.402	-0.001	1977220	0	
A	12 C10-C20					
	7.405	4.847	- 9.964	58156279	338.6	
	13 Hexadecane					
	8.346	8.347	-0.001	3939645	0	
A	14 C10-C28					
	9.091	4.626	- 13.555	64258291	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.086	4.847 - 13.324		63644246	370.6	
16 n-Octadecane					
9.193	9.194	-0.001	3262030	0	
A 17 C10-C32					
9.660	4.847 - 14.473		64882375	377.8	
18 icosane					
9.963	9.964	-0.001	1167395	0	
19 n-Docosane					
10.735	10.737	-0.002	562835	0	
A 20 C12-C24					
9.037	6.307 - 11.766		53972541	314.3	
21 n-Tetracosane					1
11.766					
A 22 C20-C34					
12.608	9.964 - 15.137		5969452	34.8	
23 n-Hexacosane					
12.623	12.624	-0.001	359820	0	
24 n-Octacosane					
13.279	13.324	-0.045	542464	0	
25 Triacontane					
13.921	13.924	-0.003	248205	0	
26 Dotriacontane					
14.469	14.473	-0.004	489268	0	
27 Tetratriacontane					
15.133	15.137	-0.004	258705	0	
A 28 C24-C40					
15.467	11.766 - 19.169		5483386	31.9	
29 n-Hexatriacontane					
16.034	16.039	-0.005	250598	0	
30 C38					
17.313	17.319	-0.006	244854	0	
31 C40					
19.180	19.169	0.011	228189	0	
A 32 C20-C36					
13.001	9.964 - 16.039		7228079	42.1	
A 34 C24-C44					
18.843	11.766 - 25.920		6737320	39.2	
A 35 C10-C24					
8.324	4.726 - 11.923		62276420	362.6	

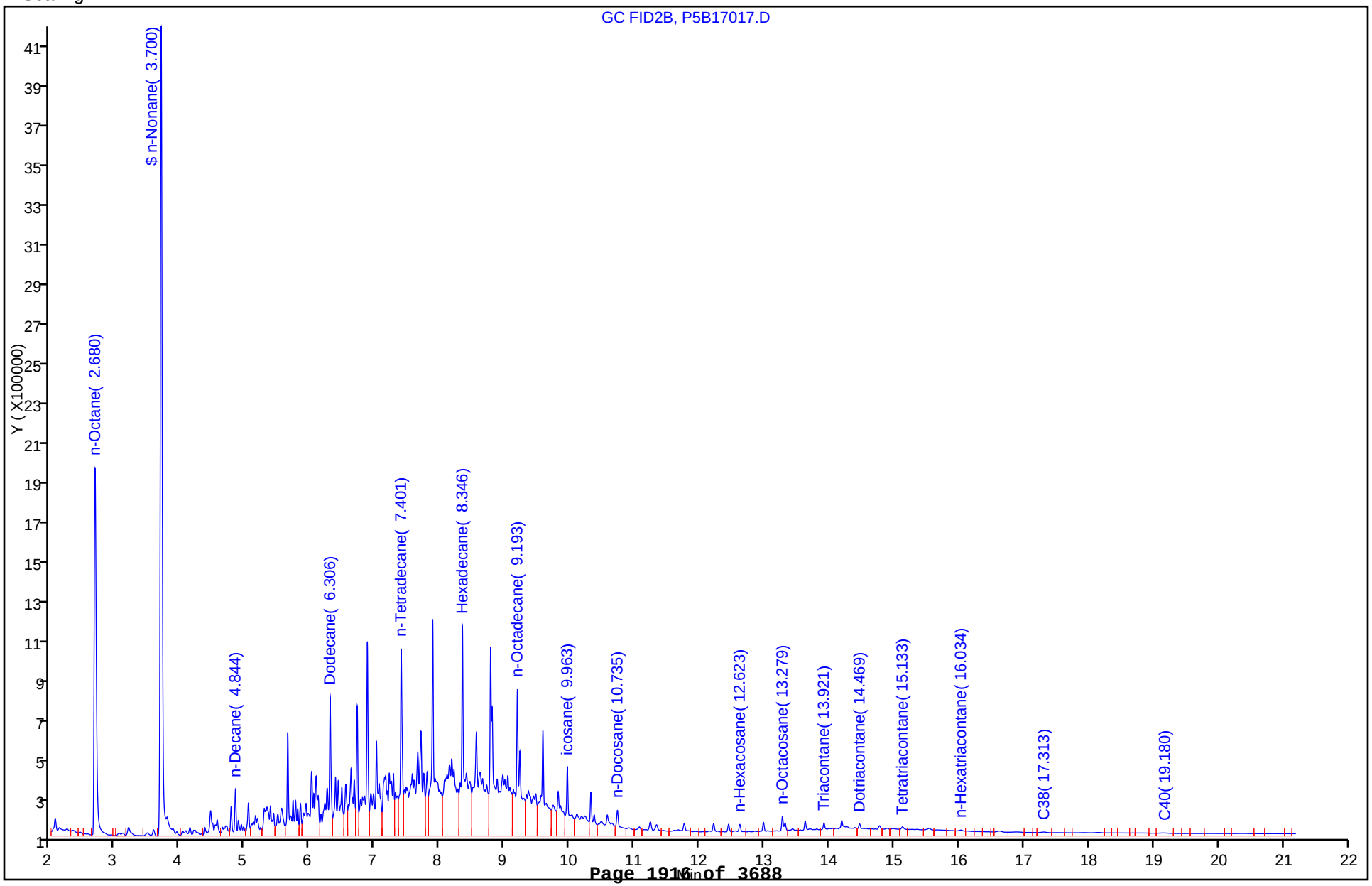
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 18-Apr-2013 11:07:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17017.D		
Injection Date:	17-Apr-2013 21:57:02	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	17
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO MSD | Lab Sample ID: 240-22804-4 MSD

Matrix: Solid | Lab File ID: P5B17018.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 04/03/2013 11:40

Extraction Method: 3540C | Date Extracted: 04/16/2013 10:36

Sample wt/vol: 29.77(g) | Date Analyzed: 04/17/2013 22:27

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82321 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	72.1		20	11	11
STL00272	C20-C34	11	U	20	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17018.D
Lims ID: 240-22804-G-4-F MSD Client ID:
Inject. Date: 17-Apr-2013 22:27:18 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0018962-018
Misc. Info.:
Operator: 400725 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 68
Lims Batch ID: 82321 Lims Sample ID: 18
Detector: GC FID2B

Method: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\TPH5R.m
Last Update: 18-Apr-2013 11:07:18 Calib Date: 10-Apr-2013 14:20:23
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130410-18725.b\P5B10008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	25.920					
A	2 C28-C36					
	14.844	13.455	-16.233	1616597	0	
A	3 C10-C34					
	9.992	4.847	- 15.137	71161804	414.3	
A	4 C32-C44					
	14.473	-25.920				
A	5 C12-C22					
	8.522	6.307	- 10.737	56779322	330.6	
A	6 C22-C32					
	10.737	-14.473				
	7 n-Octane					
	2.663	2.700	-0.037	4112152	0	
$	8 n-Nonane					
	3.693	3.698	-0.005	11486368	54.8	
	9 n-Decane					
	4.842	4.847	-0.005	842303	0	
	10 Dodecane					
	6.305	6.307	-0.002	2519996	0	
	11 n-Tetradecane					
	7.416	7.402	0.014	4062614	0	
A	12 C10-C20					
	7.405	4.847	- 9.964	62571431	364.3	
	13 Hexadecane					
	8.345	8.347	-0.002	4223625	0	
A	14 C10-C28					
	9.091	4.626	- 13.555	70237273	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.086	4.847 - 13.324		69472297	404.5	
16 n-Octadecane					
9.193	9.194	-0.001	2785439	0	
A 17 C10-C32					
9.660	4.847 - 14.473		70555935	410.8	
18 icosane					
9.963	9.964	-0.001	1174809	0	
19 n-Docosane					
10.736	10.737	-0.001	564695	0	
A 20 C12-C24					
9.037	6.307 - 11.766		58574902	341.1	
21 n-Tetracosane					1
11.766					
A 22 C20-C34					
12.606	9.964 - 15.137		5601722	32.6	
23 n-Hexacosane					1
12.624					
24 n-Octacosane					
13.322	13.324	-0.002	303721	0	
25 Triacontane					
13.922	13.924	-0.002	235958	0	
26 Dotriacontane					
14.461	14.473	-0.012	595548	0	
27 Tetratriacontane					1
15.137					
A 28 C24-C40					
11.766 - 19.169					
29 n-Hexatriacontane					
16.028	16.039	-0.011	288135	0	
30 C38					
17.314	17.319	-0.005	218792	0	
31 C40					
19.148	19.169	-0.021	244091	0	
A 32 C20-C36					
13.001	9.964 - 16.039		6799271	39.6	
A 34 C24-C44					
18.843	11.766 - 25.920		5415452	31.5	
A 35 C10-C24					
8.324	4.726 - 11.923		68031160	396.1	

QC Flag Legend

Processing Flags
1 - Missing Peaks

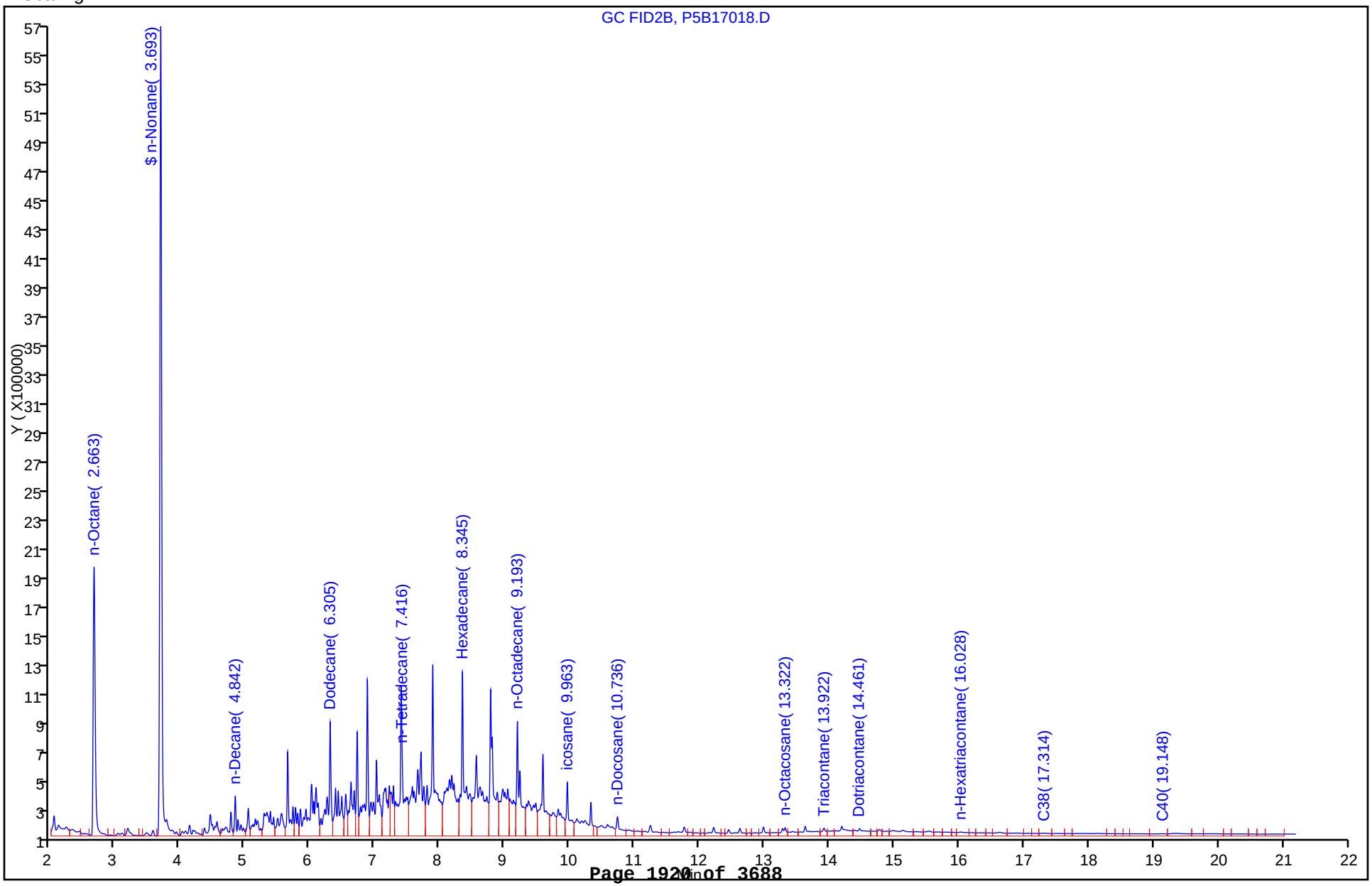
Report Date: 18-Apr-2013 11:07:25 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130417-18962.b\P5B17018.D

Injection Date:	17-Apr-2013 22:27:18	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5R
Lims Batch ID:	82321	Lims Sample ID:	18
Operator ID:	400725	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP5R Start Date: 03/11/2013 16:19

Analysis Batch Number: 77903 End Date: 03/11/2013 18:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-77903/4 IC		03/11/2013 16:19	1	P5B11004.D	
STD2 240-77903/5 IC		03/11/2013 16:50	1	P5B11005.D	
STD3 240-77903/6 IC		03/11/2013 17:20	1	P5B11006.D	
STD4 240-77903/7 IC		03/11/2013 17:51	1	P5B11007.D	
STD5 240-77903/8 IC		03/11/2013 18:22	1	P5B11008.D	
ICV 240-77903/9		03/11/2013 18:53	1		

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP5R Start Date: 04/08/2013 18:23

Analysis Batch Number: 80963 End Date: 04/09/2013 09:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 240-80963/16		04/08/2013 18:23	1	P5B08016.D	
ZZZZZ		04/08/2013 18:54	1		
ZZZZZ		04/08/2013 19:25	1		
ZZZZZ		04/08/2013 19:56	1		
ZZZZZ		04/08/2013 20:27	1		
ZZZZZ		04/08/2013 20:58	1		
ZZZZZ		04/08/2013 22:31	1		
CCV 240-80963/25		04/08/2013 23:02	1	P5B08025.D	
ZZZZZ		04/08/2013 23:33	1		
ZZZZZ		04/09/2013 00:04	1		
ZZZZZ		04/09/2013 00:35	1		
ZZZZZ		04/09/2013 01:06	1		
ZZZZZ		04/09/2013 01:37	1		
ZZZZZ		04/09/2013 02:08	1		
ZZZZZ		04/09/2013 03:40	1		
ZZZZZ		04/09/2013 08:52	1		
CCV 240-80963/36		04/09/2013 09:23	1	P5B08036.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP5R Start Date: 04/10/2013 12:17

Analysis Batch Number: 81310 End Date: 04/11/2013 04:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-81310/4 IC		04/10/2013 12:17	1	P5B10004.D	
STD2 240-81310/5 IC		04/10/2013 12:48	1	P5B10005.D	
ICRT 240-81310/6		04/10/2013 13:19	1	P5B10006.D	
STD4 240-81310/7 IC		04/10/2013 13:49	1	P5B10007.D	
STD5 240-81310/8 IC		04/10/2013 14:20	1	P5B10008.D	
ICV 240-81310/9		04/10/2013 14:51	1	P5B10009.D	
MRL 240-81310/10		04/10/2013 16:13	1	P5B10010.D	
MB 240-80861/11-A		04/10/2013 16:43	1	P5B10011.D	
LCS 240-80861/12-A		04/10/2013 17:14	1	P5B10012.D	
240-22804-11	079RN-0317-0001-RN	04/10/2013 17:45	1	P5B10013.D	
CCV 240-81310/14		04/10/2013 18:15	1	P5B10014.D	
MRL 240-81310/15		04/10/2013 18:46	1	P5B10015.D	
ZZZZZ		04/10/2013 19:16	1		
ZZZZZ		04/10/2013 19:47	1		
CCV 240-81310/26		04/11/2013 00:21	1		
ZZZZZ		04/11/2013 00:52	1		
ZZZZZ		04/11/2013 01:23	1		
ZZZZZ		04/11/2013 01:53	1		
ZZZZZ		04/11/2013 02:24	1		
ZZZZZ		04/11/2013 02:55	1		
ZZZZZ		04/11/2013 03:25	1		
ZZZZZ		04/11/2013 03:56	1		
ZZZZZ		04/11/2013 04:27	1		
CCV 240-81310/35		04/11/2013 04:57	1		

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP5R Start Date: 04/17/2013 15:22

Analysis Batch Number: 82321 End Date: 04/18/2013 07:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-82321/4 CCVRT		04/17/2013 15:22	1	P5B17004.D	
CCV 240-82321/10		04/17/2013 18:24	1	P5B17010.D	
MRL 240-82321/11		04/17/2013 18:55	1	P5B17011.D	
MB 240-82109/20-A		04/17/2013 19:25	1	P5B17012.D	
LCS 240-82109/21-A		04/17/2013 19:55	1	P5B17013.D	
ZZZZZ		04/17/2013 20:25	1		
ZZZZZ		04/17/2013 20:56	1		
240-22804-4	074SB-0010-0001-SO	04/17/2013 21:26	1	P5B17016.D	
240-22804-4 MS	074SB-0010-0001-SO MS	04/17/2013 21:57	1	P5B17017.D	
240-22804-4 MSD	074SB-0010-0001-SO MSD	04/17/2013 22:27	1	P5B17018.D	
240-22804-5	074SB-0012-0001-SO	04/17/2013 22:57	1	P5B17019.D	
240-22804-9	074SB-0026-0001-SO	04/17/2013 23:28	1	P5B17020.D	
240-22804-10	074SB-0027-0001-SO	04/17/2013 23:58	1	P5B17021.D	
CCV 240-82321/22		04/18/2013 00:28	1	P5B17022.D	
CCV 240-82321/33		04/18/2013 06:05	1	P5B17033.D	
CCV 240-82321/35		04/18/2013 07:06	1	P5B17035.D	
MRL 240-82321/36		04/18/2013 07:37	1	P5B17036.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP6F Start Date: 04/17/2013 18:42

Analysis Batch Number: 82405 End Date: 04/18/2013 08:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-82405/5 IC		04/17/2013 18:42	1	P6F17005.D	RTX-5 0.53(mm)
STD2 240-82405/6 IC		04/17/2013 19:13	1	P6F17006.D	RTX-5 0.53(mm)
STD3 240-82405/7 ICRT		04/17/2013 19:44	1	P6F17007.D	RTX-5 0.53(mm)
STD4 240-82405/8 IC		04/17/2013 20:15	1	P6F17008.D	RTX-5 0.53(mm)
STD5 240-82405/9 IC		04/17/2013 20:46	1	P6F17009.D	RTX-5 0.53(mm)
ICV 240-82405/10		04/17/2013 21:17	1	P6F17010.D	RTX-5 0.53(mm)
ZZZZZ		04/17/2013 21:48	1		RTX-5 0.53(mm)
ZZZZZ		04/17/2013 22:19	1		RTX-5 0.53(mm)
ZZZZZ		04/17/2013 22:50	1		RTX-5 0.53(mm)
ZZZZZ		04/17/2013 23:21	1		RTX-5 0.53(mm)
ZZZZZ		04/17/2013 23:52	1		RTX-5 0.53(mm)
ZZZZZ		04/18/2013 00:23	1		RTX-5 0.53(mm)
CCV 240-82405/22		04/18/2013 03:30	1		RTX-5 0.53(mm)
CCV 240-82405/31		04/18/2013 08:08	1		RTX-5 0.53(mm)
ZZZZZ		04/18/2013 08:39	1		RTX-5 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: A2HP6F Start Date: 04/18/2013 17:00

Analysis Batch Number: 82537 End Date: 04/19/2013 10:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-82537/5 CCVRT		04/18/2013 17:00	1	P6F18005.D	RTX-5 0.53(mm)
MRL 240-82537/6		04/18/2013 17:32	1	P6F18006.D	RTX-5 0.53(mm)
ZZZZZ		04/18/2013 18:04	1		RTX-5 0.53(mm)
ZZZZZ		04/18/2013 18:36	1		RTX-5 0.53(mm)
MB 240-82097/23-A		04/18/2013 20:41	1	P6F18012.D	RTX-5 0.53(mm)
LCS 240-82097/24-A		04/18/2013 21:13	1	P6F18013.D	RTX-5 0.53(mm)
ZZZZZ		04/18/2013 21:44	1		RTX-5 0.53(mm)
ZZZZZ		04/18/2013 22:16	1		RTX-5 0.53(mm)
ZZZZZ		04/18/2013 22:47	1		RTX-5 0.53(mm)
CCV 240-82537/17		04/18/2013 23:18	1	P6F18017.D	RTX-5 0.53(mm)
ZZZZZ		04/18/2013 23:49	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 00:21	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 00:52	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 01:23	1		RTX-5 0.53(mm)
240-22804-2	074SB-0013-0001-SO	04/19/2013 01:54	1	P6F18022.D	RTX-5 0.53(mm)
240-22804-3	074SB-0015-0001-SO	04/19/2013 02:25	1	P6F18023.D	RTX-5 0.53(mm)
240-22804-6	074SB-0023-0001-SO	04/19/2013 02:57	1	P6F18024.D	RTX-5 0.53(mm)
240-22804-7	074SB-0024-0001-SO	04/19/2013 03:28	1	P6F18025.D	RTX-5 0.53(mm)
240-22804-8	074SB-0025-0001-SO	04/19/2013 04:00	1	P6F18026.D	RTX-5 0.53(mm)
ZZZZZ		04/19/2013 04:31	1		RTX-5 0.53(mm)
CCV 240-82537/28		04/19/2013 05:03	1	P6F18028.D	RTX-5 0.53(mm)
ZZZZZ		04/19/2013 05:34	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 06:06	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 06:37	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 07:08	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 07:40	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 08:11	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 08:43	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 09:14	1		RTX-5 0.53(mm)
ZZZZZ		04/19/2013 09:46	1		RTX-5 0.53(mm)
CCV 240-82537/38		04/19/2013 10:18	1	P6F18038.D	RTX-5 0.53(mm)
MRL 240-82537/39		04/19/2013 10:49	1	P6F18039.D	RTX-5 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 80861 Batch Start Date: 04/06/13 11:50 Batch Analyst: Coast, Chris

Batch Method: 3520C Batch End Date: 04/07/13 05:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	EXDIESELSPKW 00027	EXTPHSURR 00017
240-22804-F-11	079RN-0317-0001-RN	3520C, 8015B_DRO/DOD	T	1000 mL	5 mL	7	2		1 mL
MB 240-80861/11		3520C, 8015B_DRO/DOD		1000 mL	5 mL	7	2		1 mL
LCS 240-80861/12		3520C, 8015B_DRO/DOD		1000 mL	5 mL	7	2	1 mL	1 mL

Batch Notes	
Acid used for pH adjust Lot #	711898
Na2SO4 Lot Number	857427
Prep Solvent Lot #	921741

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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 82097 Batch Start Date: 04/16/13 13:30 Batch Analyst: Coast, Chris

Batch Method: 3540C Batch End Date: 04/17/13 05:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXDIESELSPKW 00027	EXTPHSURR 00019		
240-22804-B-2	074SB-0013-0001-SO	3540C, 8015B_DRO/DOD	T	30.50 g	5 mL		1 mL		
240-22804-B-3	074SB-0015-0001-SO	3540C, 8015B_DRO/DOD	T	30.16 g	5 mL		1 mL		
240-22804-B-6	074SB-0023-0001-SO	3540C, 8015B_DRO/DOD	T	29.83 g	5 mL		1 mL		
240-22804-B-7	074SB-0024-0001-SO	3540C, 8015B_DRO/DOD	T	30.04 g	5 mL		1 mL		
240-22804-B-8	074SB-0025-0001-SO	3540C, 8015B_DRO/DOD	T	30.07 g	5 mL		1 mL		
MB 240-82097/23		3540C, 8015B_DRO/DOD		30.00 g	5 mL		1 mL		
LCS 240-82097/24		3540C, 8015B_DRO/DOD		30.00 g	5 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	857443
Prep Solvent Lot #	928641

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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Batch Number: 82109 Batch Start Date: 04/16/13 13:30 Batch Analyst: Coast, Chris

Batch Method: 3540C Batch End Date: 04/17/13 05:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXDIESELSPKW 00028	EXTPHSURR 00019		
240-22804-G-4	074SB-0010-0001-SO	3540C, 8015B_DRO/DOD	T	29.89 g	5 mL		1 mL		
240-22804-G-4 MS	074SB-0010-0001-SO	3540C, 8015B_DRO/DOD	T	30.28 g	5 mL	1 mL	1 mL		
240-22804-G-4 MSD	074SB-0010-0001-SO	3540C, 8015B_DRO/DOD	T	29.77 g	5 mL	1 mL	1 mL		
240-22804-B-5	074SB-0012-0001-SO	3540C, 8015B_DRO/DOD	T	29.71 g	5 mL		1 mL		
240-22804-B-9	074SB-0026-0001-SO	3540C, 8015B_DRO/DOD	T	30.35 g	5 mL		1 mL		
240-22804-B-10	074SB-0027-0001-SO	3540C, 8015B_DRO/DOD	T	30.02 g	5 mL		1 mL		
MB 240-82109/20		3540C, 8015B_DRO/DOD		30.00 g	5 mL		1 mL		
LCS 240-82109/21		3540C, 8015B_DRO/DOD		30.00 g	5 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	857443
Prep Solvent Lot #	928641

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.: 240-22804-1

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 #
	MRL 240-82685/6	103	96	124	131 Q
	MRL 240-82685/41	102	95	120	125
	MRL 240-83400/26	123	119	136 Q	135 Q
	MRL 240-83400/52	120	118	130	124
	MRL 240-83482/8	119	116	134 Q	135 Q
	MRL 240-83482/23	116	114	133 Q	136 Q

	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 II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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	#
074SB-0010-0001-SO	240-22804-4	62	Q	61	Q	67		67	
074SB-0010-0001-SO RE	240-22804-4 RE	83		78		80		78	
	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	

	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.: 240-22804-1

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 #
079RN-0317-0001-RN	240-22804-11	87	86	75	80
	MB 240-80943/2-A	73	74	87	90
	LCS 240-80943/3-A	74	73	31	32

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

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.: 240-22804-1

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 240-82129/14	98	92	121	124
	MRL 240-82129/51	107	101	127	130

	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3041624.D

Lab ID: LCS 240-80943/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.522	104	25-150	
4,4'-DDE	0.500	0.471	94	35-140	
4,4'-DDT	0.500	0.567	113	45-140	
Aldrin	0.500	0.422	84	25-140	
alpha-BHC	0.500	0.475	95	60-130	
alpha-Chlordane	0.500	0.470	94	65-125	
beta-BHC	0.500	0.470	94	65-125	
delta-BHC	0.500	0.529	106	45-135	
Dieldrin	0.500	0.491	98	60-130	
Endosulfan I	0.500	0.393	79	50-110	
Endosulfan II	0.500	0.423	85	30-130	
Endosulfan sulfate	0.500	0.483	97	55-135	
Endrin	0.500	0.506	101	55-135	
Endrin aldehyde	0.500	0.435	87	55-135	
Endrin ketone	0.500	0.475	95	75-125	
gamma-BHC (Lindane)	0.500	0.488	98	25-135	
gamma-Chlordane	0.500	0.496	99	60-125	
Heptachlor	0.500	0.498	100	40-130	
Heptachlor epoxide	0.500	0.487	97	60-130	
Methoxychlor	0.500	0.550	110	55-150	

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3041614.D

Lab ID: MRL 240-82129/14 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00555	111	70-130	
4,4'-DDD	0.00500	0.00560	112	70-130	
4,4'-DDE	0.00500	0.00497 J	99	70-130	
4,4'-DDE	0.00500	0.00490 J	98	70-130	
4,4'-DDT	0.00500	0.00522	104	70-130	
4,4'-DDT	0.00500	0.00509	102	70-130	
Aldrin	0.00500	0.00497 J	99	70-130	
Aldrin	0.00500	0.00515	103	70-130	
alpha-BHC	0.00500	0.00486 J	97	70-130	
alpha-BHC	0.00500	0.00504	101	70-130	
alpha-Chlordane	0.00500	0.00540	108	70-130	
alpha-Chlordane	0.00500	0.00547	109	70-130	
beta-BHC	0.00500	0.00568	114	70-130	
beta-BHC	0.00500	0.00631	126	70-130	
delta-BHC	0.00500	0.00497 J	99	70-130	
delta-BHC	0.00500	0.00537	107	70-130	
Dieldrin	0.00500	0.00525	105	70-130	
Dieldrin	0.00500	0.00524	105	70-130	
Endosulfan I	0.00500	0.00555	111	70-130	
Endosulfan I	0.00500	0.00571	114	70-130	
Endosulfan II	0.00500	0.00556	111	70-130	
Endosulfan II	0.00500	0.00598	120	70-130	
Endosulfan sulfate	0.00500	0.00566	113	70-130	
Endosulfan sulfate	0.00500	0.00597	119	70-130	
Endrin	0.00500	0.00556	111	70-130	
Endrin	0.00500	0.00567	113	70-130	
Endrin aldehyde	0.00500	0.00570	114	70-130	
Endrin aldehyde	0.00500	0.00617	123	70-130	
Endrin ketone	0.00500	0.00559	112	70-130	
Endrin ketone	0.00500	0.00589	118	70-130	
gamma-BHC (Lindane)	0.00500	0.00498 J	100	70-130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-Chlordane	0.00500	0.00522	104	70-130	
gamma-Chlordane	0.00500	0.00552	110	70-130	
Heptachlor	0.00500	0.00578	116	70-130	
Heptachlor	0.00500	0.00582	116	70-130	
Heptachlor epoxide	0.00500	0.00544	109	70-130	
Heptachlor epoxide	0.00500	0.00567	113	70-130	
Methoxychlor	0.00500	0.00682 J	136	70-130	^
Methoxychlor	0.00500	0.00641 J	128	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.: 240-22804-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3041651.D

Lab ID: MRL 240-82129/51 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00584	117	70-130	
4,4'-DDD	0.00500	0.00558	112	70-130	
4,4'-DDE	0.00500	0.00536	107	70-130	
4,4'-DDE	0.00500	0.00536	107	70-130	
4,4'-DDT	0.00500	0.00570	114	70-130	
4,4'-DDT	0.00500	0.00576	115	70-130	
Aldrin	0.00500	0.00542	108	70-130	
Aldrin	0.00500	0.00566	113	70-130	
alpha-BHC	0.00500	0.00535	107	70-130	
alpha-BHC	0.00500	0.00559	112	70-130	
alpha-Chlordane	0.00500	0.00590	118	70-130	
alpha-Chlordane	0.00500	0.00604	121	70-130	
beta-BHC	0.00500	0.00610	122	70-130	
beta-BHC	0.00500	0.00683	137	70-130	^
delta-BHC	0.00500	0.00537	107	70-130	
delta-BHC	0.00500	0.00575	115	70-130	
Dieldrin	0.00500	0.00566	113	70-130	
Dieldrin	0.00500	0.00574	115	70-130	
Endosulfan I	0.00500	0.00602	120	70-130	
Endosulfan I	0.00500	0.00628	126	70-130	
Endosulfan II	0.00500	0.00588	118	70-130	
Endosulfan II	0.00500	0.00682	136	70-130	^
Endosulfan sulfate	0.00500	0.00600	120	70-130	
Endosulfan sulfate	0.00500	0.00651	130	70-130	
Endrin	0.00500	0.00589	118	70-130	
Endrin	0.00500	0.00623	125	70-130	
Endrin aldehyde	0.00500	0.00620	124	70-130	
Endrin aldehyde	0.00500	0.00675	135	70-130	^
Endrin ketone	0.00500	0.00608	122	70-130	
Endrin ketone	0.00500	0.00656	131	70-130	^
gamma-BHC (Lindane)	0.00500	0.00554	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00594	119	70-130	
gamma-Chlordane	0.00500	0.00576	115	70-130	
gamma-Chlordane	0.00500	0.00608	122	70-130	
Heptachlor	0.00500	0.00631	126	70-130	
Heptachlor	0.00500	0.00634	127	70-130	
Heptachlor epoxide	0.00500	0.00591	118	70-130	
Heptachlor epoxide	0.00500	0.00624	125	70-130	
Methoxychlor	0.00500	0.00722 J	144	70-130	^
Methoxychlor	0.00500	0.00710 J	142	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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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.: 240-22804-1

SDG No.:

Matrix: Solid 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 METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3042508.D

Lab ID: MRL 240-83482/8 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00571	114	70-130	
4,4'-DDD	0.00500	0.00586	117	70-130	
4,4'-DDE	0.00500	0.00589	118	70-130	
4,4'-DDE	0.00500	0.00575	115	70-130	
4,4'-DDT	0.00500	0.00545	109	70-130	
4,4'-DDT	0.00500	0.00566	113	70-130	
Aldrin	0.00500	0.00586	117	70-130	
Aldrin	0.00500	0.00584	117	70-130	
alpha-BHC	0.00500	0.00522	104	70-130	
alpha-BHC	0.00500	0.00507	101	70-130	
alpha-Chlordane	0.00500	0.00587	117	70-130	
alpha-Chlordane	0.00500	0.00577	115	70-130	
beta-BHC	0.00500	0.00595	119	70-130	
beta-BHC	0.00500	0.00601	120	70-130	
delta-BHC	0.00500	0.00512	102	70-130	
delta-BHC	0.00500	0.00513	103	70-130	
Dieldrin	0.00500	0.00594	119	70-130	
Dieldrin	0.00500	0.00553	111	70-130	
Endosulfan I	0.00500	0.00578	116	70-130	
Endosulfan I	0.00500	0.00567	113	70-130	
Endosulfan II	0.00500	0.00603	121	70-130	
Endosulfan II	0.00500	0.00614	123	70-130	
Endosulfan sulfate	0.00500	0.00624	125	70-130	
Endosulfan sulfate	0.00500	0.00636	127	70-130	
Endrin	0.00500	0.00569	114	70-130	
Endrin	0.00500	0.00552	110	70-130	
Endrin aldehyde	0.00500	0.00615	123	70-130	
Endrin aldehyde	0.00500	0.00591	118	70-130	
Endrin ketone	0.00500	0.00605	121	70-130	
Endrin ketone	0.00500	0.00622	124	70-130	
gamma-BHC (Lindane)	0.00500	0.00523	105	70-130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70-130	
gamma-Chlordane	0.00500	0.00572	114	70-130	
gamma-Chlordane	0.00500	0.00577	115	70-130	
Heptachlor	0.00500	0.00546	109	70-130	
Heptachlor	0.00500	0.00551	110	70-130	
Heptachlor epoxide	0.00500	0.00569	114	70-130	
Heptachlor epoxide	0.00500	0.00568	114	70-130	
Methoxychlor	0.00500	0.00633 J	127	70-130	
Methoxychlor	0.00500	0.00635 J	127	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.: 240-22804-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3042523.D

Lab ID: MRL 240-83482/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00639	128	70-130	
4,4'-DDD	0.00500	0.00683	137	70-130	^
4,4'-DDE	0.00500	0.00599	120	70-130	
4,4'-DDE	0.00500	0.00583	117	70-130	
4,4'-DDT	0.00500	0.00457 J	91	70-130	
4,4'-DDT	0.00500	0.00476 J	95	70-130	
Aldrin	0.00500	0.00593	119	70-130	
Aldrin	0.00500	0.00586	117	70-130	
alpha-BHC	0.00500	0.00541	108	70-130	
alpha-BHC	0.00500	0.00527	105	70-130	
alpha-Chlordane	0.00500	0.00617	123	70-130	
alpha-Chlordane	0.00500	0.00608	122	70-130	
beta-BHC	0.00500	0.00612	122	70-130	
beta-BHC	0.00500	0.00623	125	70-130	
delta-BHC	0.00500	0.00543	109	70-130	
delta-BHC	0.00500	0.00543	109	70-130	
Dieldrin	0.00500	0.00587	117	70-130	M
Dieldrin	0.00500	0.00584	117	70-130	
Endosulfan I	0.00500	0.00622	124	70-130	
Endosulfan I	0.00500	0.00608	122	70-130	
Endosulfan II	0.00500	0.00613	123	70-130	
Endosulfan II	0.00500	0.00646	129	70-130	
Endosulfan sulfate	0.00500	0.00645	129	70-130	
Endosulfan sulfate	0.00500	0.00662	132	70-130	^
Endrin	0.00500	0.00559	112	70-130	
Endrin	0.00500	0.00554	111	70-130	
Endrin aldehyde	0.00500	0.00622	124	70-130	
Endrin aldehyde	0.00500	0.00623	125	70-130	
Endrin ketone	0.00500	0.00635	127	70-130	
Endrin ketone	0.00500	0.00643	129	70-130	
gamma-BHC (Lindane)	0.00500	0.00541	108	70-130	
gamma-BHC (Lindane)	0.00500	0.00543	109	70-130	
gamma-Chlordane	0.00500	0.00608	122	70-130	
gamma-Chlordane	0.00500	0.00611	122	70-130	
Heptachlor	0.00500	0.00546	109	70-130	
Heptachlor	0.00500	0.00566	113	70-130	
Heptachlor epoxide	0.00500	0.00608	122	70-130	
Heptachlor epoxide	0.00500	0.00606	121	70-130	
Methoxychlor	0.00500	0.00639 J	128	70-130	
Methoxychlor	0.00500	0.00656 J	131	70-130	^

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.: 240-22804-1

SDG No.:

Lab Sample ID: MB 240-80943/2-A

Matrix: Water Date Extracted: 04/08/2013 09:24

Lab File ID:(1) P3041623.D Lab File ID:(2) P3041623.D

Date Analyzed:(1) 04/16/2013 19:40 Date Analyzed:(2) 04/16/2013 19:40

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
079RN-0317-0001-RN	240-22804-11	04/16/2013 19:20	04/16/2013 19:20
	LCS 240-80943/3-A	04/16/2013 20:00	04/16/2013 20:00

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
074SB-0010-0001-SO	240-22804-4	04/20/2013 23:25	04/20/2013 23:25

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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
	LCS 240-83135/19-A	04/24/2013 22:14	04/24/2013 22:14
074SB-0010-0001-SO RE	240-22804-4 RE	04/25/2013 10:57	04/25/2013 10:57

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCV 240-82129/13 Date Analyzed: 04/16/2013 16:19

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3041613.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				3.50	12.83	
UPPER LIMIT				3.53	12.86	
LOWER LIMIT				3.47	12.80	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82129/13 CCVRT		04/16/2013 16:19	P3041613.D	3.50	12.83	
240-22804-11	079RN-0317-0001-RN	04/16/2013 19:20	P3041622.D	3.50	12.83	
MB 240-80943/2-A		04/16/2013 19:40	P3041623.D	3.50	12.83	
LCS 240-80943/3-A		04/16/2013 20:00	P3041624.D	3.49	12.83	
CCV 240-82129/26		04/16/2013 20:41	P3041626.D	3.50	12.83	

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.: 240-22804-1

SDG No.:

Sample No.: CCV 240-82129/13 Date Analyzed: 04/16/2013 16:19

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3041613.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	14.26	
UPPER LIMIT				4.12	14.29	
LOWER LIMIT				4.06	14.23	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82129/13 CCVRT		04/16/2013 16:19	P3041613.D	4.09	14.26	
240-22804-11	079RN-0317-0001-RN	04/16/2013 19:20	P3041622.D	4.09	14.26	
MB 240-80943/2-A		04/16/2013 19:40	P3041623.D	4.09	14.26	
LCS 240-80943/3-A		04/16/2013 20:00	P3041624.D	4.09	14.26	
CCV 240-82129/26		04/16/2013 20:41	P3041626.D	4.09	14.26	

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.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

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		
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.: 240-22804-1

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		
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 VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCV 240-83482/7 Date Analyzed: 04/25/2013 09:57

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3042507.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	12.79	
UPPER LIMIT				3.50	12.82	
LOWER LIMIT				3.44	12.76	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83482/7 CCVRT		04/25/2013 09:57	P3042507.D	3.47	12.79	
240-22804-4 RE	074SB-0010-0001-SO RE	04/25/2013 10:57	P3042510.D	3.47	12.78	

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.: 240-22804-1

SDG No.:

Sample No.: CCV 240-83482/7 Date Analyzed: 04/25/2013 09:57

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3042507.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				4.07	14.22	
UPPER LIMIT				4.10	14.25	
LOWER LIMIT				4.04	14.19	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83482/7 CCVRT		04/25/2013 09:57	P3042507.D	4.07	14.22	
240-22804-4 RE	074SB-0010-0001-SO RE	04/25/2013 10:57	P3042510.D	4.07	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 VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Sample No.: CCV 240-83482/12 Date Analyzed: 04/25/2013 11:38

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3042512.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	12.79	
UPPER LIMIT				3.50	12.82	
LOWER LIMIT				3.44	12.76	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83482/12 CCVRT		04/25/2013 11:38	P3042512.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.: 240-22804-1

SDG No.:

Sample No.: CCV 240-83482/12 Date Analyzed: 04/25/2013 11:38

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3042512.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				4.07	14.22	
UPPER LIMIT				4.10	14.25	
LOWER LIMIT				4.04	14.19	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83482/12 CCVRT		04/25/2013 11:38	P3042512.D	4.07	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.: 240-22804-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80943/3-A

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/16/2013 20:00 Date Analyzed (2): 04/16/2013 20:00

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		4.19	4.15	4.21	0.475		15.7
	2		4.95	4.92	4.98	0.557		
gamma-BHC (Lindane)	1		4.57	4.53	4.59	0.488		16.2
	2		5.53	5.50	5.56	0.575		
beta-BHC	1		4.70	4.67	4.73	0.470		19.1
	2		5.72	5.69	5.75	0.569		
delta-BHC	1		4.91	4.88	4.94	0.529		9.6
	2		6.30	6.27	6.33	0.583		
Heptachlor	1		5.20	5.16	5.22	0.498		0.9
	2		6.36	6.33	6.39	0.503		
Aldrin	1		5.64	5.61	5.67	0.422		17.7
	2		7.11	7.08	7.14	0.504		
Heptachlor epoxide	1		6.87	6.84	6.90	0.487		12.1
	2		8.61	8.58	8.64	0.550		
gamma-Chlordane	1		7.17	7.14	7.20	0.496		10.5
	2		9.01	8.98	9.04	0.550		
alpha-Chlordane	1		7.52	7.49	7.55	0.470		11.0
	2		9.32	9.29	9.35	0.524		
Endosulfan I	1		7.80	7.76	7.82	0.393		14.6
	2		9.39	9.36	9.42	0.455		
4,4'-DDE	1		7.90	7.86	7.92	0.471		10.0
	2		9.77	9.74	9.80	0.521		
Dieldrin	1		8.36	8.33	8.39	0.491		10.7
	2		9.91	9.88	9.94	0.546		
Endrin	1		8.82	8.79	8.85	0.506		12.1
	2		10.44	10.41	10.47	0.570		
4,4'-DDD	1		9.19	9.15	9.21	0.522		14.6
	2		10.77	10.74	10.80	0.604		
Endosulfan II	1		9.27	9.24	9.30	0.423		11.2
	2		10.81	10.78	10.84	0.473		
4,4'-DDT	1		9.71	9.68	9.74	0.567		0.0
	2		11.26	11.23	11.29	0.567		
Endrin aldehyde	1		10.08	10.04	10.10	0.435		12.0
	2		11.37	11.34	11.40	0.490		
Methoxychlor	1		10.67	10.64	10.70	0.550		2.9
	2		12.34	12.31	12.37	0.566		
Endosulfan sulfate	1		10.81	10.78	10.84	0.483		12.7
	2		11.79	11.76	11.82	0.548		
Endrin ketone	1		11.21	11.18	11.24	0.475		8.0
	2		12.54	12.51	12.57	0.515		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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.: 240-22804-1

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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO | Lab Sample ID: 240-22804-4

Matrix: Solid | Lab File ID: P3042032.D

Analysis Method: 8081/DOD | Date Collected: 04/03/2013 11:40

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.01(g) | Date Analyzed: 04/20/2013 23:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: 15.2 | 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*	*0.79*	*U*	*2.4*	0.79	*0.73*
72-55-9	*4,4'-DDE*	*0.79*	*U*	*2.0*	0.79	*0.46*
50-29-3	*4,4'-DDT*	*0.79*	*U*	*2.4*	0.79	*0.74*
309-00-2	*Aldrin*	*1.6*	*U*	*4.7*	1.6	*1.4*
319-84-6	*alpha-BHC*	*1.6*	*U*	*2.9*	1.6	*0.86*
5103-71-9	*alpha-Chlordane*	*1.6*	*U*	*3.5*	1.6	*1.1*
319-85-7	*beta-BHC*	*1.6*	*U*	*4.1*	1.6	*1.3*
319-86-8	*delta-BHC*	*1.6*	*U*	*4.7*	1.6	*1.4*
60-57-1	*Dieldrin*	*0.79*	*U*	*2.0*	0.79	*0.55*
959-98-8	*Endosulfan I*	*0.79*	*U*	*2.0*	0.79	*0.61*
33213-65-9	*Endosulfan II*	*1.6*	*U*	*2.9*	1.6	*0.97*
1031-07-8	*Endosulfan sulfate*	*1.6*	*U*	*3.5*	1.6	*1.0*
72-20-8	*Endrin*	*0.79*	*U*	*2.0*	0.79	*0.59*
7421-93-4	*Endrin aldehyde*	*1.6*	*U*	*3.5*	1.6	*1.2*
53494-70-5	*Endrin ketone*	*0.79*	*U*	*2.4*	0.79	*0.74*
58-89-9	*gamma-BHC (Lindane)*	*1.6*	*U*	*2.9*	1.6	*0.87*
5103-74-2	*gamma-Chlordane*	*0.79*	*U*	*2.0*	0.79	*0.49*
76-44-8	*Heptachlor*	*1.6*	*U*	*4.1*	1.6	*1.3*
1024-57-3	*Heptachlor epoxide*	*1.6*	*U*	*2.9*	1.6	*0.94*
72-43-5	*Methoxychlor*	*3.9*	*U*	*5.9*	3.9	*1.8*
8001-35-2	*Toxaphene*	*24*	*U*	*79*	24	*22*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67		55-130
877-09-8	Tetrachloro-m-xylene	62	*Q*	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042032.D
Lims ID: 240-22804-G-4-A
Client ID: 074SB-0010-0001-SO
Inject. Date: 20-Apr-2013 23:25:46
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019105-032
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 32
Lims Batch ID: 82857
Lims Sample ID: 32
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

First Level Reviewer: shockr
Date: 22-Apr-2013 10:25:45

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	13659671	0.0124			
2	100	4.069	4.069	0.000	7418510	0.0123			
						RPD = 1.08			
5 alpha-BHC									
1	100		4.164						
2	100		4.923						
20 gamma-BHC (Lindane)									
1	100		4.540						
2	100		5.505						
7 beta-BHC									
1	100		4.674						
2	100		5.690						
11 delta-BHC									
1	100		4.887						
2	100		6.273						
22 Heptachlor									
1	100		5.168						
2	100		6.335						
4 Aldrin									
1	100		5.618						
2	100		7.081						
23 Heptachlor epoxide									
1	100		6.835						
2	100		8.581						
21 gamma-Chlordane									1
1	100		7.137						
2	100		8.985						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.484						
2	100		9.295						
14 Endosulfan I									1
1	100		7.760						
2	100		9.362						
2 4,4'-DDE									
1	100		7.860						
2	100		9.741						
13 Dieldrin									1
1	100		8.327						
2	100		9.889						
17 Endrin									
1	100		8.782						
2	100		10.411						
1 4,4'-DDD									
1	100		9.151						
2	100		10.752						
15 Endosulfan II									
1	100		9.238						
2	100		10.783						
3 4,4'-DDT									
1	100		9.676						
2	100		11.234						
18 Endrin aldehyde									
1	100		10.043						
2	100		11.351						
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		10.639						
2	100		12.319						
16 Endosulfan sulfate									
1	100		10.771						
2	100		11.769						
19 Endrin ketone									
1	100		11.173						
2	100		12.521						
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	12832955	0.0134			
2	100	14.242	14.242	0.000	6444441	0.0134			

RPD = 0.31

QC Flag Legend

Processing Flags
1 - Missing Peaks

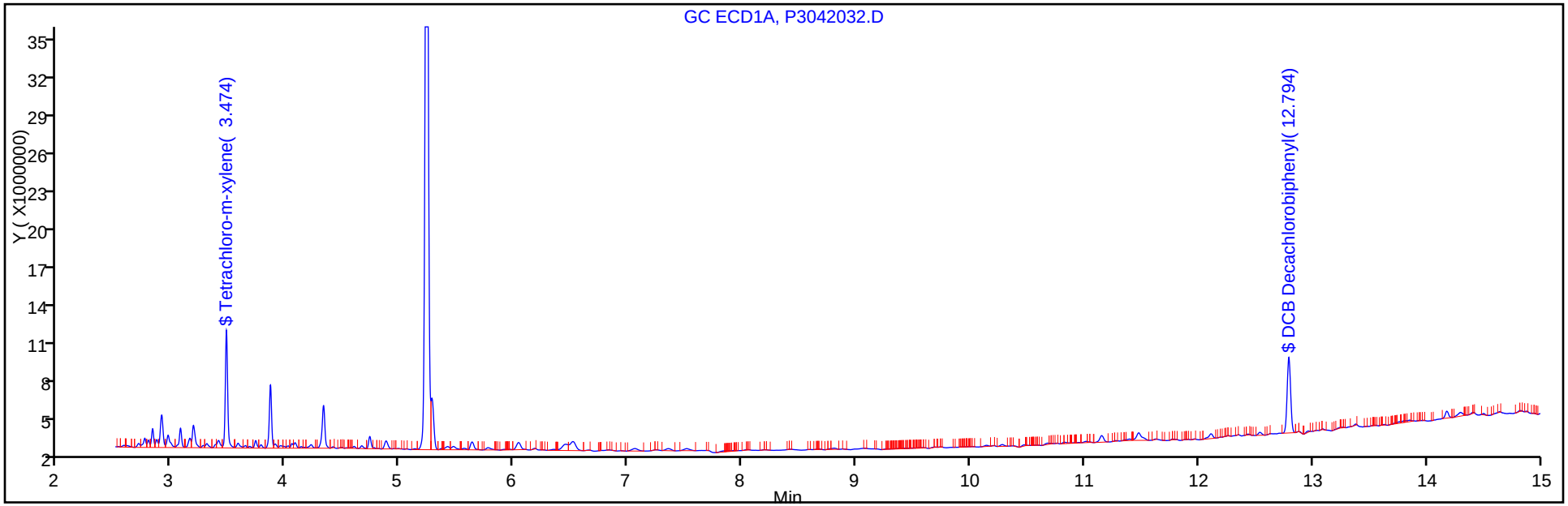
Report Date: 22-Apr-2013 10:31:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

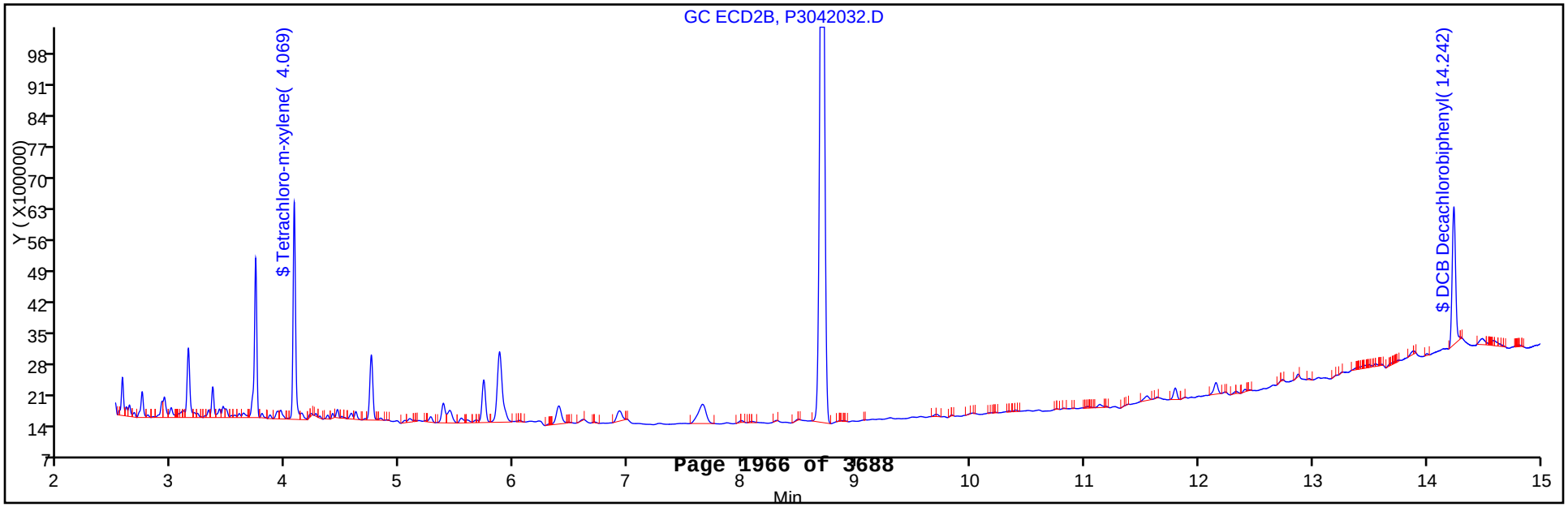
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042032.D

Injection Date:	20-Apr-2013 23:25:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO Lab Sample ID: 240-22804-4

Matrix: Solid Lab File ID: P3042032.D

Analysis Method: 8081/DOD Date Collected: 04/03/2013 11:40

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.01(g) Date Analyzed: 04/20/2013 23:25

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 15.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67		55-130
877-09-8	Tetrachloro-m-xylene	61	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042032.D
Lims ID: 240-22804-G-4-A
Client ID: 074SB-0010-0001-SO
Inject. Date: 20-Apr-2013 23:25:46
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019105-032
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 32
Lims Batch ID: 82857
Lims Sample ID: 32
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

First Level Reviewer: shockr
Date: 22-Apr-2013 10:25:45

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	13659671	0.0124			
2	100	4.069	4.069	0.000	7418510	0.0123			
						RPD = 1.08			
5 alpha-BHC									
1	100		4.164						
2	100		4.923						
20 gamma-BHC (Lindane)									
1	100		4.540						
2	100		5.505						
7 beta-BHC									
1	100		4.674						
2	100		5.690						
11 delta-BHC									
1	100		4.887						
2	100		6.273						
22 Heptachlor									
1	100		5.168						
2	100		6.335						
4 Aldrin									
1	100		5.618						
2	100		7.081						
23 Heptachlor epoxide									
1	100		6.835						
2	100		8.581						
21 gamma-Chlordane									1
1	100		7.137						
2	100		8.985						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.484						
2	100		9.295						
14 Endosulfan I									1
1	100		7.760						
2	100		9.362						
2 4,4'-DDE									
1	100		7.860						
2	100		9.741						
13 Dieldrin									1
1	100		8.327						
2	100		9.889						
17 Endrin									
1	100		8.782						
2	100		10.411						
1 4,4'-DDD									
1	100		9.151						
2	100		10.752						
15 Endosulfan II									
1	100		9.238						
2	100		10.783						
3 4,4'-DDT									
1	100		9.676						
2	100		11.234						
18 Endrin aldehyde									
1	100		10.043						
2	100		11.351						
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		10.639						
2	100		12.319						
16 Endosulfan sulfate									
1	100		10.771						
2	100		11.769						
19 Endrin ketone									
1	100		11.173						
2	100		12.521						
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	12832955		0.0134		
2	100	14.242	14.242	0.000	6444441		0.0134		

RPD = 0.31

QC Flag Legend

Processing Flags
1 - Missing Peaks

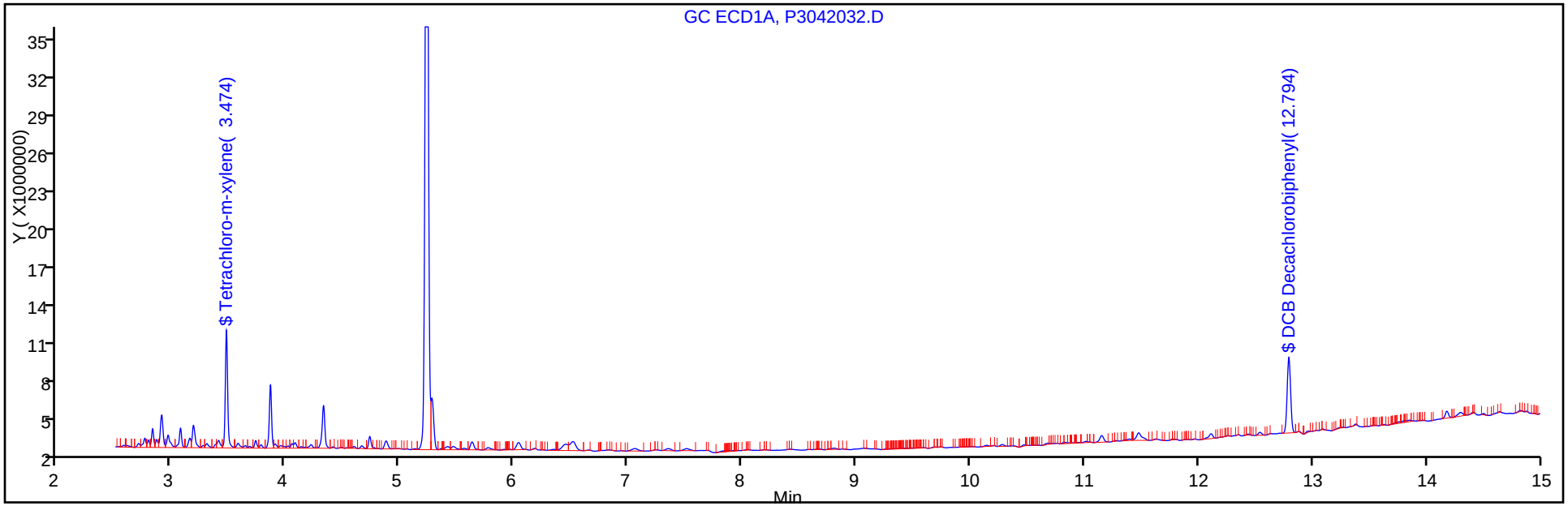
Report Date: 22-Apr-2013 10:31:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

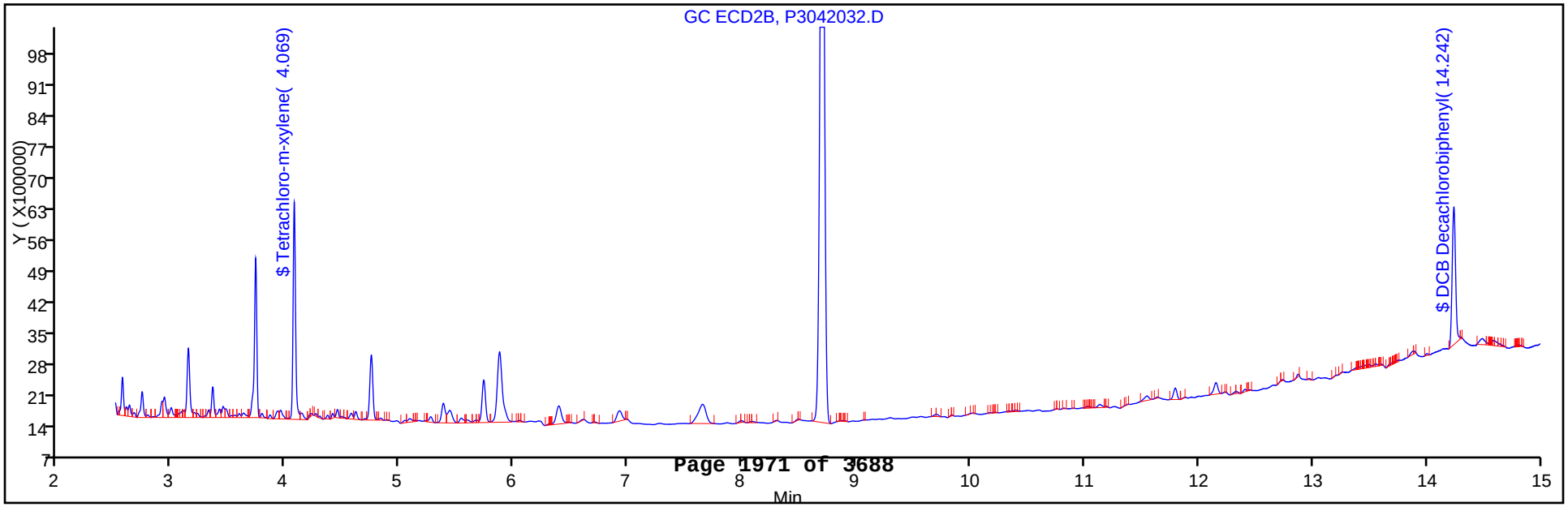
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042032.D

Injection Date:	20-Apr-2013 23:25:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	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.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO RE | Lab Sample ID: 240-22804-4 RE

Matrix: Solid | Lab File ID: P3042510.D

Analysis Method: 8081/DOD | Date Collected: 04/03/2013 11:40

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.28(g) | Date Analyzed: 04/25/2013 10:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: 15.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83482 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.78	U H	2.3	0.78	0.72
72-55-9	4,4'-DDE	0.78	U H	2.0	0.78	0.46
50-29-3	4,4'-DDT	0.78	U H	2.3	0.78	0.74
309-00-2	Aldrin	1.6	U H	4.7	1.6	1.4
319-84-6	alpha-BHC	1.6	U H	2.9	1.6	0.85
5103-71-9	alpha-Chlordane	1.6	U H	3.5	1.6	1.1
319-85-7	beta-BHC	1.6	U H	4.1	1.6	1.3
319-86-8	delta-BHC	1.6	U H	4.7	1.6	1.4
60-57-1	Dieldrin	0.78	U H	2.0	0.78	0.55
959-98-8	Endosulfan I	0.78	U H	2.0	0.78	0.61
33213-65-9	Endosulfan II	1.6	U H	2.9	1.6	0.96
1031-07-8	Endosulfan sulfate	1.6	U H	3.5	1.6	1.0
72-20-8	Endrin	0.78	U H	2.0	0.78	0.58
7421-93-4	Endrin aldehyde	1.6	U H	3.5	1.6	1.2
53494-70-5	Endrin ketone	0.78	U H	2.3	0.78	0.74
58-89-9	gamma-BHC (Lindane)	1.6	U H	2.9	1.6	0.86
5103-74-2	gamma-Chlordane	0.78	U H	2.0	0.78	0.49
76-44-8	Heptachlor	1.6	U H	4.1	1.6	1.3
1024-57-3	Heptachlor epoxide	1.6	U H	2.9	1.6	0.93
72-43-5	Methoxychlor	3.9	U H	5.8	3.9	1.8
8001-35-2	Toxaphene	23	U H	78	23	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		55-130
877-09-8	Tetrachloro-m-xylene	83		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042510.D		
Lims ID:	240-22804-G-4-H	Client ID:	074SB-0010-0001-SO
Inject. Date:	25-Apr-2013 10:57:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019246-010		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	83482	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m		
Last Update:	25-Apr-2013 15:40:01	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 11:37:51

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	3.472	0.001	14678182	0.0166			
2	100	4.067	4.066	0.001	7460457	0.0155			
						RPD = 6.82			
5 alpha-BHC									
1	100		4.160						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.496						
7 beta-BHC									
1	100		4.670						
2	100		5.681						
11 delta-BHC									
1	100		4.883						
2	100		6.262						
22 Heptachlor									
1	100		5.163						
2	100		6.325						
4 Aldrin									
1	100		5.611						
2	100		7.068						
23 Heptachlor epoxide									
1	100		6.823						
2	100		8.568						
21 gamma-Chlordane									
1	100		7.123						
2	100		8.973						

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		9.282						
14 Endosulfan I									1
1	100		7.747						
2	100		9.349						
2 4,4'-DDE									
1	100		7.850						
2	100		9.729						
13 Dieldrin									1
1	100		8.312						
2	100		9.875						
17 Endrin									
1	100		8.771						
2	100		10.398						
1 4,4'-DDD									
1	100		9.139						
2	100		10.737						
15 Endosulfan II									1
1	100		9.223						
2	100		10.768						
3 4,4'-DDT									
1	100		9.665						
2	100		11.218						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.335						
30 Toxaphene									1
1	1		10.220						
1	2		10.564						
1	3		10.718						
1	4		11.135						
1	5		11.407						
2	100		10.324						
2	2		10.917						
2	3		11.339						
2	4		12.081						
2	5		12.641						
27 Methoxychlor									
1	100		10.631						
2	100		12.300						
16 Endosulfan sulfate									
1	100		10.762						
2	100		11.752						
19 Endrin ketone									1
1	100		11.164						
2	100		12.502						
$ 10 DCB Decachlorobiphenyl									
1	100	12.784	12.785	-0.001	13191546	0.0159			
2	100	14.217	14.217	0.000	6736582	0.0156			

RPD = 2.23

QC Flag Legend

Processing Flags
1 - Missing Peaks

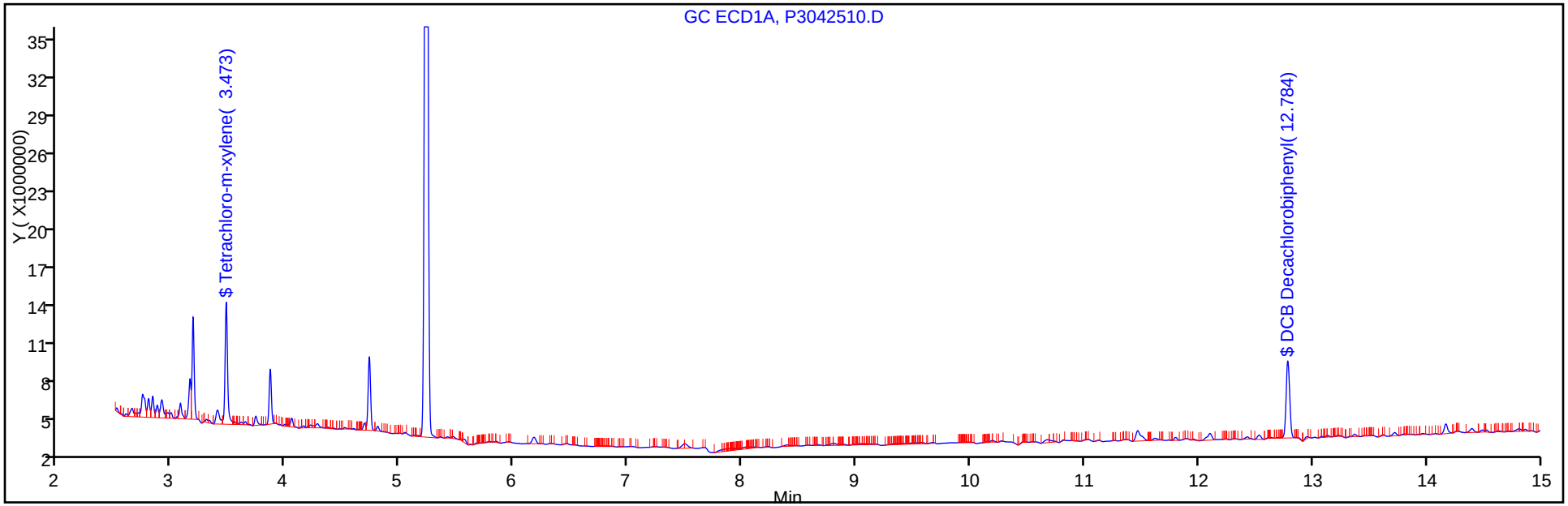
Report Date: 25-Apr-2013 15:40:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

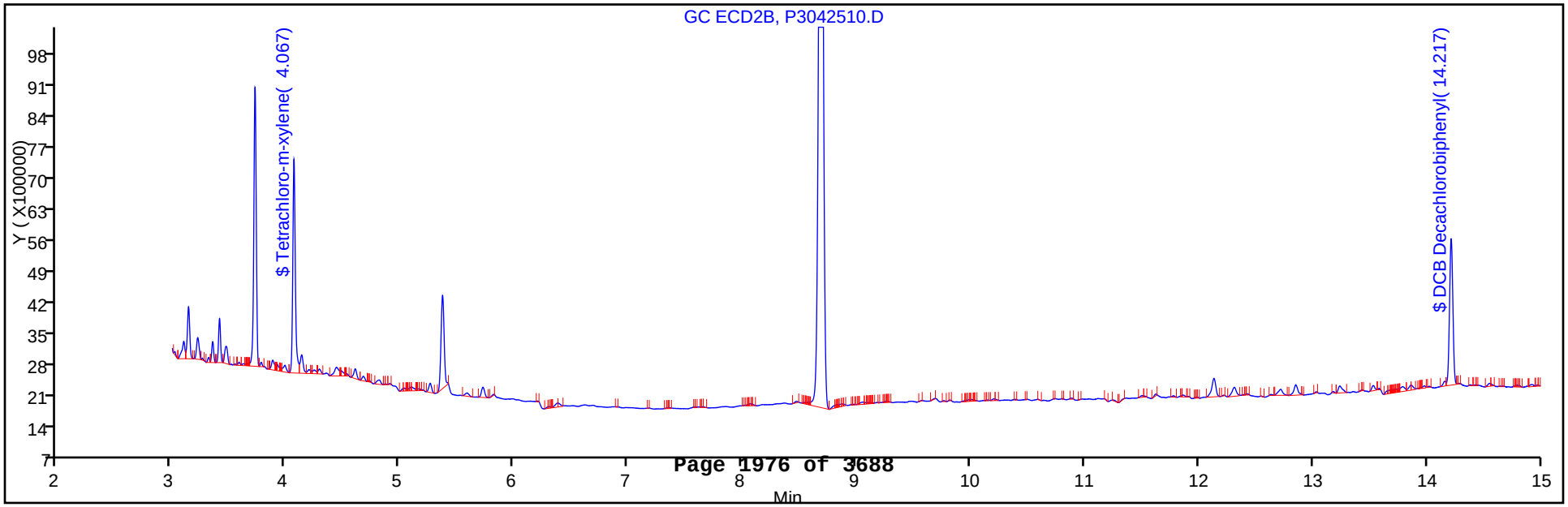
Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042510.D

Injection Date:	25-Apr-2013 10:57:48	Limit Group:	GC 8081 D0D ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83482	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



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 074SB-0010-0001-SO RE Lab Sample ID: 240-22804-4 RE

Matrix: Solid Lab File ID: P3042510.D

Analysis Method: 8081/DOD Date Collected: 04/03/2013 11:40

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.28(g) Date Analyzed: 04/25/2013 10:57

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 15.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 83482 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		55-130
877-09-8	Tetrachloro-m-xylene	78		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042510.D		
Lims ID:	240-22804-G-4-H	Client ID:	074SB-0010-0001-SO
Inject. Date:	25-Apr-2013 10:57:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019246-010		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	83482	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m		
Last Update:	25-Apr-2013 15:40:01	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 11:37:51

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	3.472	0.001	14678182	0.0166			
2	100	4.067	4.066	0.001	7460457	0.0155			
						RPD = 6.82			
5 alpha-BHC									
1	100		4.160						
2	100		4.917						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.496						
7 beta-BHC									
1	100		4.670						
2	100		5.681						
11 delta-BHC									
1	100		4.883						
2	100		6.262						
22 Heptachlor									
1	100		5.163						
2	100		6.325						
4 Aldrin									
1	100		5.611						
2	100		7.068						
23 Heptachlor epoxide									
1	100		6.823						
2	100		8.568						
21 gamma-Chlordane									
1	100		7.123						
2	100		8.973						

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		9.282						
14 Endosulfan I									1
1	100		7.747						
2	100		9.349						
2 4,4'-DDE									
1	100		7.850						
2	100		9.729						
13 Dieldrin									1
1	100		8.312						
2	100		9.875						
17 Endrin									
1	100		8.771						
2	100		10.398						
1 4,4'-DDD									
1	100		9.139						
2	100		10.737						
15 Endosulfan II									1
1	100		9.223						
2	100		10.768						
3 4,4'-DDT									
1	100		9.665						
2	100		11.218						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.335						
30 Toxaphene									1
1	1		10.220						
1	2		10.564						
1	3		10.718						
1	4		11.135						
1	5		11.407						
2	100		10.324						
2	2		10.917						
2	3		11.339						
2	4		12.081						
2	5		12.641						
27 Methoxychlor									
1	100		10.631						
2	100		12.300						
16 Endosulfan sulfate									
1	100		10.762						
2	100		11.752						
19 Endrin ketone									1
1	100		11.164						
2	100		12.502						
$ 10 DCB Decachlorobiphenyl									
1	100	12.784	12.785	-0.001	13191546	0.0159			
2	100	14.217	14.217	0.000	6736582	0.0156			

RPD = 2.23

QC Flag Legend

Processing Flags
1 - Missing Peaks

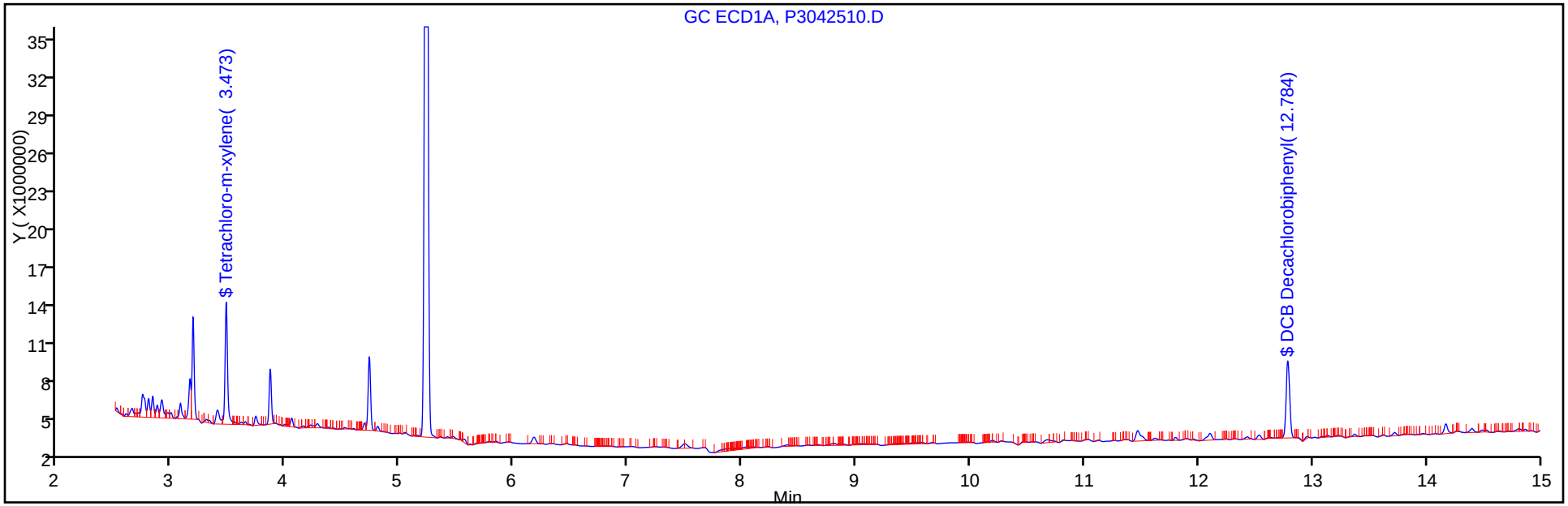
Report Date: 25-Apr-2013 15:40:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

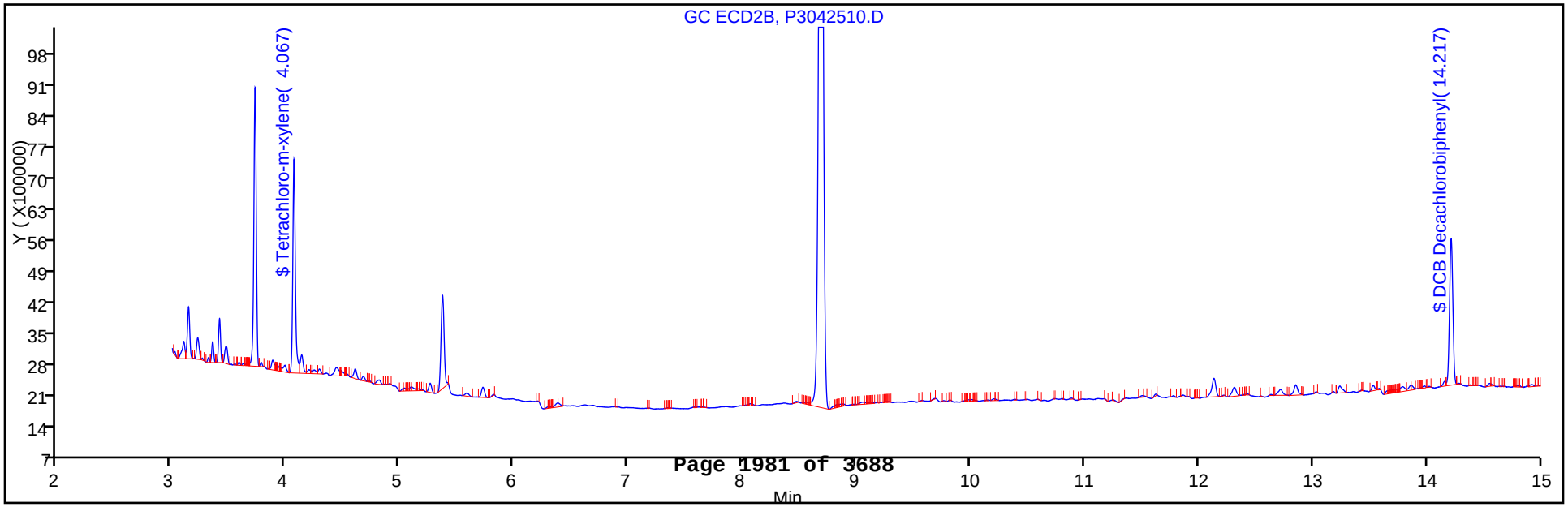
Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042510.D

Injection Date:	25-Apr-2013 10:57:48	Limit Group:	GC 8081 D0D ICAL
Client ID:	074SB-0010-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83482	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



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN | Lab Sample ID: 240-22804-11

Matrix: Water | Lab File ID: P3041622.D

Analysis Method: 8081/DOD | Date Collected: 04/03/2013 15:00

Extraction Method: 3520C | Date Extracted: 04/08/2013 09:24

Sample wt/vol: 1000(mL) | Date Analyzed: 04/16/2013 19:20

Con. Extract Vol.: 5(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.: 82129 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.010	U	0.050	0.010	0.0096
72-55-9	4,4'-DDE	0.010	U	0.050	0.010	0.0097
50-29-3	4,4'-DDT	0.030	U	0.050	0.030	0.016
309-00-2	Aldrin	0.010	U	0.050	0.010	0.0082
319-84-6	alpha-BHC	0.010	U	0.050	0.010	0.0070
5103-71-9	alpha-Chlordane	0.014	U	0.050	0.014	0.014
319-85-7	beta-BHC	0.010	U	0.050	0.010	0.0084
319-86-8	delta-BHC	0.010	U	0.050	0.010	0.0087
60-57-1	Dieldrin	0.010	U	0.050	0.010	0.0075
959-98-8	Endosulfan I	0.013	U	0.050	0.013	0.013
33213-65-9	Endosulfan II	0.012	U	0.050	0.012	0.012
1031-07-8	Endosulfan sulfate	0.011	U	0.050	0.011	0.011
72-20-8	Endrin	0.011	U	0.050	0.011	0.011
7421-93-4	Endrin aldehyde	0.011	U	0.050	0.011	0.011
53494-70-5	Endrin ketone	0.010	U	0.050	0.010	0.0078
58-89-9	gamma-BHC (Lindane)	0.010	U	0.050	0.010	0.0064
5103-74-2	gamma-Chlordane	0.012	U	0.050	0.012	0.012
76-44-8	Heptachlor	0.010	U	0.050	0.010	0.0080
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010	0.0071
72-43-5	Methoxychlor	0.032	U	0.10	0.032	0.032
8001-35-2	Toxaphene	0.50	U	2.0	0.50	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		30-135
877-09-8	Tetrachloro-m-xylene	87		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041622.D
Lims ID: 240-22804-H-11-B Client ID: 079RN-0317-0001-RN
Inject. Date: 16-Apr-2013 19:20:38 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018914-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 82129 Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130416-18914.b\PEST3.m
Last Update: 17-Apr-2013 10:53:12 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: XAWRK005

First Level Reviewer: shockr Date: 17-Apr-2013 09:49:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.494	0.002	38289835	0.0348			
2	100	4.094	4.093	0.001	20671718	0.0342			
						RPD = 1.67			
5 alpha-BHC									
1	100		4.184						
2	100		4.949						
20 gamma-BHC (Lindane)									
1	100		4.564						
2	100		5.532						
7 beta-BHC									
1	100		4.697						
2	100		5.717						
11 delta-BHC									
1	100		4.911						
2	100		6.301						
22 Heptachlor									
1	100		5.194						
2	100		6.364						
4 Aldrin									
1	100		5.644						
2	100		7.112						
23 Heptachlor epoxide									1
1	100		6.869						
2	100		8.605						
21 gamma-Chlordane									
1	100		7.170						
2	100		9.010						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.517						
2	100		9.319						
14 Endosulfan I									
1	100		7.794						
2	100		9.386						
2 4,4'-DDE									
1	100		7.894						
2	100		9.765						
13 Dieldrin									
1	100		8.357						
2	100		9.913						
17 Endrin									
1	100		8.817						
2	100		10.435						
1 4,4'-DDD									
1	100		9.184						
2	100		10.774						
15 Endosulfan II									
1	100		9.269						
2	100		10.808						
3 4,4'-DDT									
1	100		9.710						
2	100		11.256						
18 Endrin aldehyde									
1	100		10.074						
2	100		11.372						
30 Toxaphene									1
1	1		10.265						
1	2		10.611						
1	3		10.765						
1	4		11.181						
1	5		11.449						
2	100		10.363						
2	2		10.955						
2	3		11.376						
2	4		12.119						
2	5		12.679						
27 Methoxychlor									
1	100		10.672						
2	100		12.337						
16 Endosulfan sulfate									1
1	100		10.805						
2	100		11.791						
19 Endrin ketone									1
1	100		11.206						
2	100		12.539						
$ 10 DCB Decachlorobiphenyl									
1	100	12.830	12.827	0.003	28873295	0.0301			
2	100	14.255	14.254	0.001	15334871	0.0319			

RPD = 5.91

QC Flag Legend

Processing Flags
1 - Missing Peaks

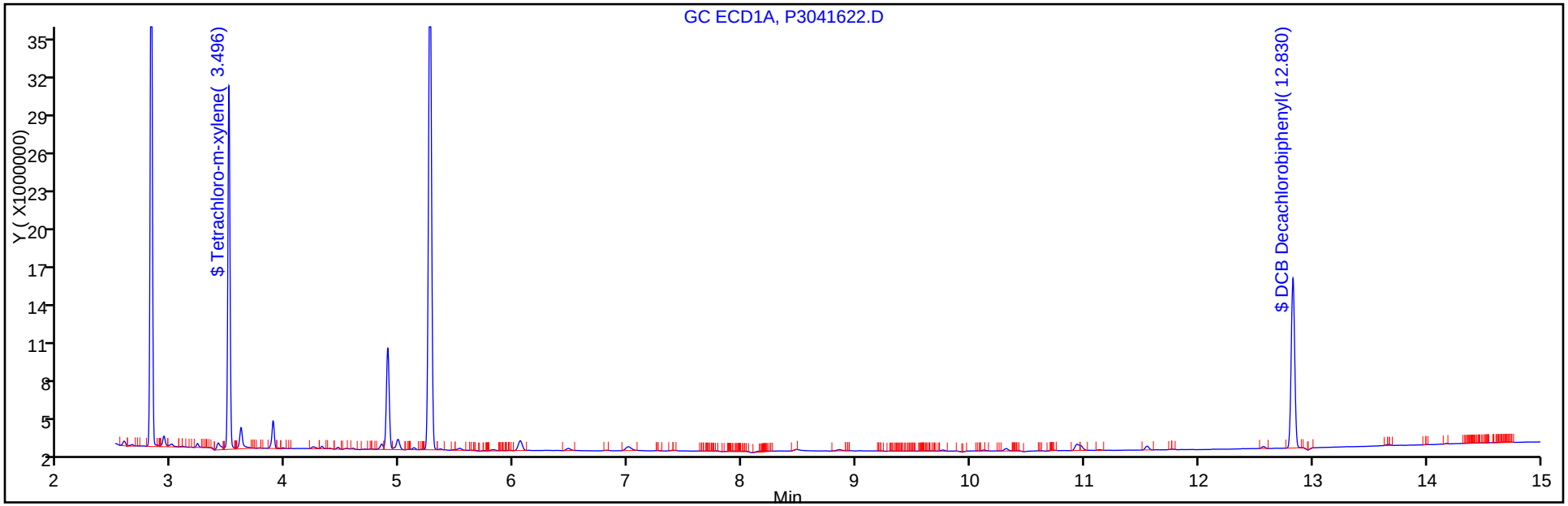
Report Date: 17-Apr-2013 10:53:17 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

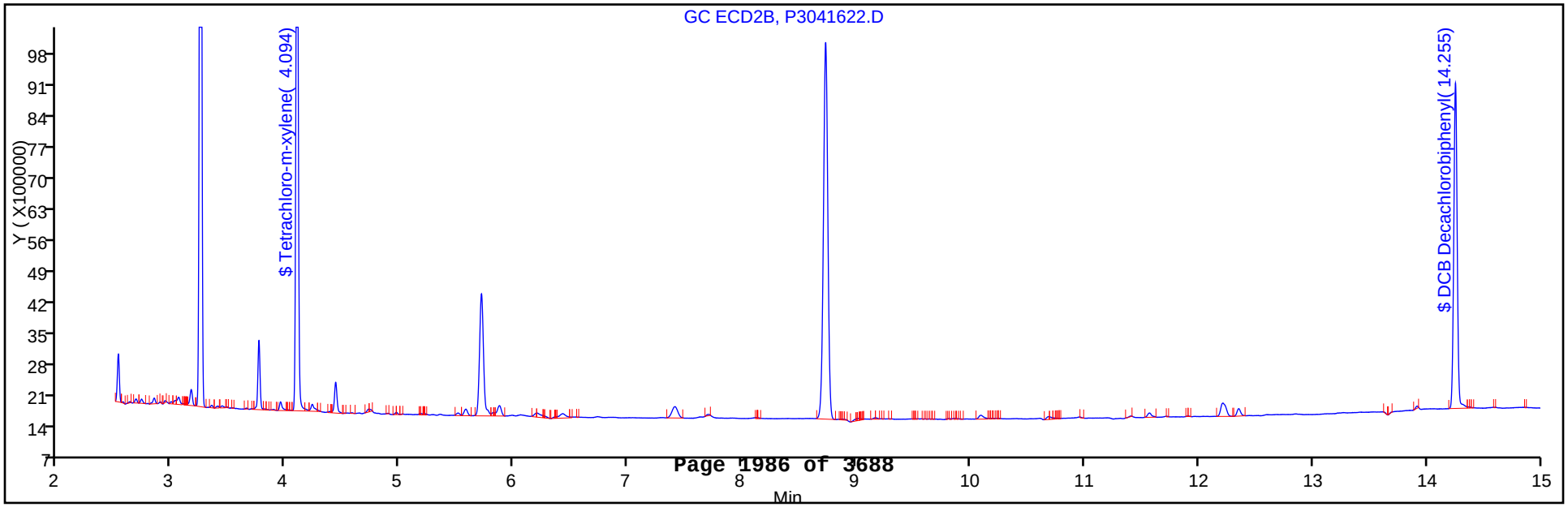
Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041622.D

Injection Date:	16-Apr-2013 19:20:38	Limit Group:	GC 8081 D0D ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A2HP3
Lims Batch ID:	82129	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 I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Client Sample ID: 079RN-0317-0001-RN Lab Sample ID: 240-22804-11

Matrix: Water Lab File ID: P3041622.D

Analysis Method: 8081/DOD Date Collected: 04/03/2013 15:00

Extraction Method: 3520C Date Extracted: 04/08/2013 09:24

Sample wt/vol: 1000(mL) Date Analyzed: 04/16/2013 19:20

Con. Extract Vol.: 5(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.: 82129 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		30-135
877-09-8	Tetrachloro-m-xylene	86		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041622.D
Lims ID: 240-22804-H-11-B Client ID: 079RN-0317-0001-RN
Inject. Date: 16-Apr-2013 19:20:38 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018914-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 82129 Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130416-18914.b\PEST3.m
Last Update: 17-Apr-2013 10:53:12 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: XAWRK005

First Level Reviewer: shockr Date: 17-Apr-2013 09:49:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.494	0.002	38289835	0.0348			
2	100	4.094	4.093	0.001	20671718	0.0342			
						RPD = 1.67			
5 alpha-BHC									
1	100		4.184						
2	100		4.949						
20 gamma-BHC (Lindane)									
1	100		4.564						
2	100		5.532						
7 beta-BHC									
1	100		4.697						
2	100		5.717						
11 delta-BHC									
1	100		4.911						
2	100		6.301						
22 Heptachlor									
1	100		5.194						
2	100		6.364						
4 Aldrin									
1	100		5.644						
2	100		7.112						
23 Heptachlor epoxide									1
1	100		6.869						
2	100		8.605						
21 gamma-Chlordane									
1	100		7.170						
2	100		9.010						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.517						
2	100		9.319						
14 Endosulfan I									
1	100		7.794						
2	100		9.386						
2 4,4'-DDE									
1	100		7.894						
2	100		9.765						
13 Dieldrin									
1	100		8.357						
2	100		9.913						
17 Endrin									
1	100		8.817						
2	100		10.435						
1 4,4'-DDD									
1	100		9.184						
2	100		10.774						
15 Endosulfan II									
1	100		9.269						
2	100		10.808						
3 4,4'-DDT									
1	100		9.710						
2	100		11.256						
18 Endrin aldehyde									
1	100		10.074						
2	100		11.372						
30 Toxaphene									1
1	1		10.265						
1	2		10.611						
1	3		10.765						
1	4		11.181						
1	5		11.449						
2	100		10.363						
2	2		10.955						
2	3		11.376						
2	4		12.119						
2	5		12.679						
27 Methoxychlor									
1	100		10.672						
2	100		12.337						
16 Endosulfan sulfate									1
1	100		10.805						
2	100		11.791						
19 Endrin ketone									1
1	100		11.206						
2	100		12.539						
$ 10 DCB Decachlorobiphenyl									
1	100	12.830	12.827	0.003	28873295	0.0301			
2	100	14.255	14.254	0.001	15334871	0.0319			

RPD = 5.91

QC Flag Legend

Processing Flags
1 - Missing Peaks

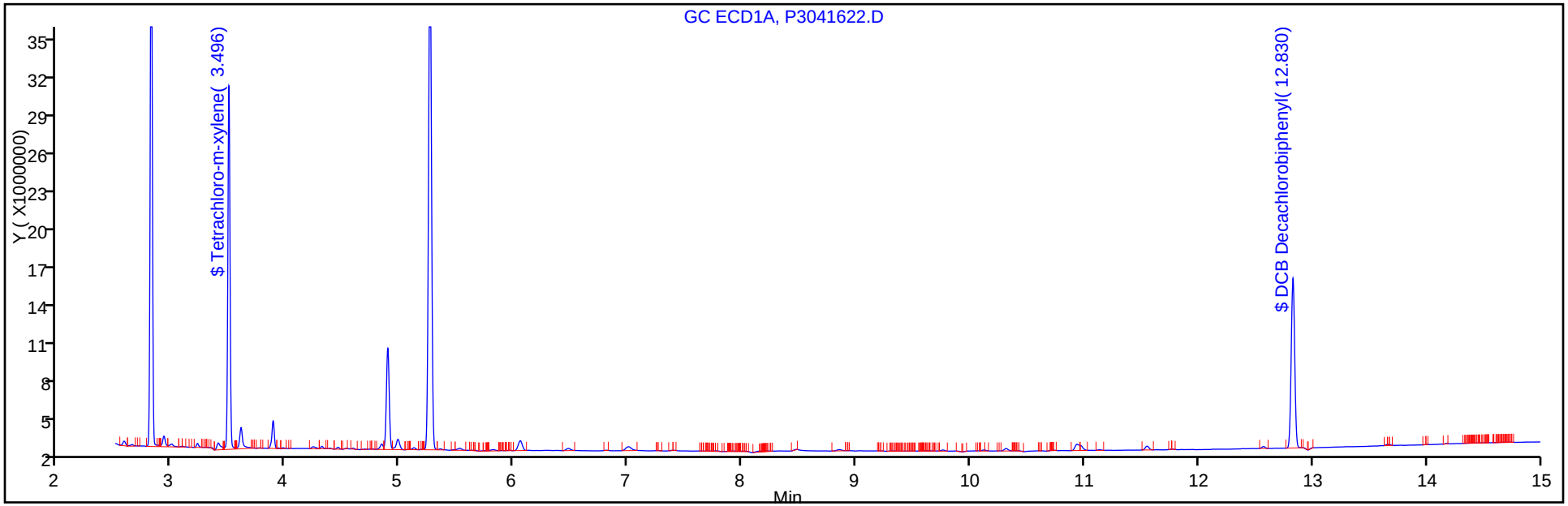
Report Date: 17-Apr-2013 10:53:17 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

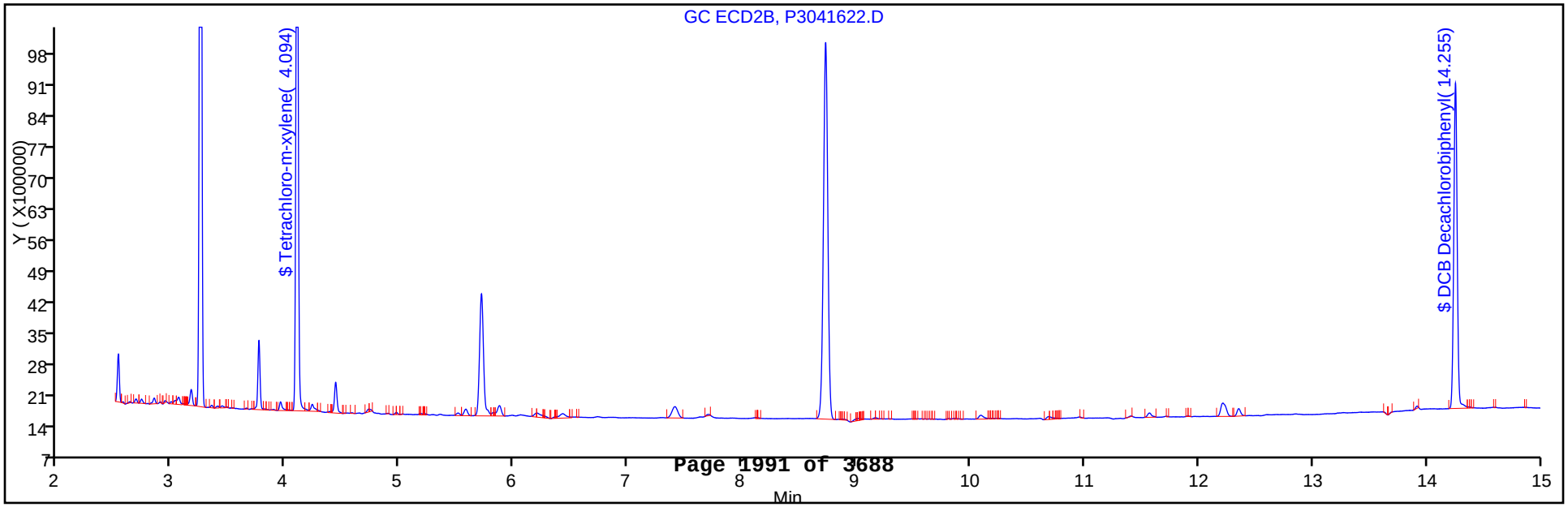
Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041622.D

Injection Date:	16-Apr-2013 19:20:38	Limit Group:	GC 8081 D0D ICAL
Client ID:	079RN-0317-0001-RN	Instrument ID:	A2HP3
Lims Batch ID:	82129	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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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			

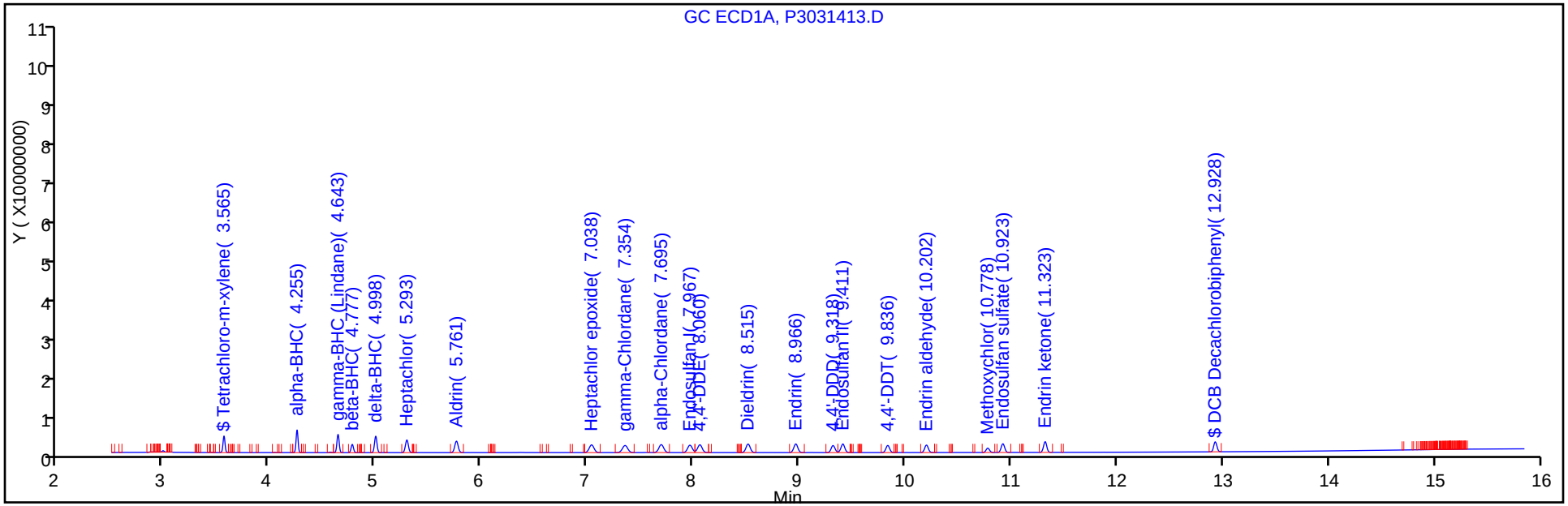
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

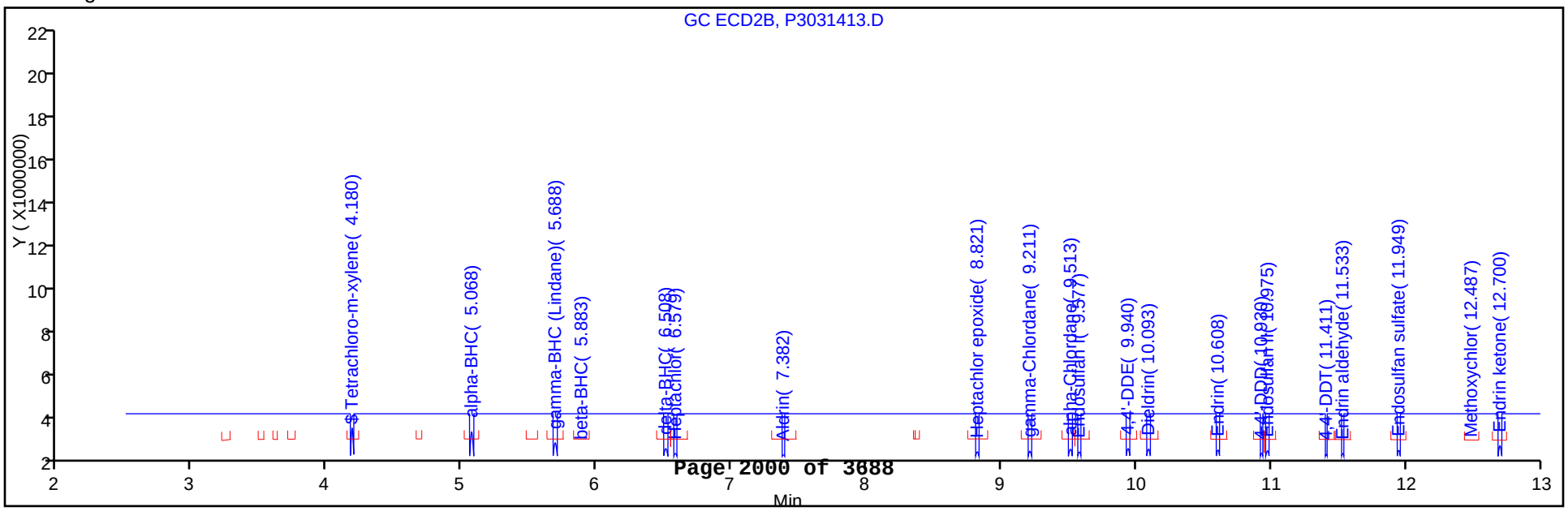
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

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			

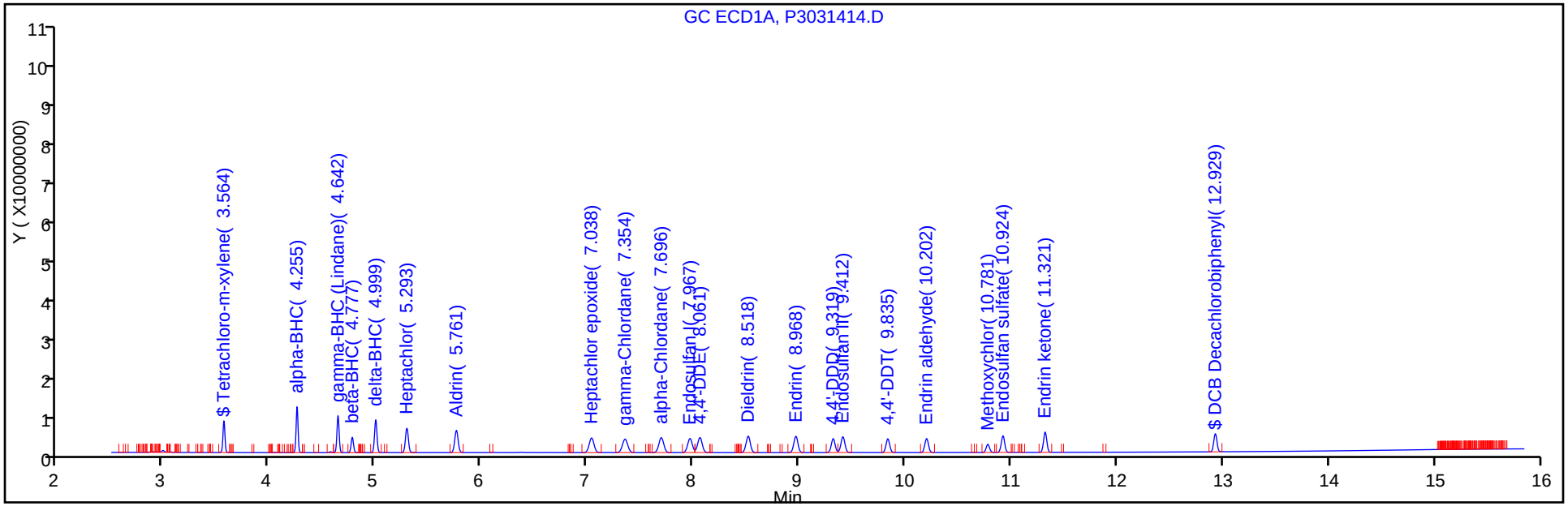
Report Date: 15-Mar-2013 07:54:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

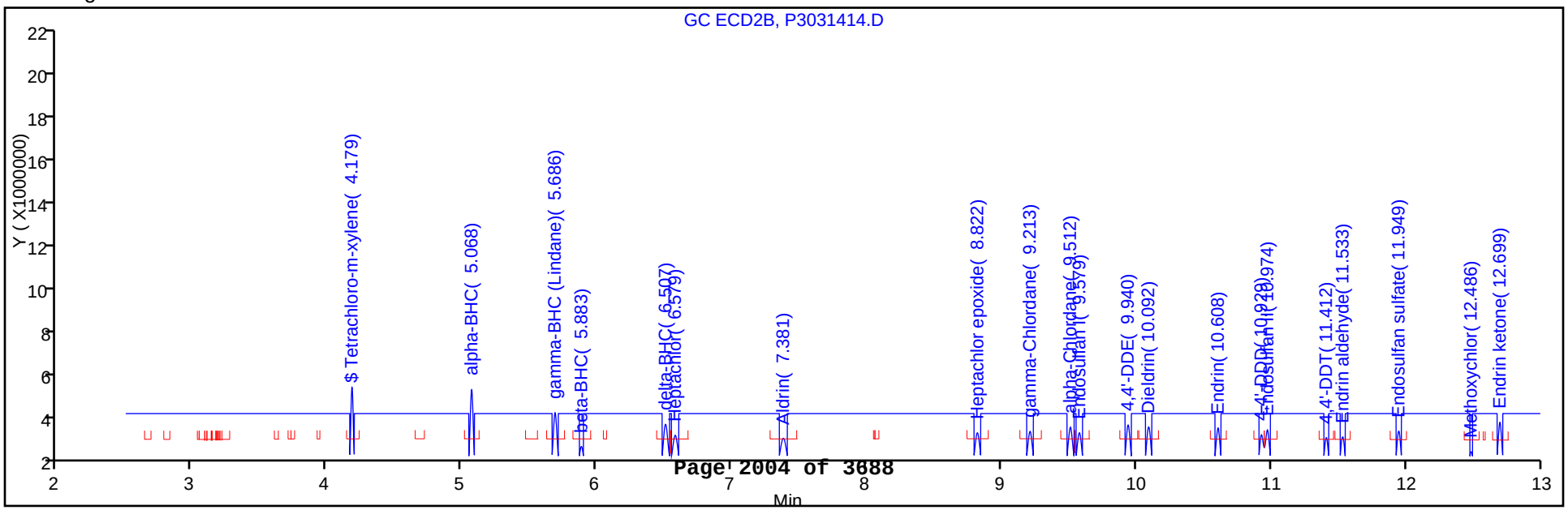
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D

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

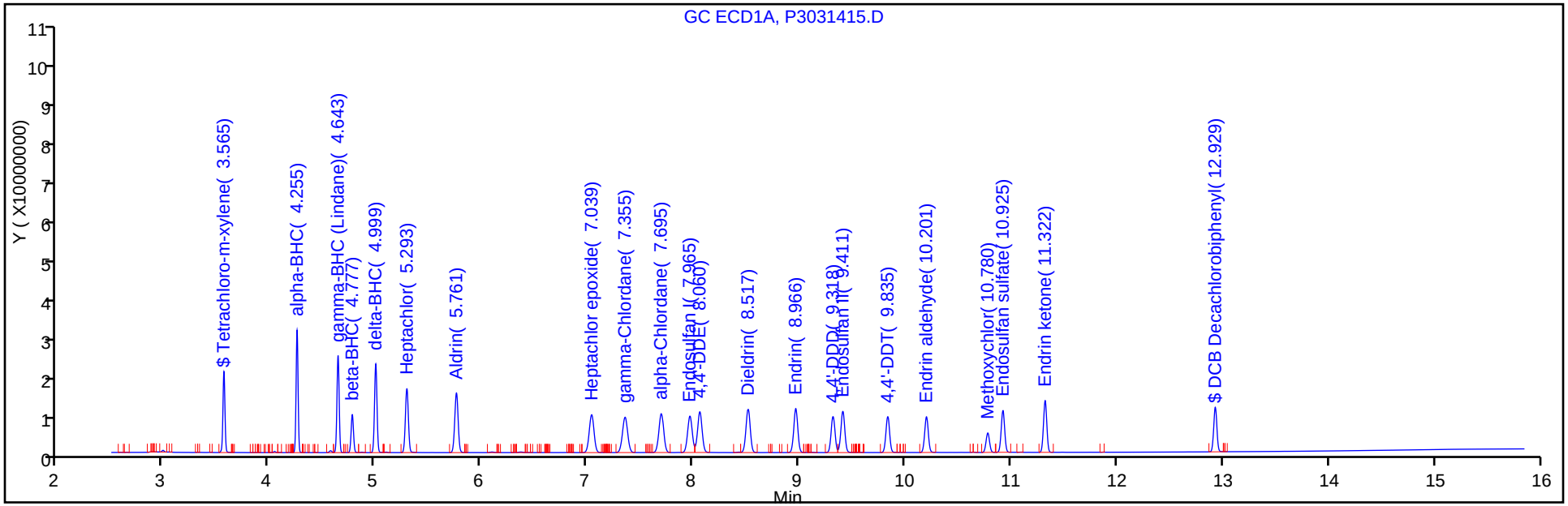
Report Date: 15-Mar-2013 07:54:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

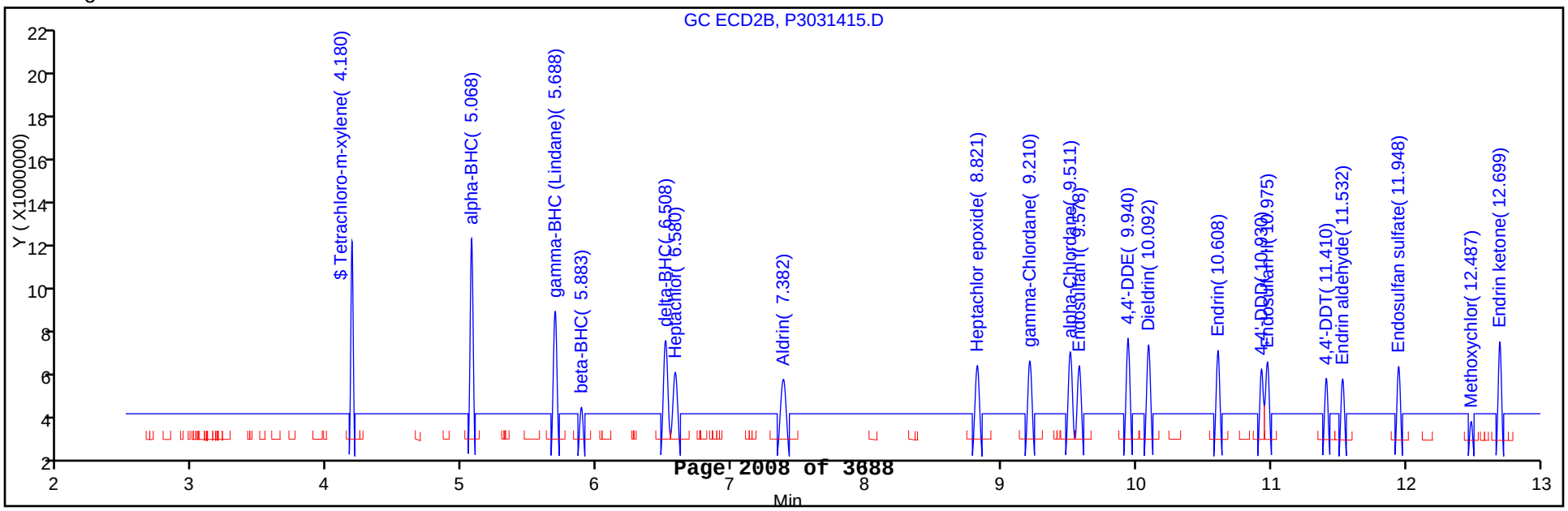
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D

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:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

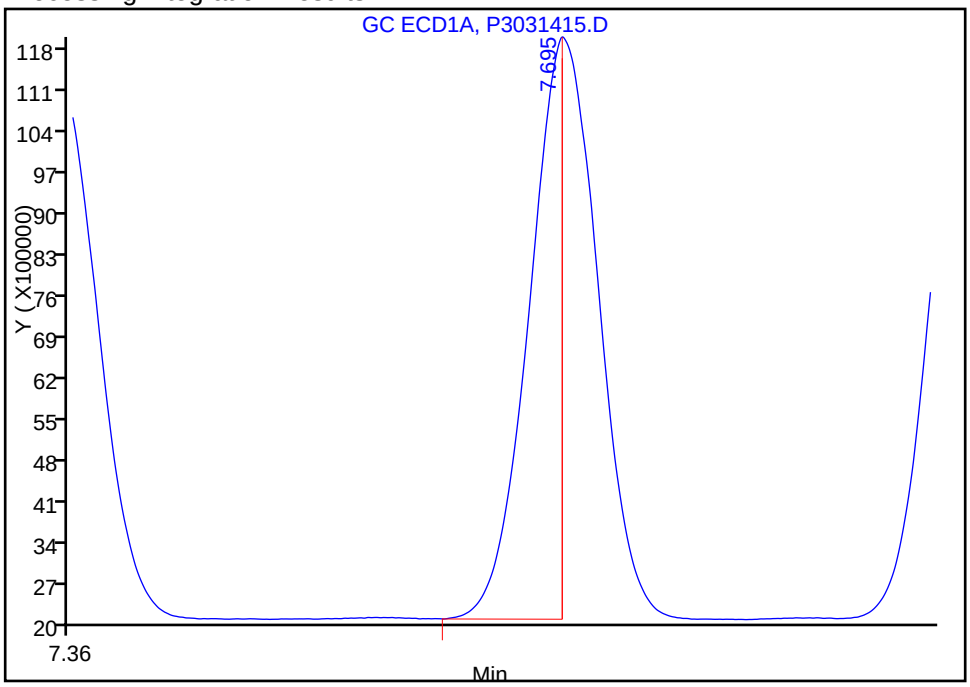
TestAmerica Canton

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

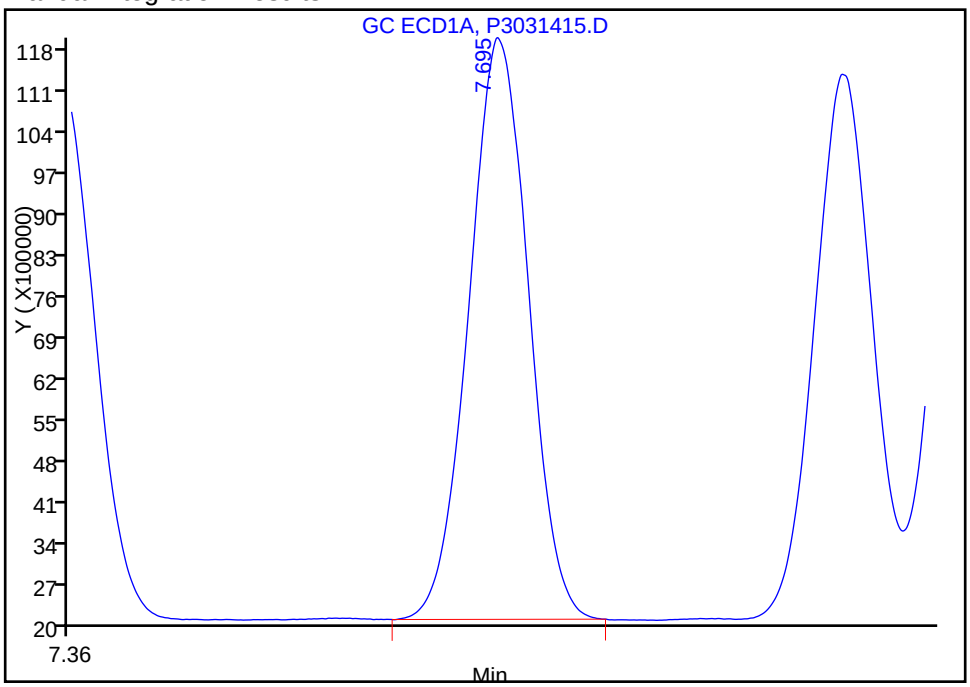
Processing Integration Results

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			

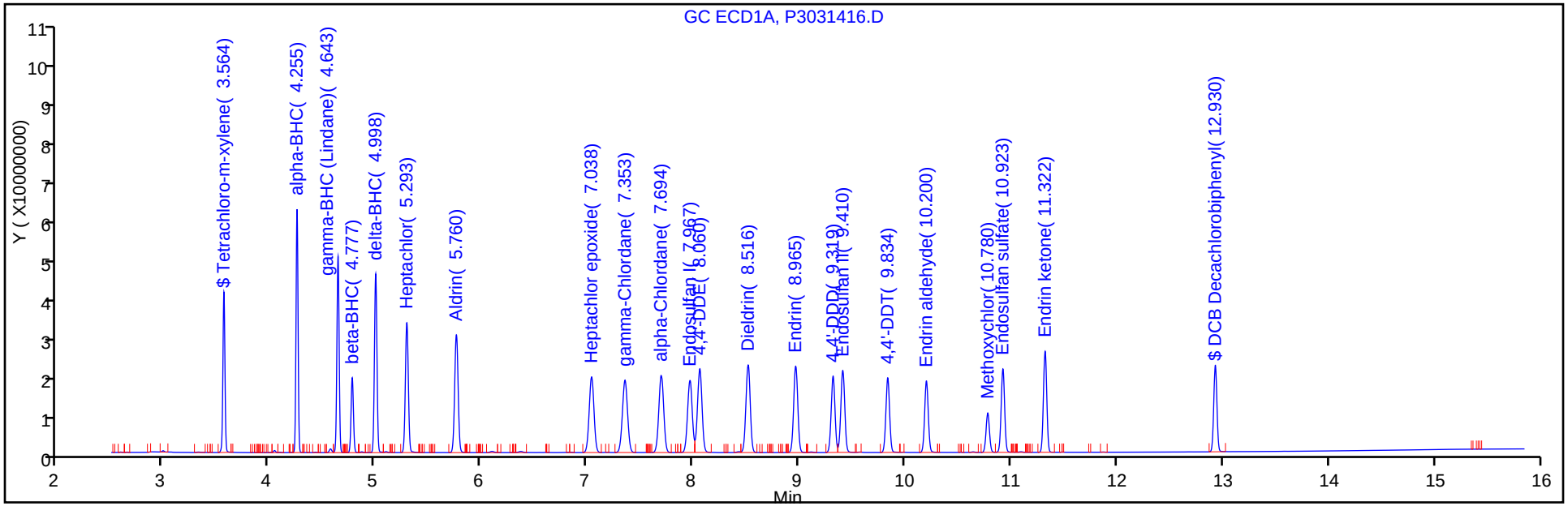
Report Date: 15-Mar-2013 07:54:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

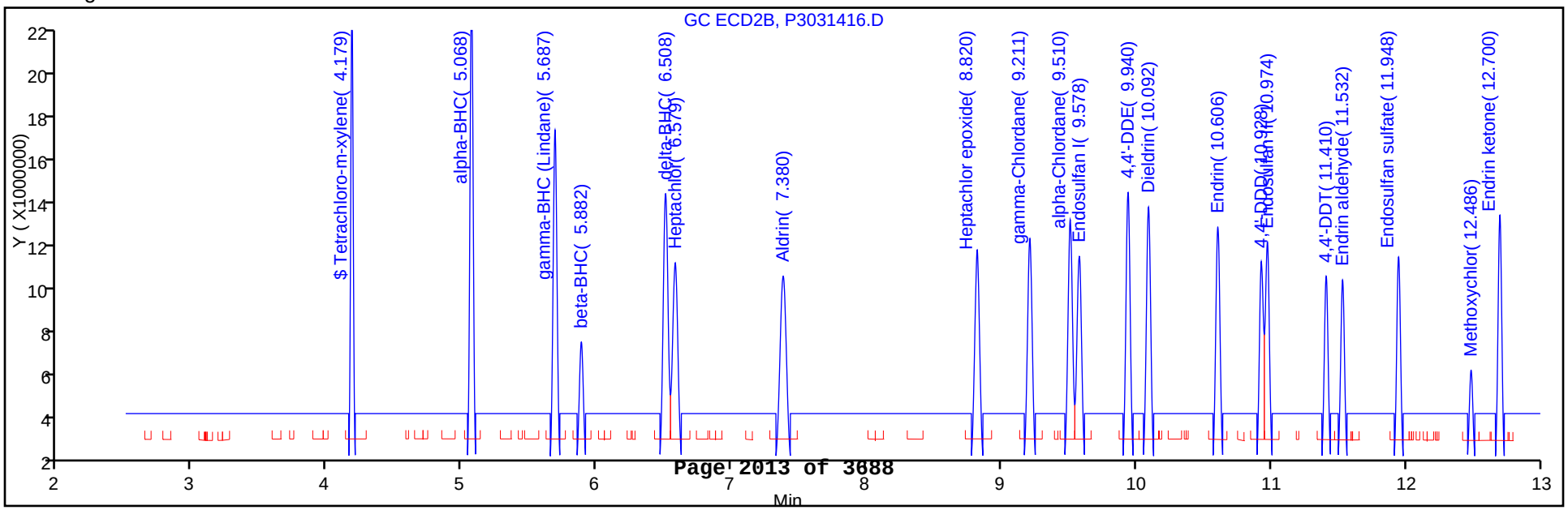
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D

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			

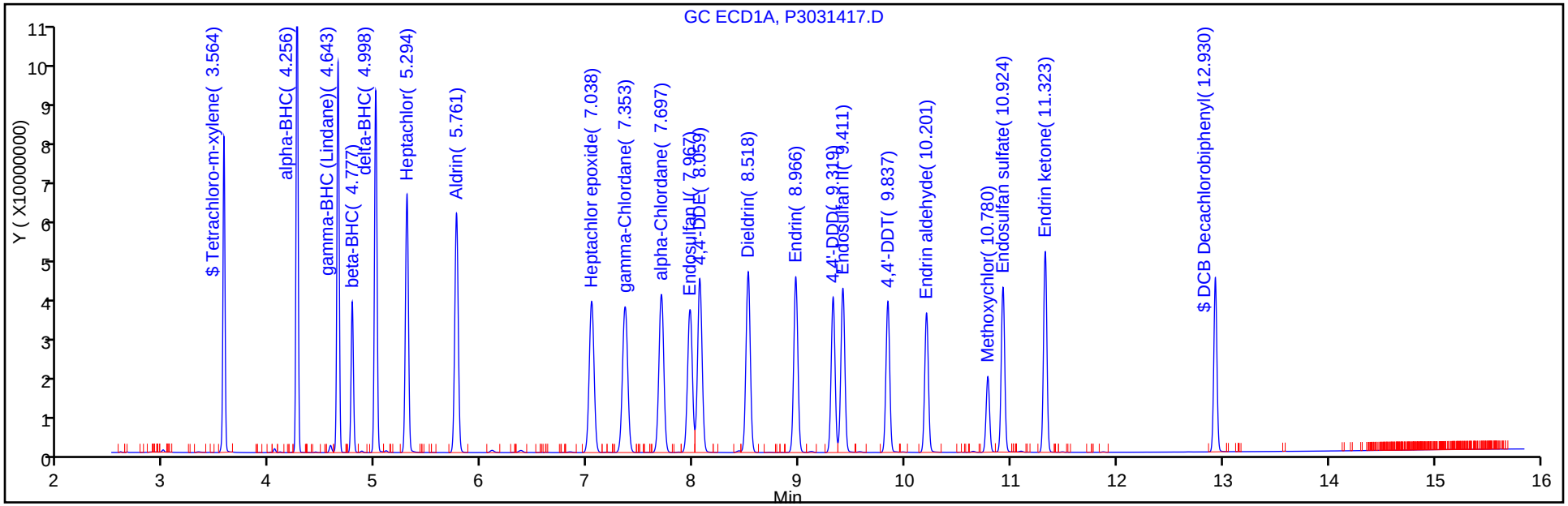
Report Date: 15-Mar-2013 07:54:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

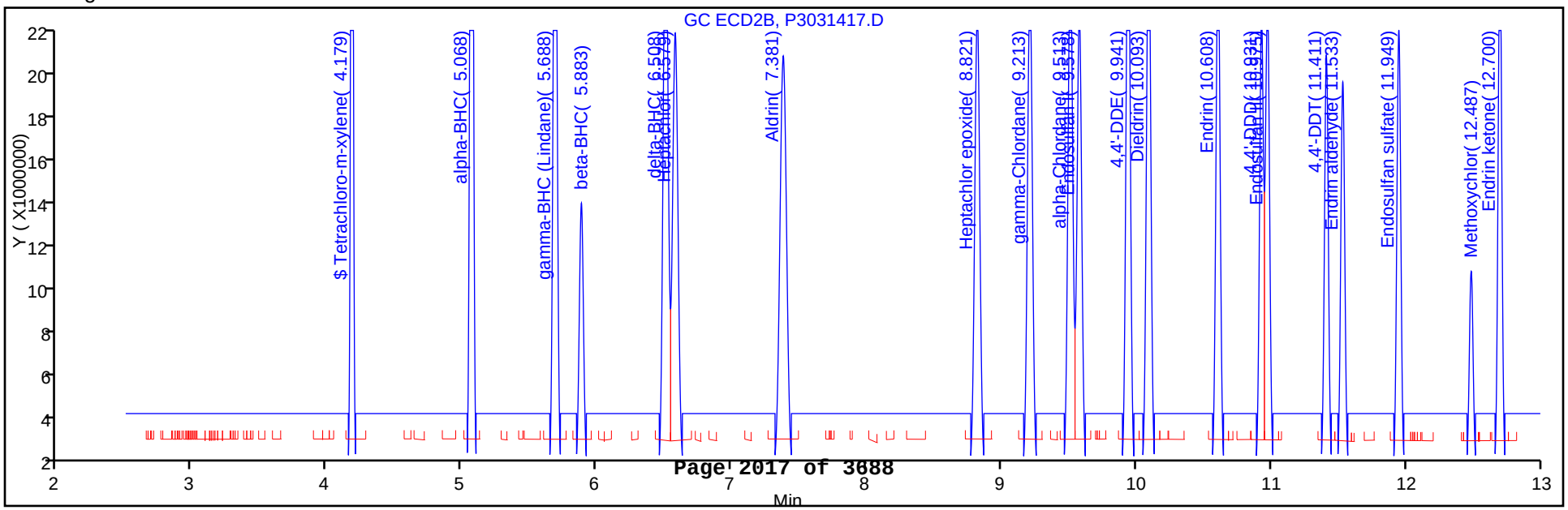
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D

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			

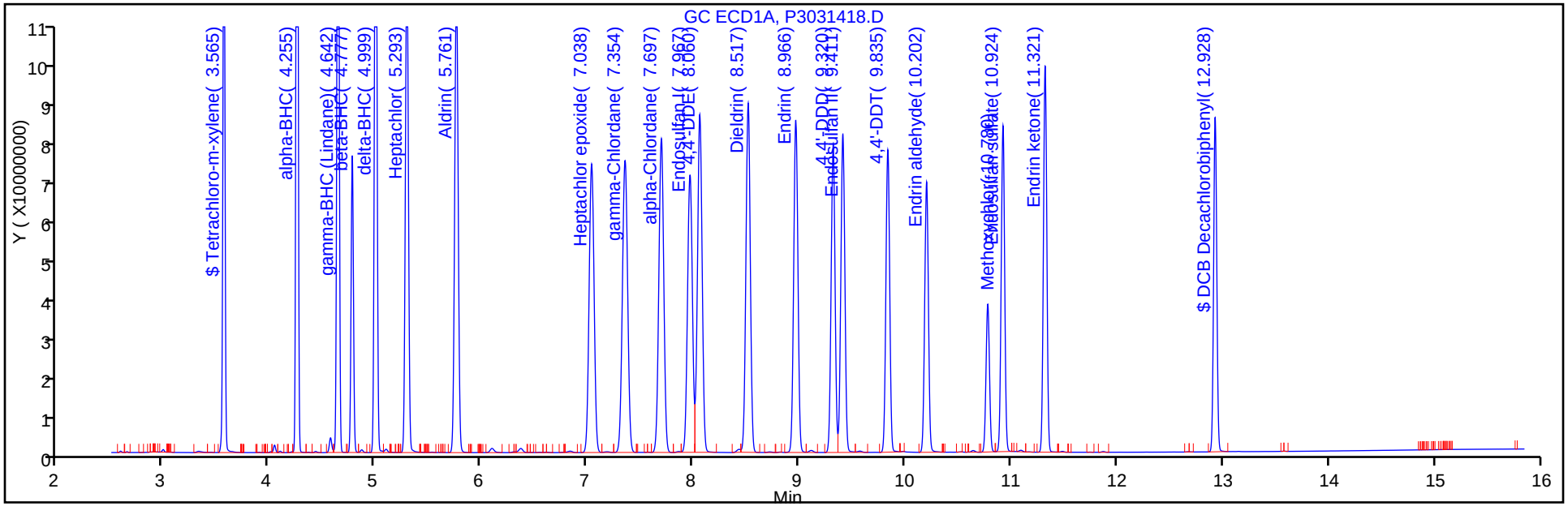
Report Date: 15-Mar-2013 07:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

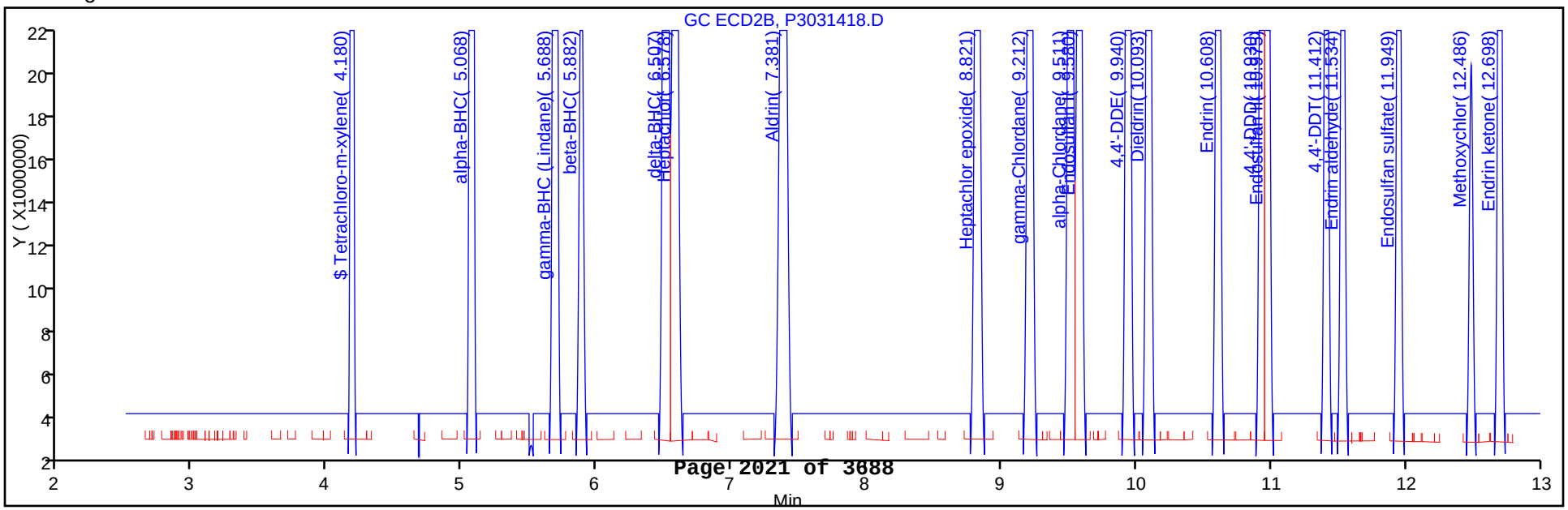
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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			

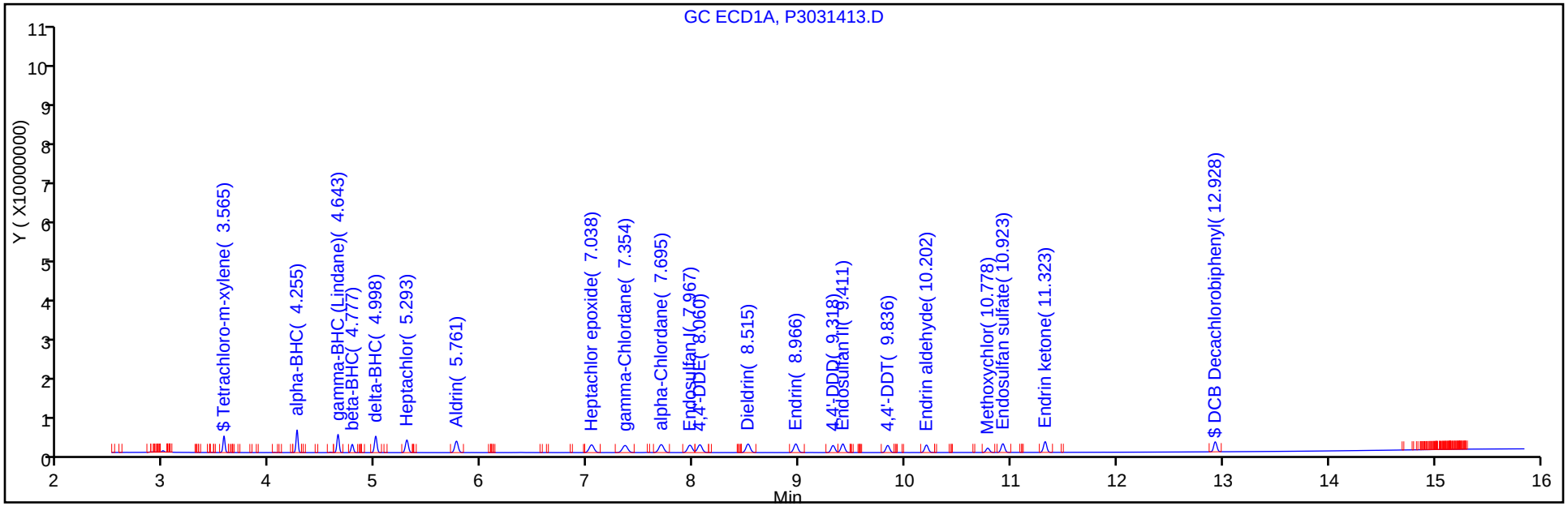
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

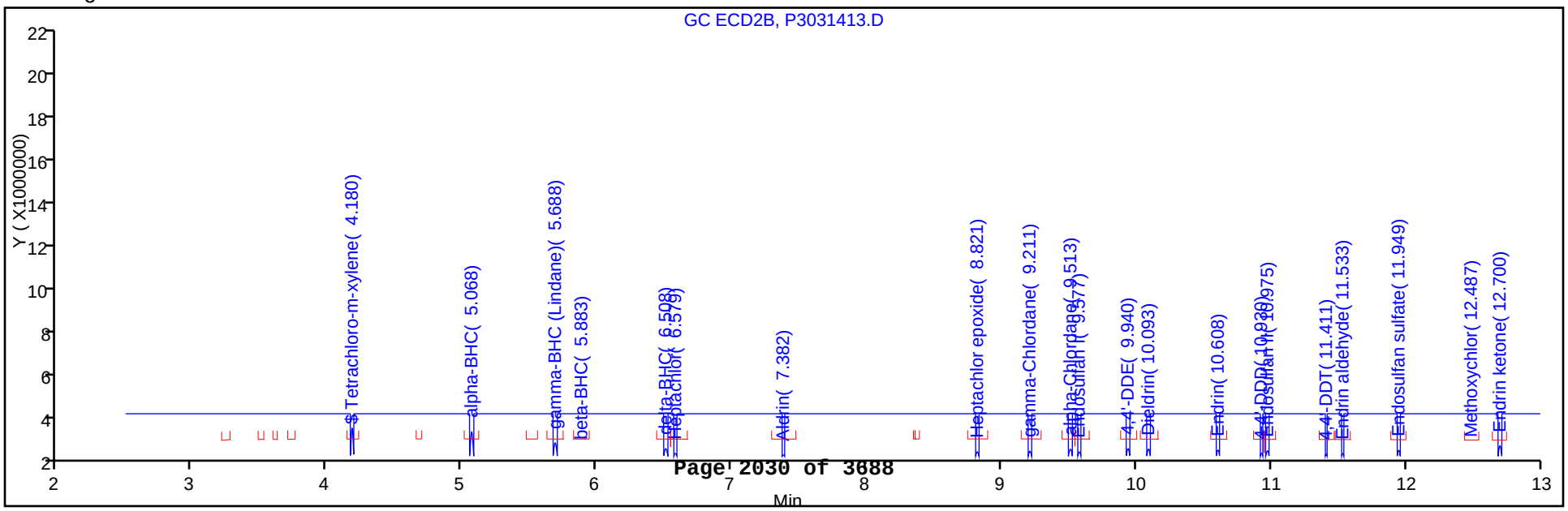
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

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			

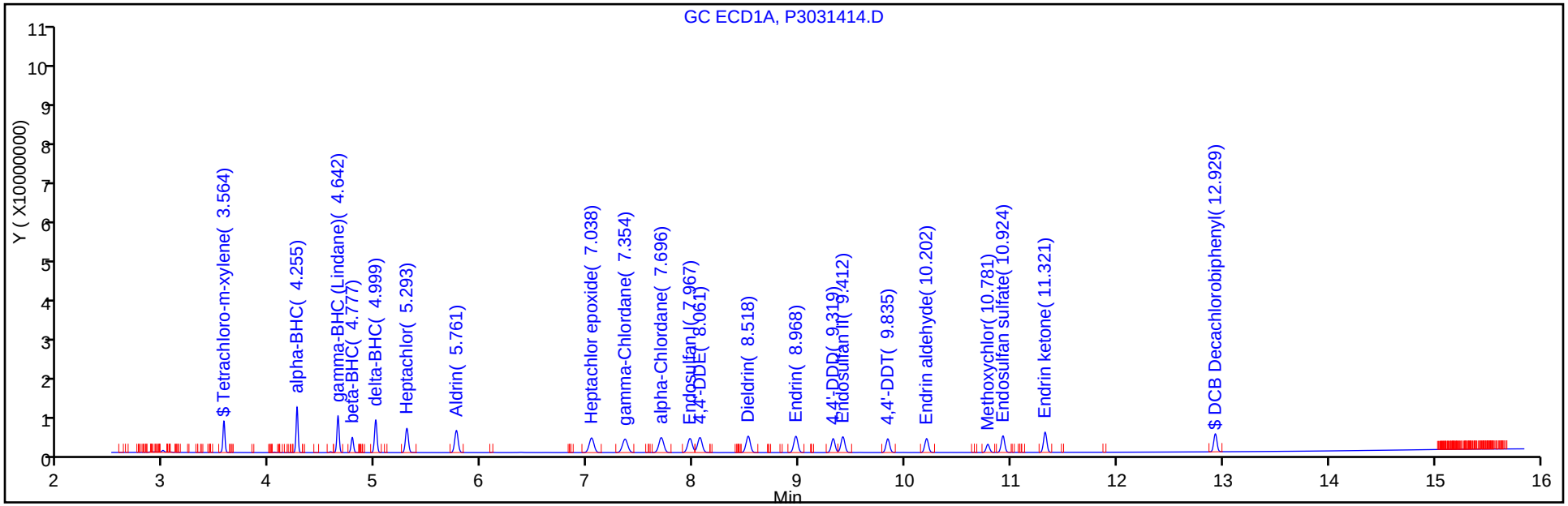
Report Date: 15-Mar-2013 07:54:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

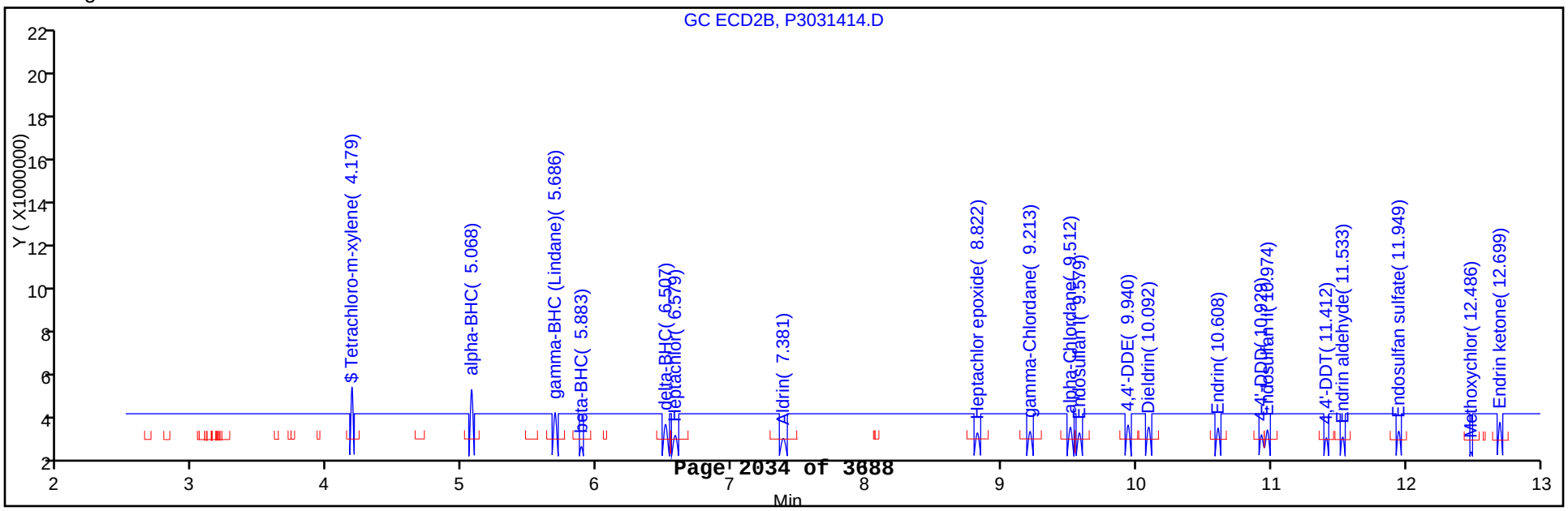
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D

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

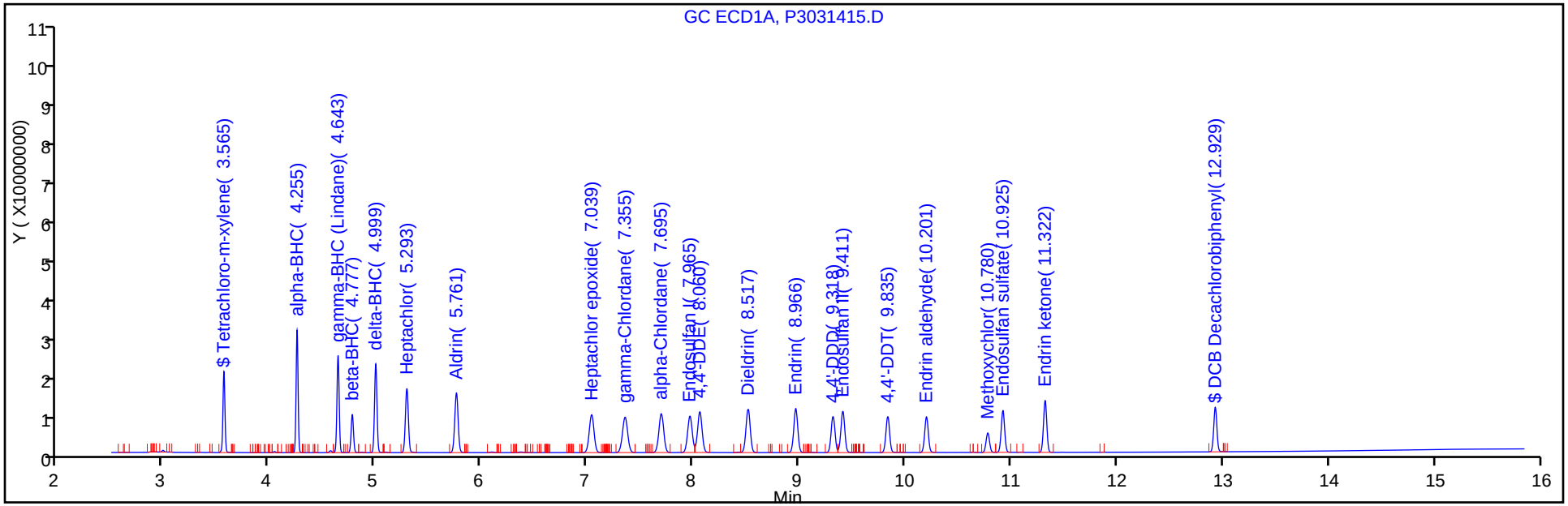
Report Date: 15-Mar-2013 07:54:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

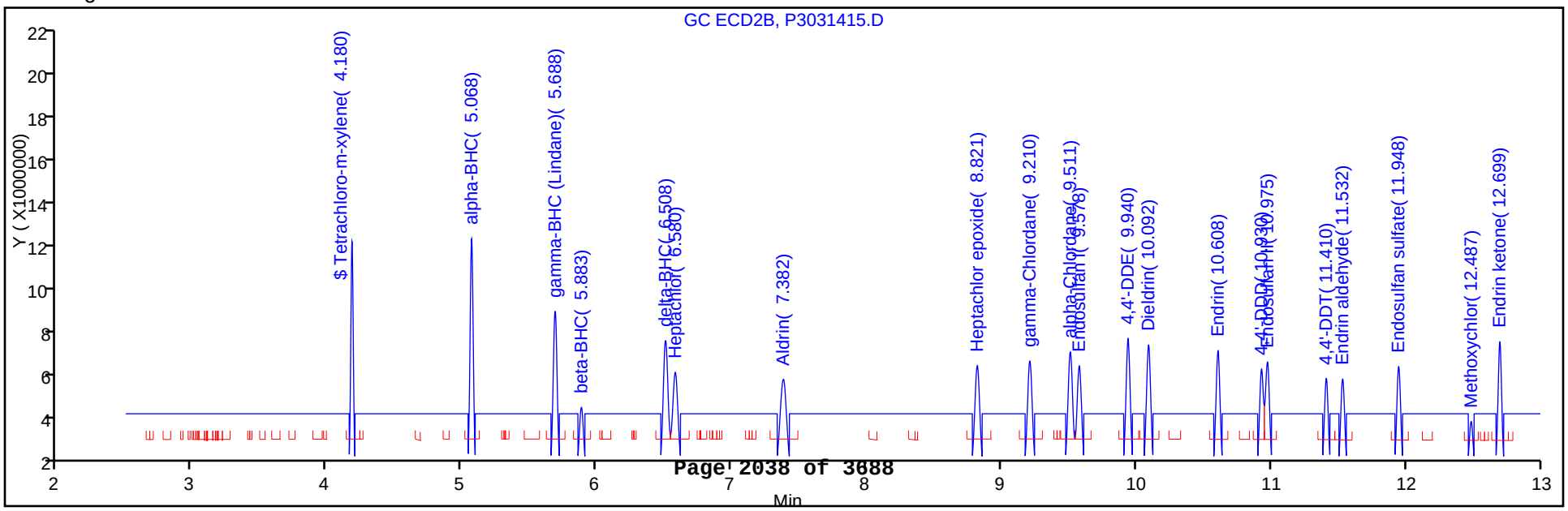
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D

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:	

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			

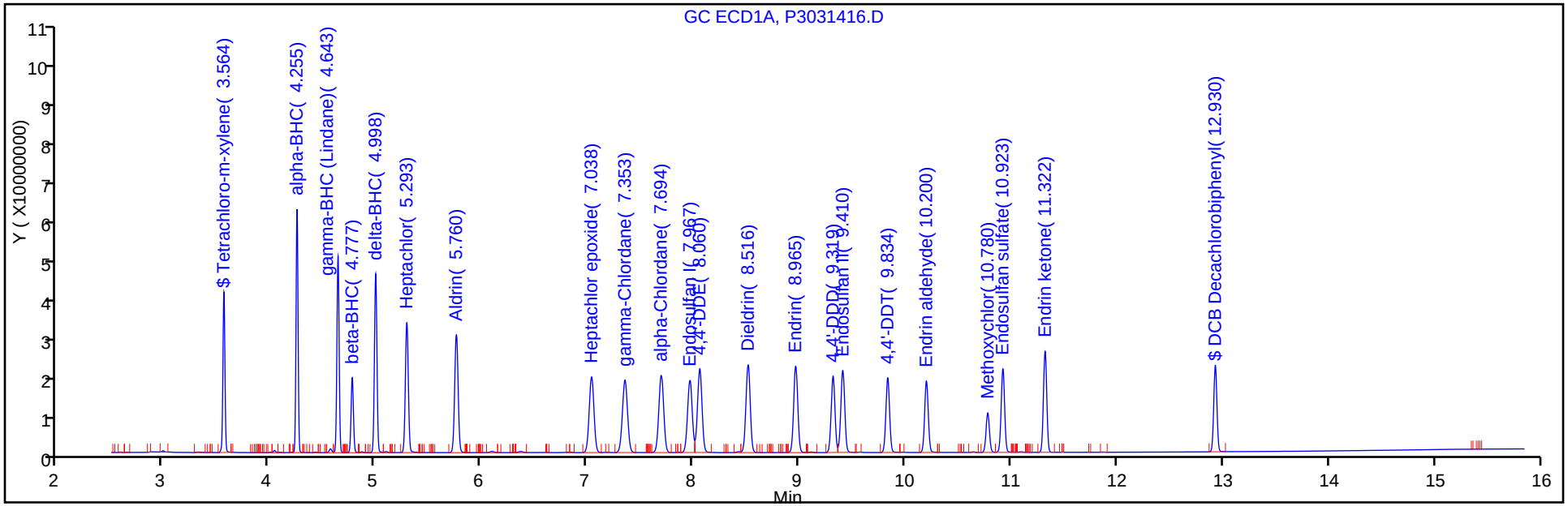
Report Date: 15-Mar-2013 07:54:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

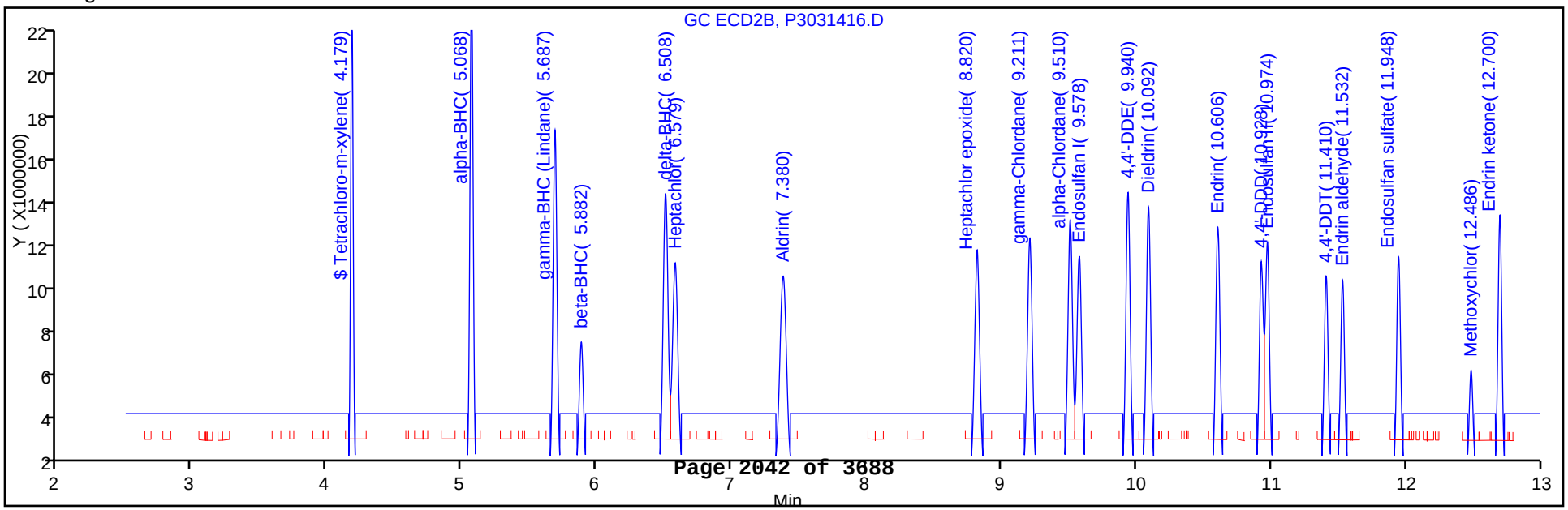
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D

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			

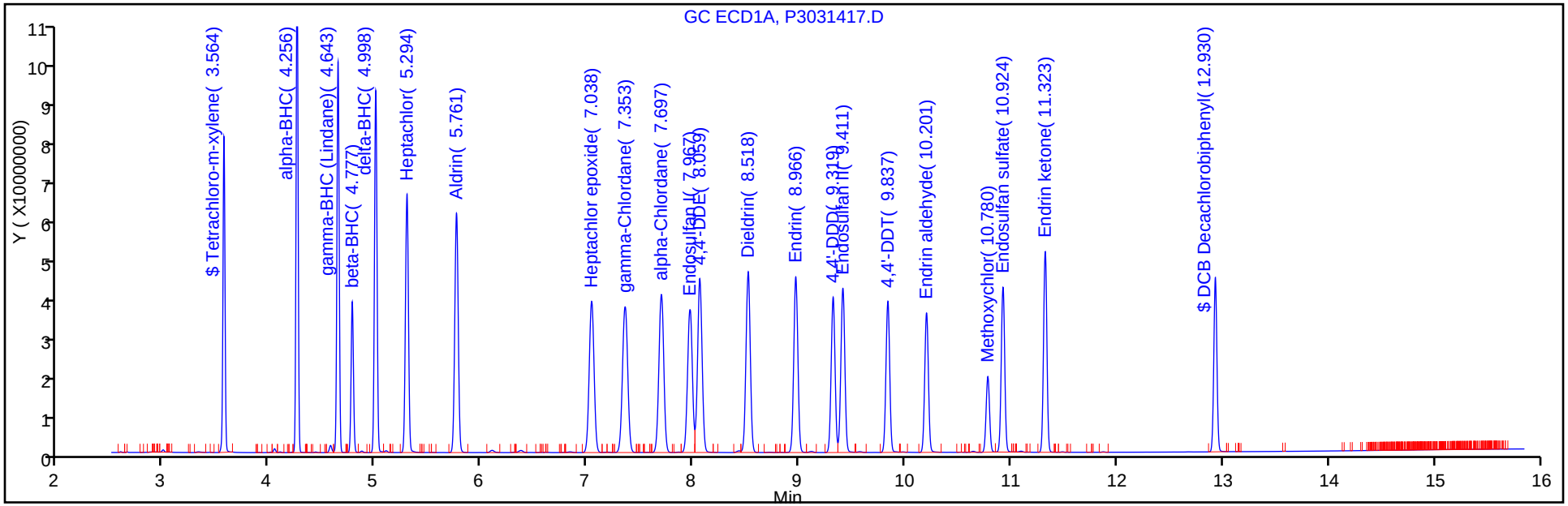
Report Date: 15-Mar-2013 07:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

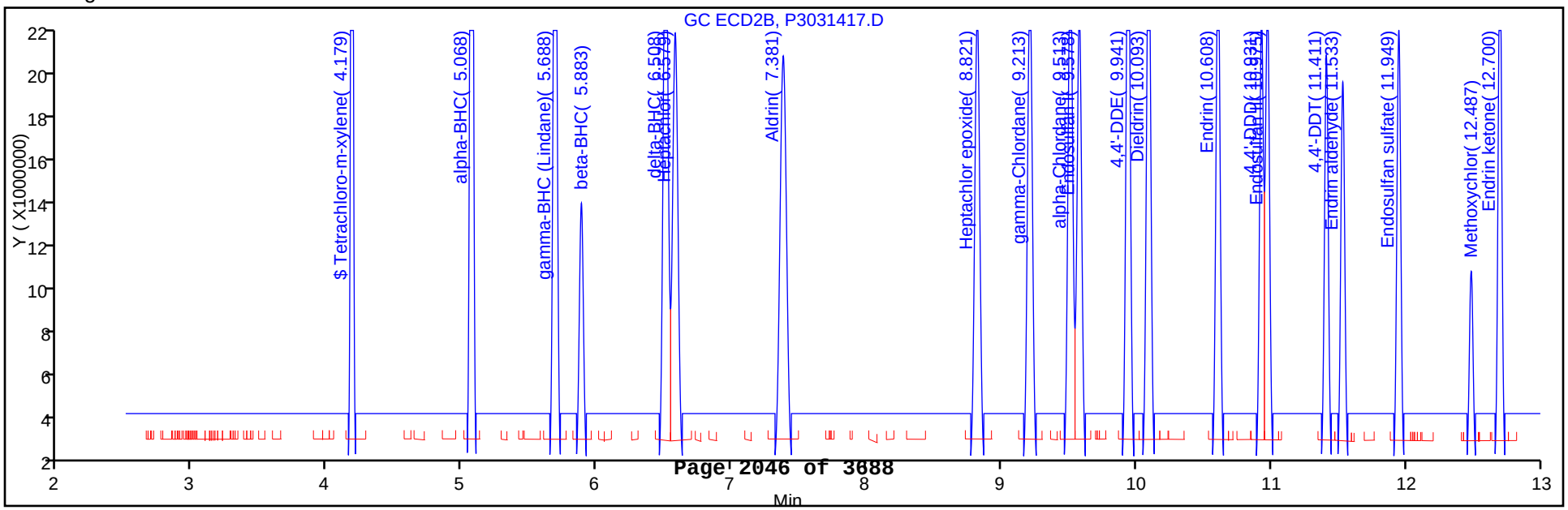
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D

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			

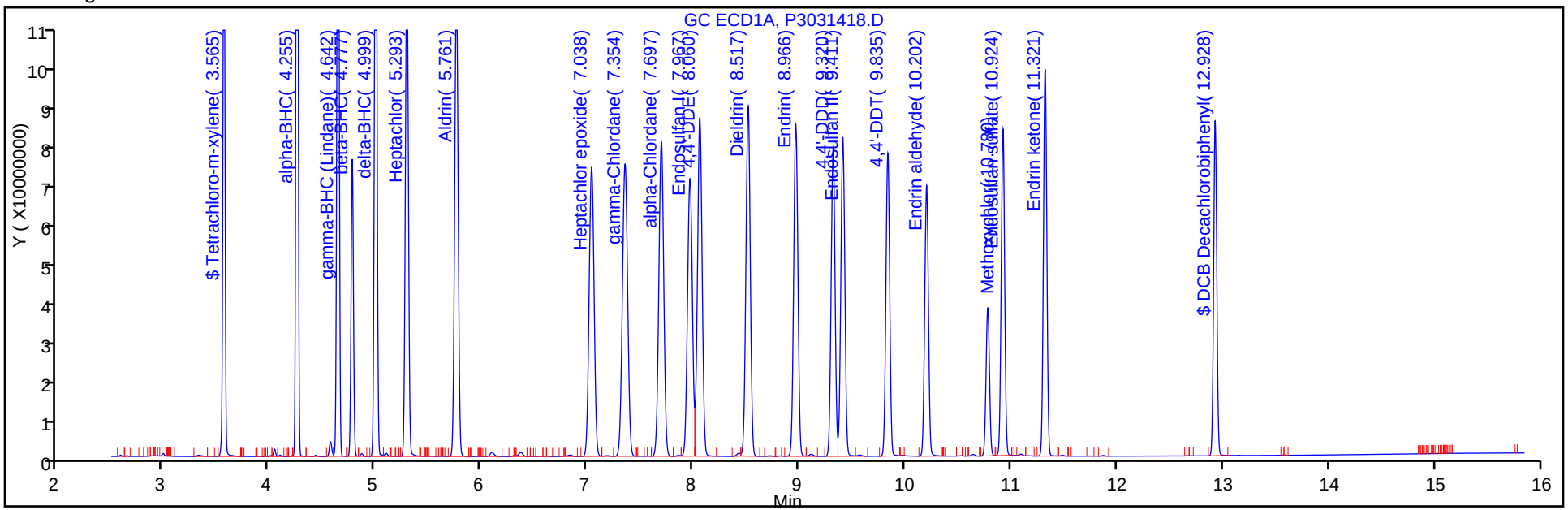
Report Date: 15-Mar-2013 07:54:41 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

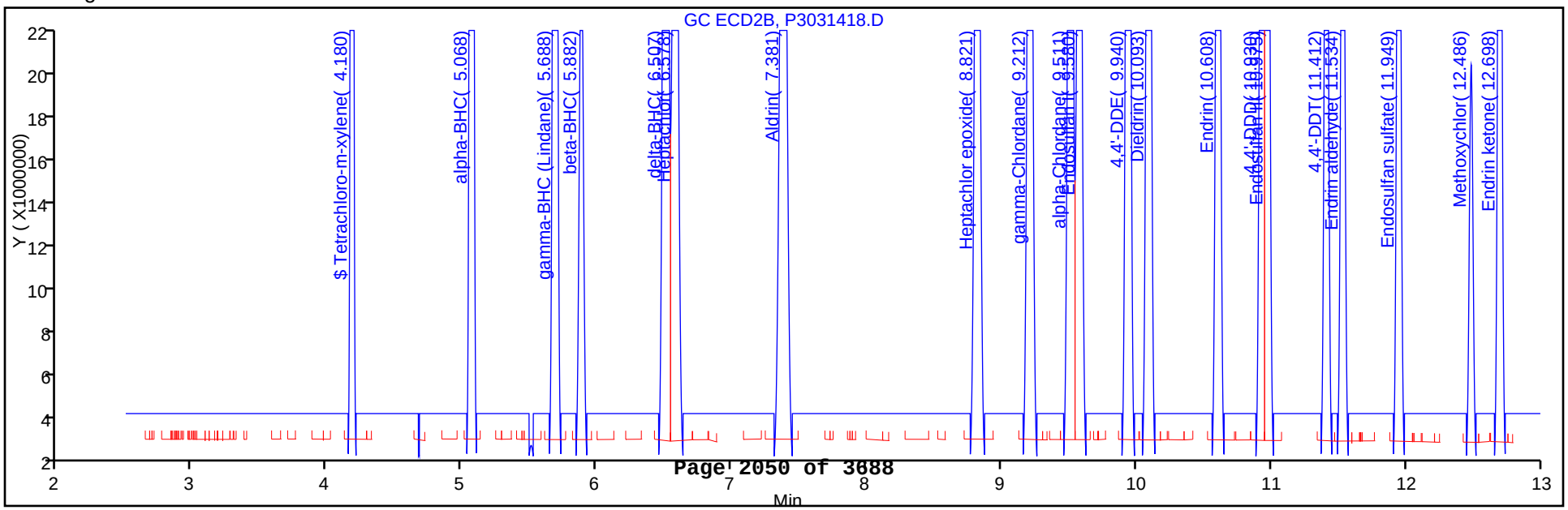
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

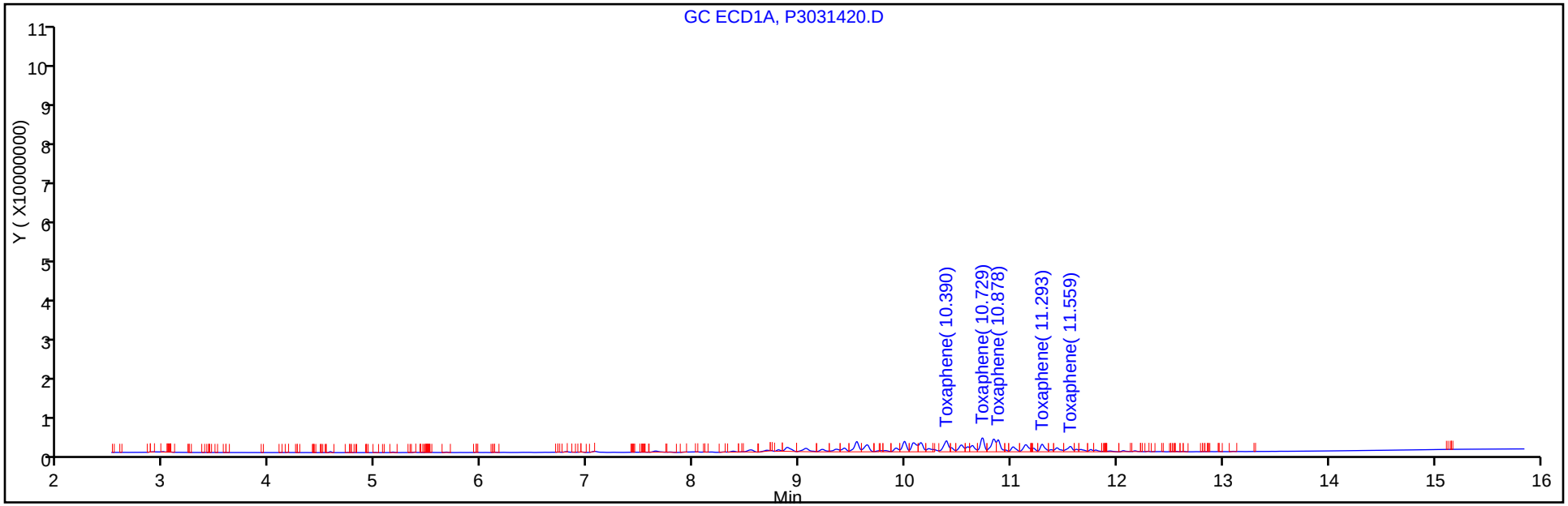
Report Date: 15-Mar-2013 07:54:43 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

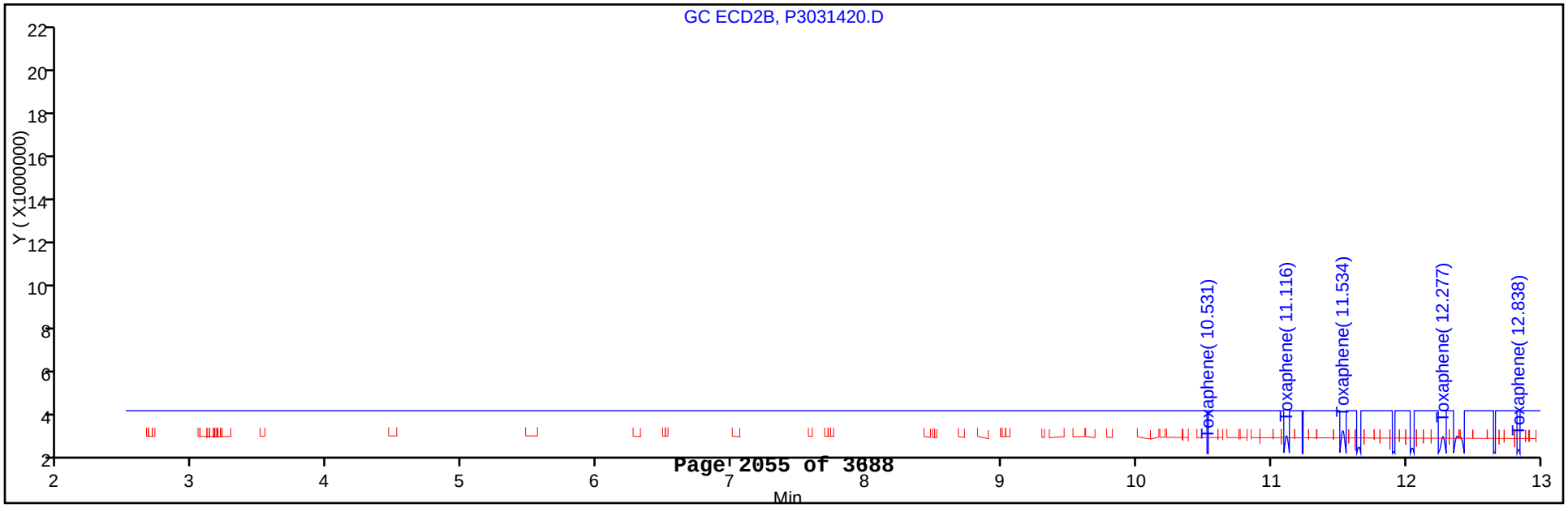
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

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



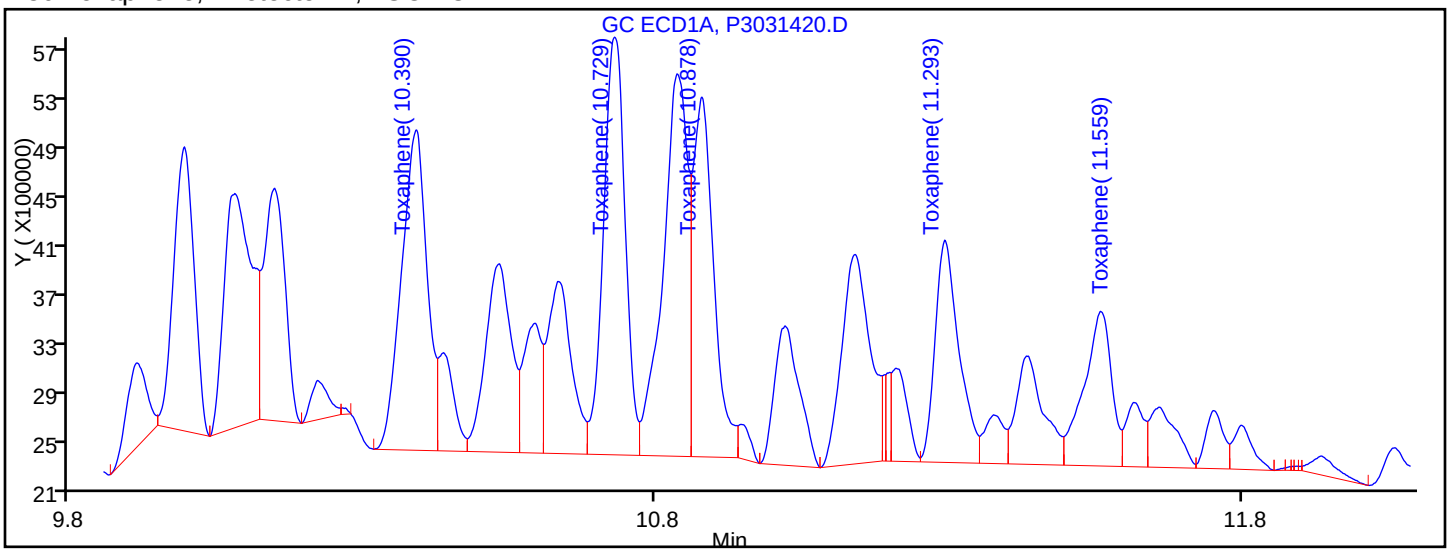
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

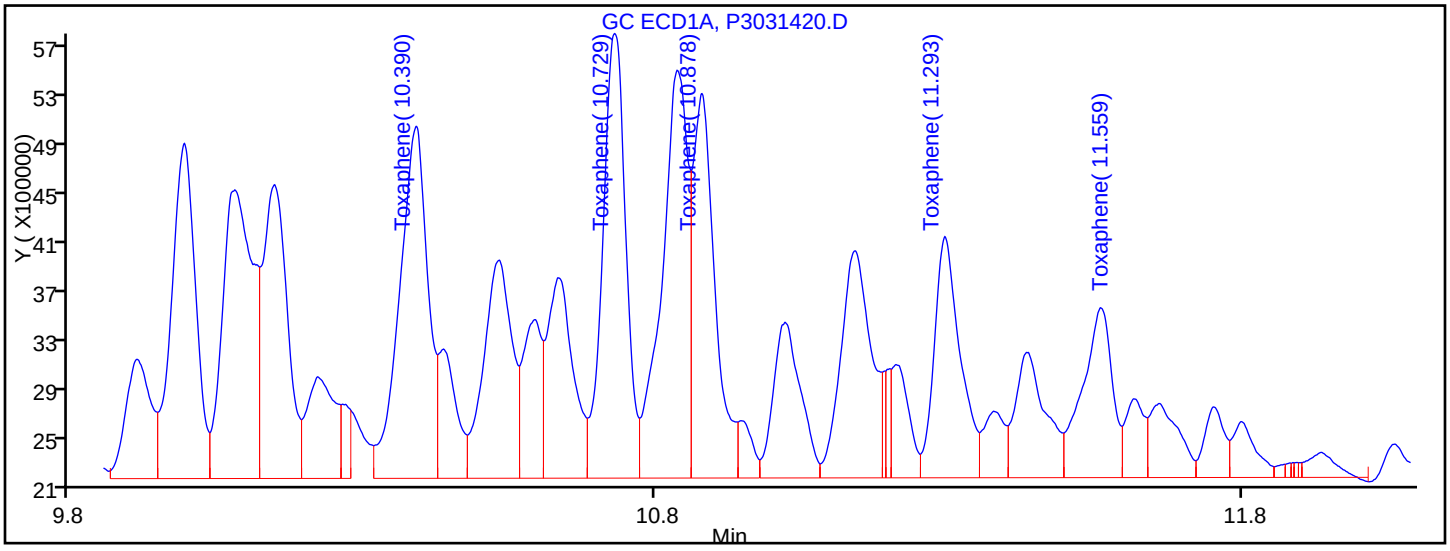
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 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

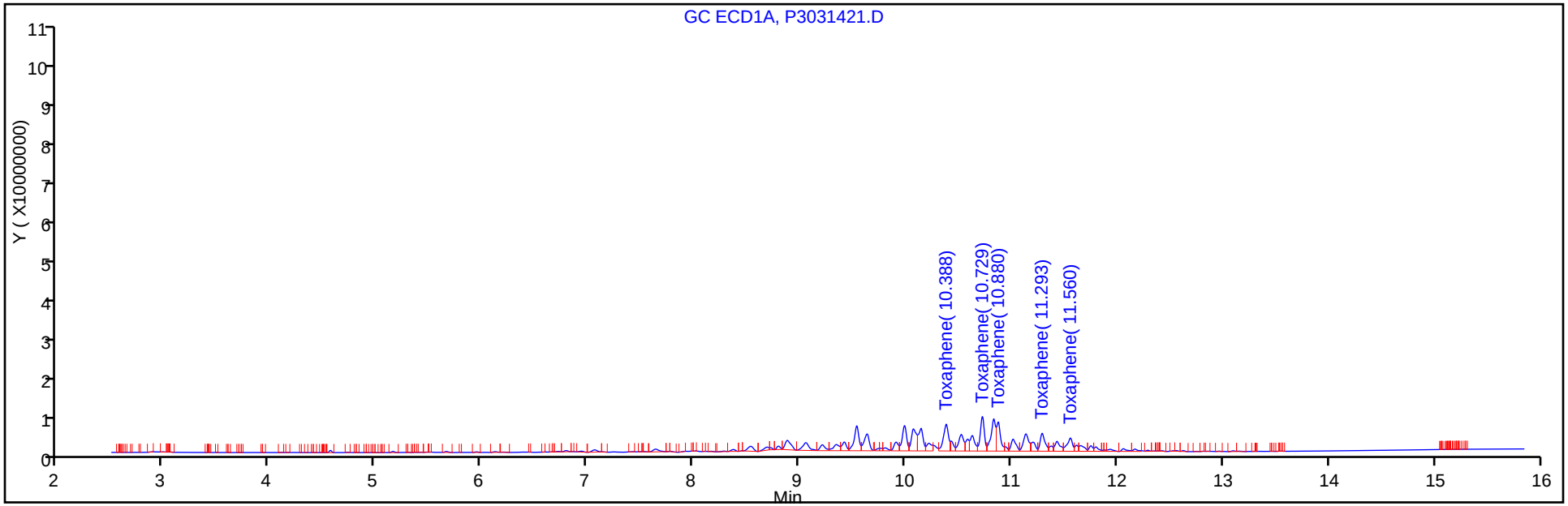
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

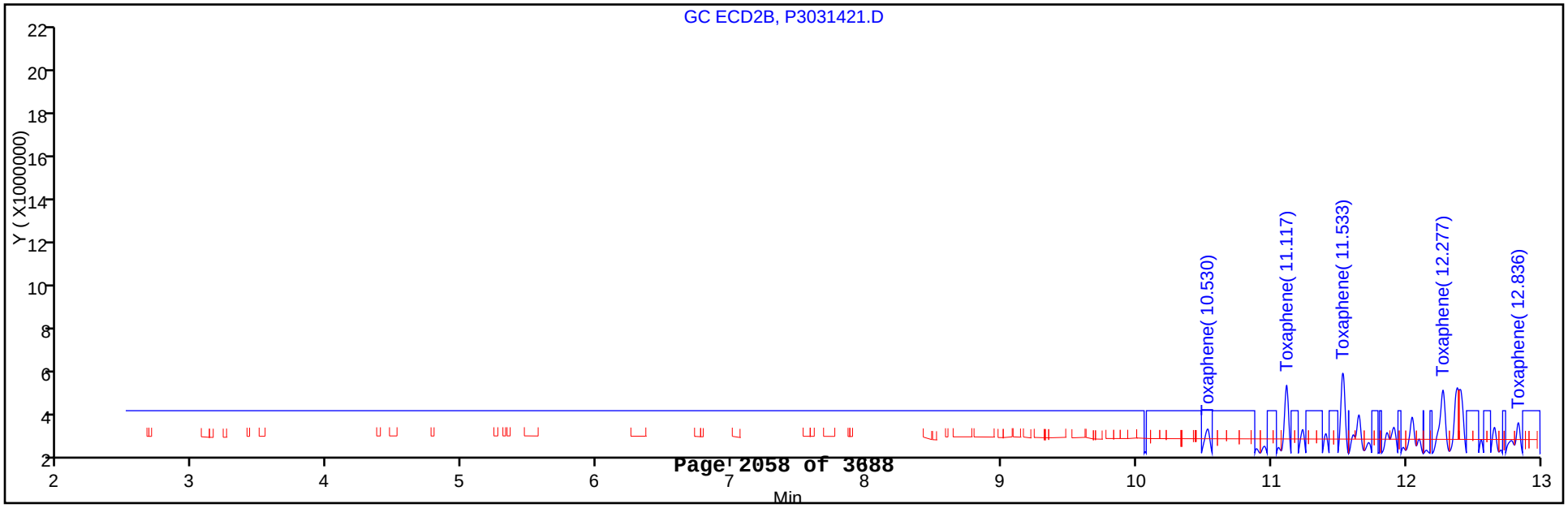
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

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



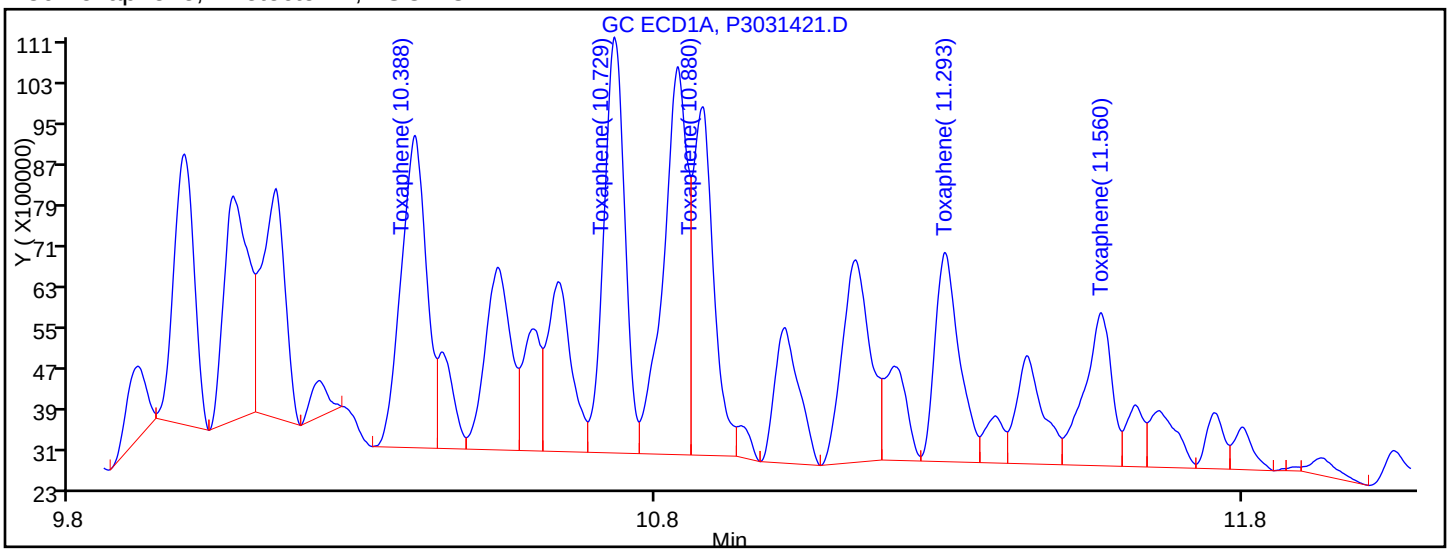
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

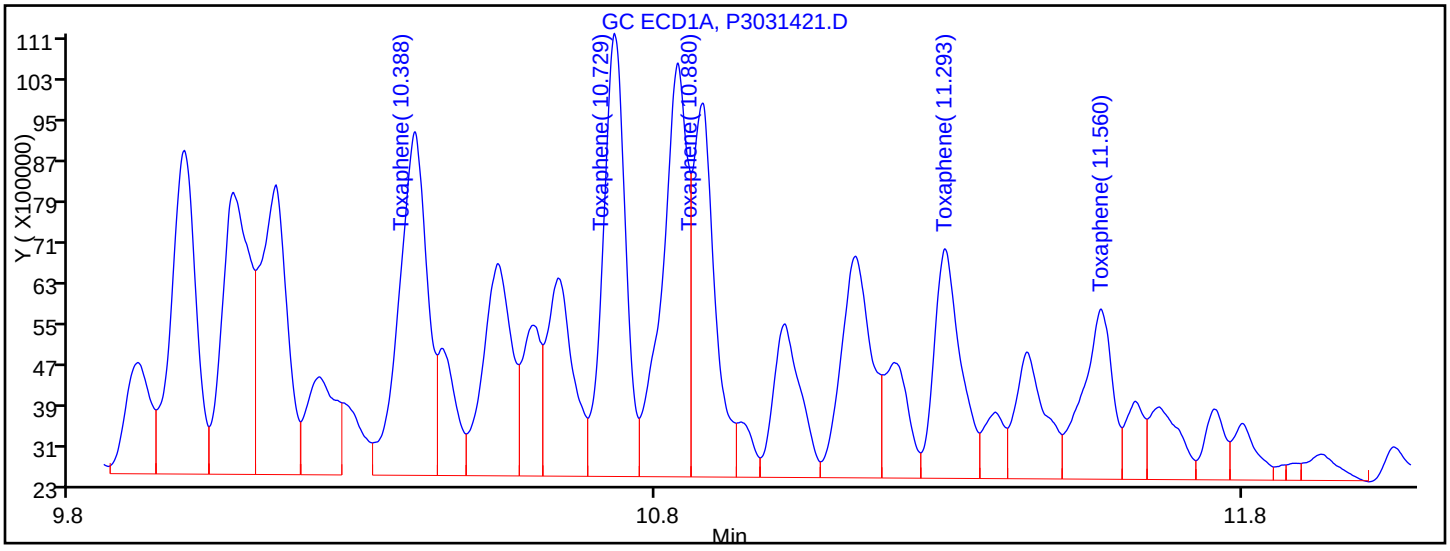
Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

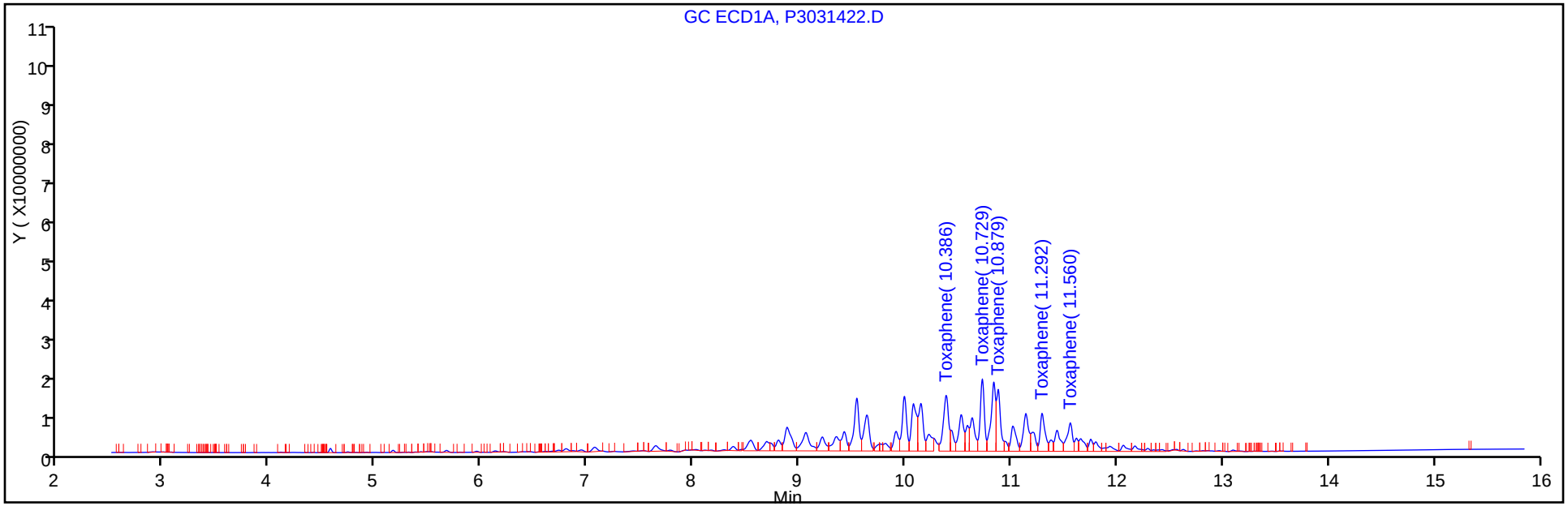
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

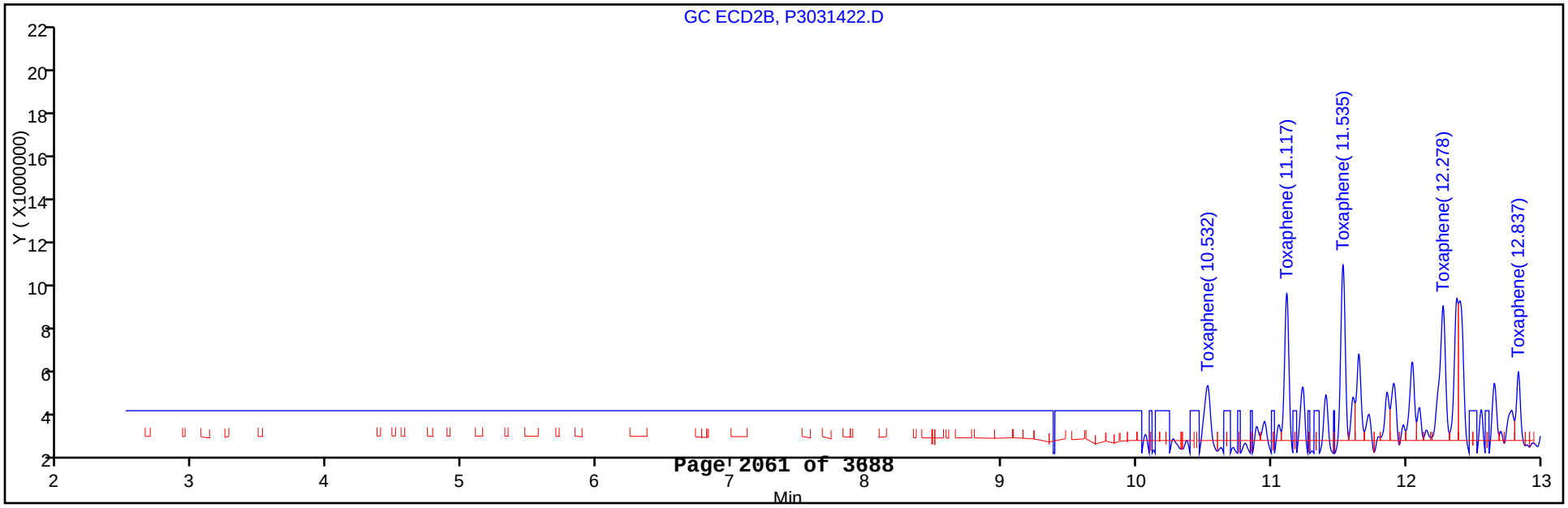
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

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



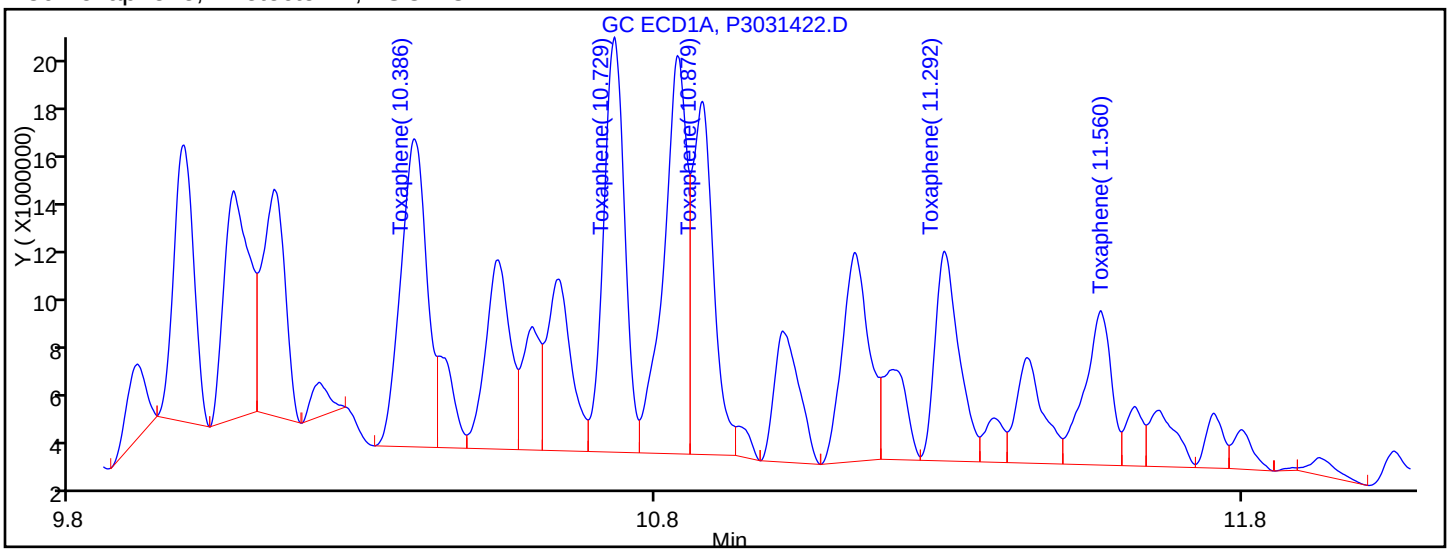
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

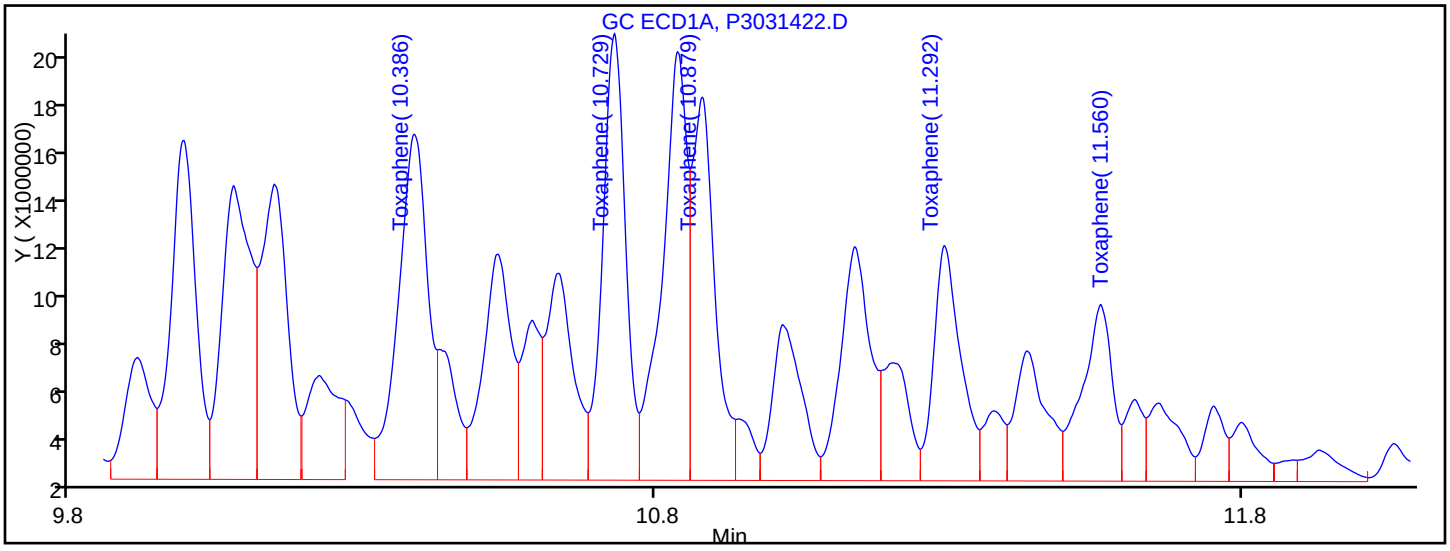
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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			

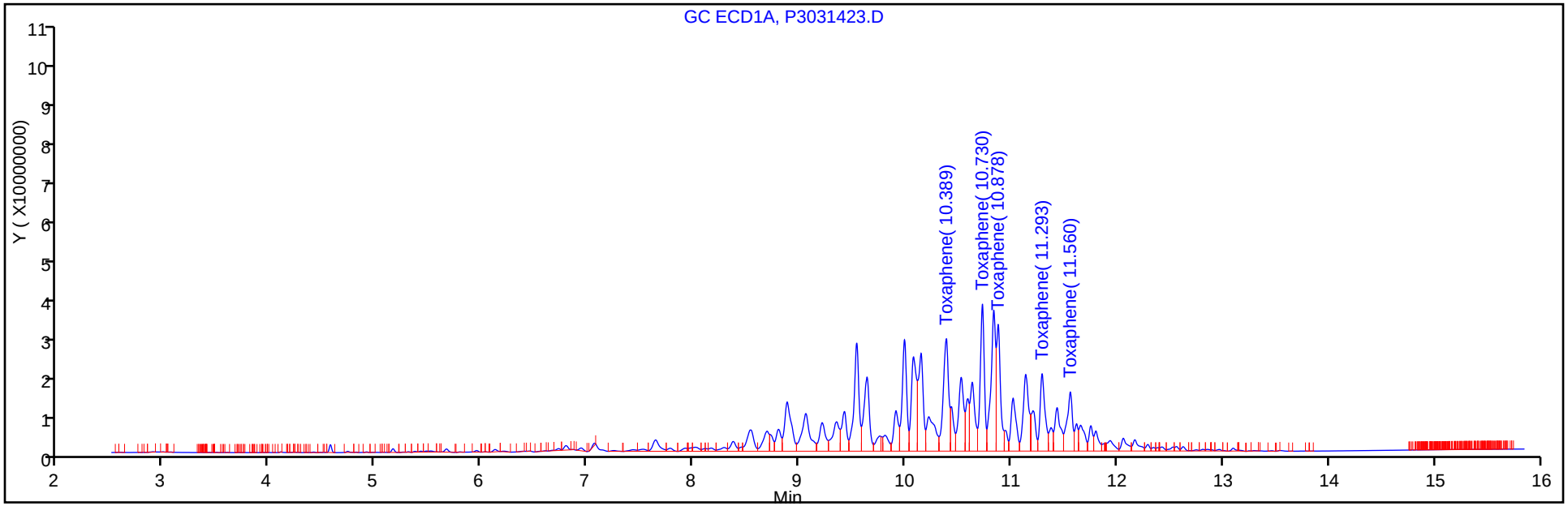
Report Date: 15-Mar-2013 07:54:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

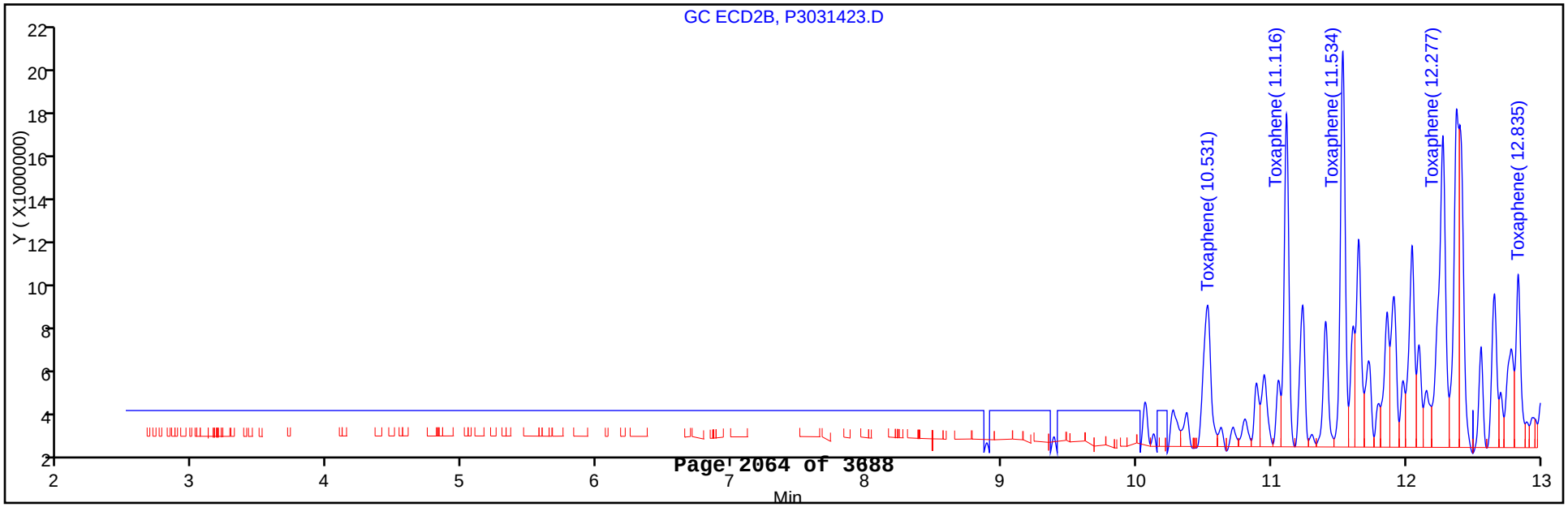
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

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

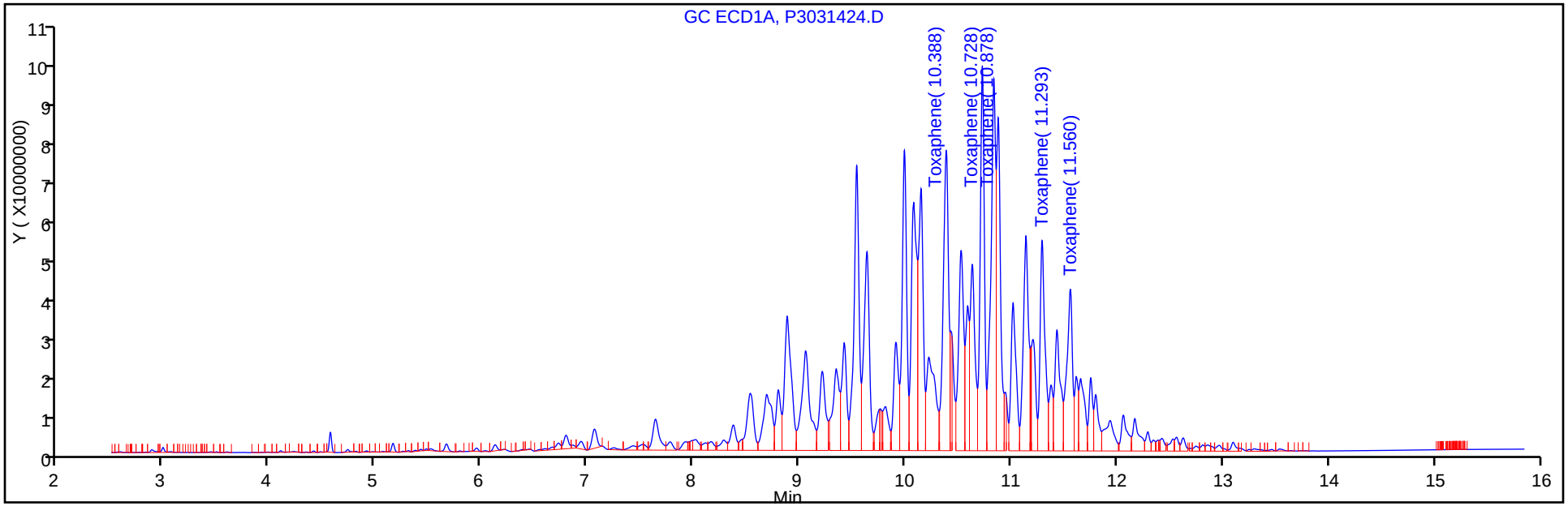
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

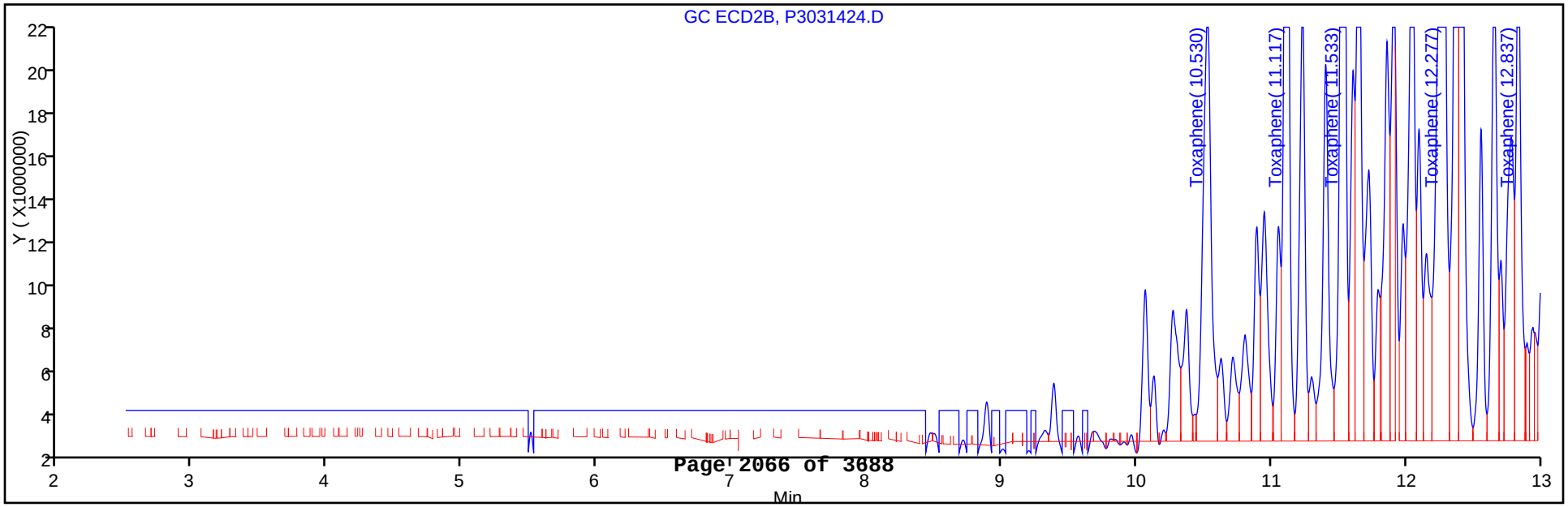
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

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



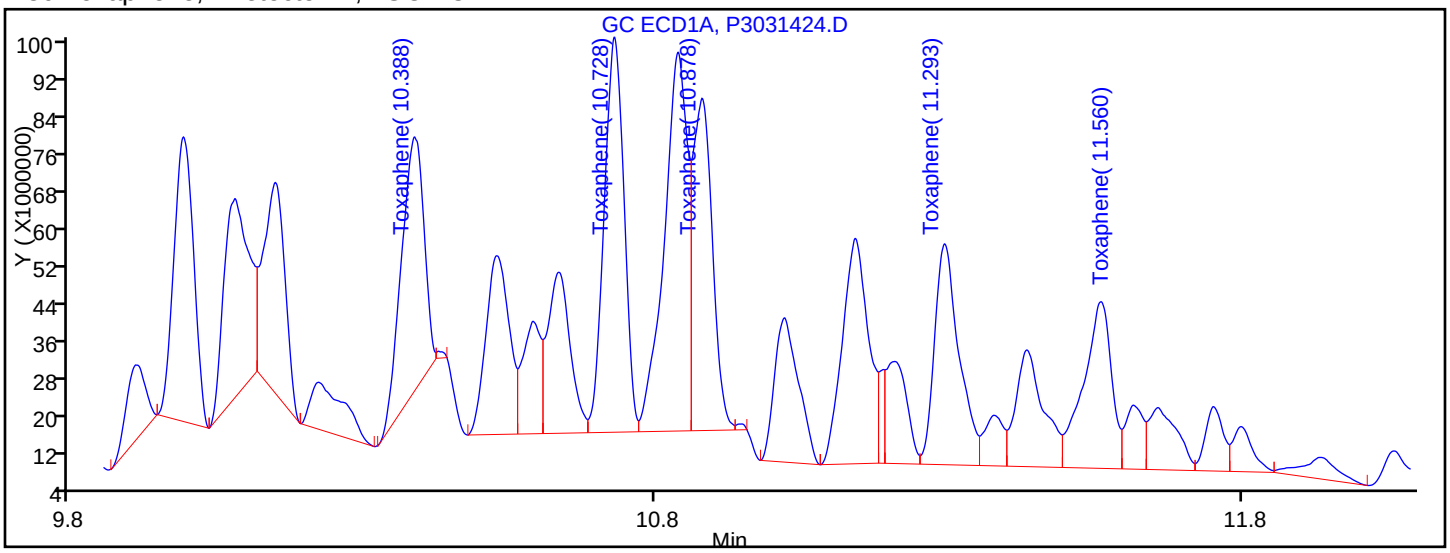
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

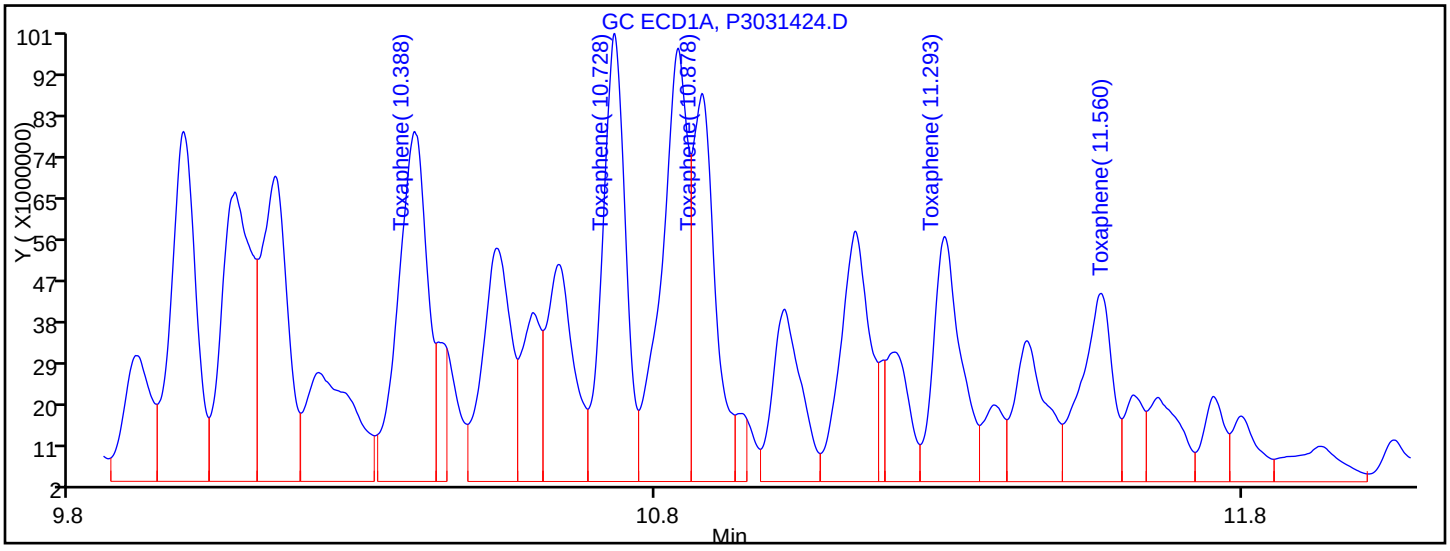
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

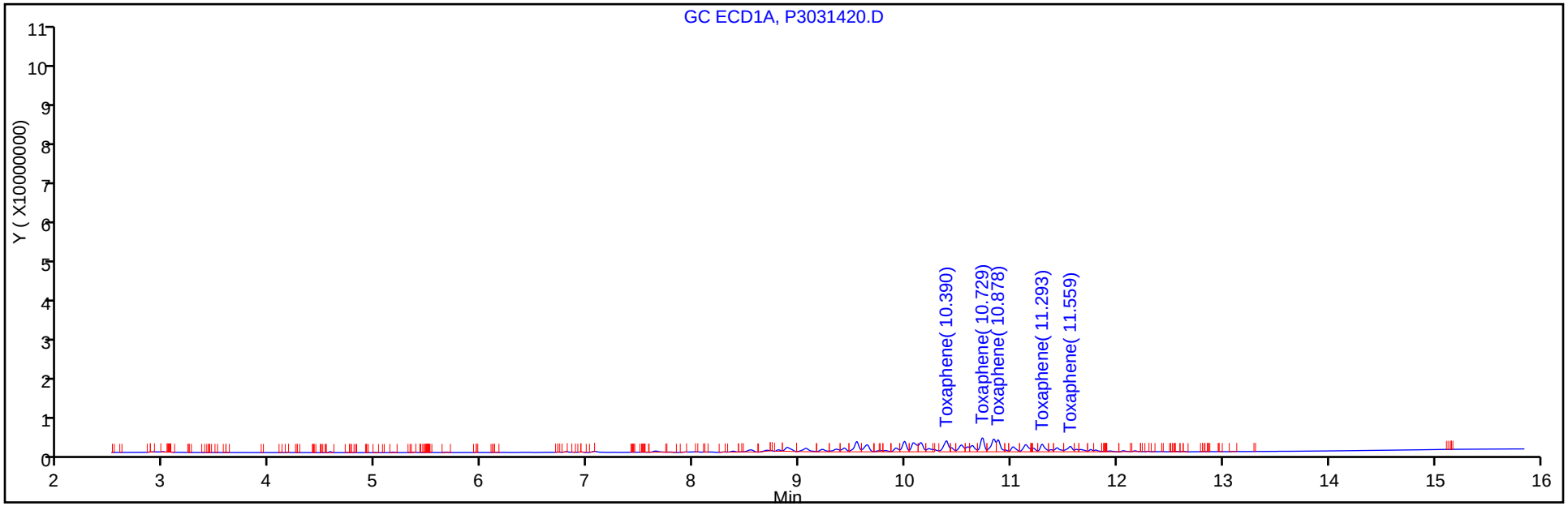
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

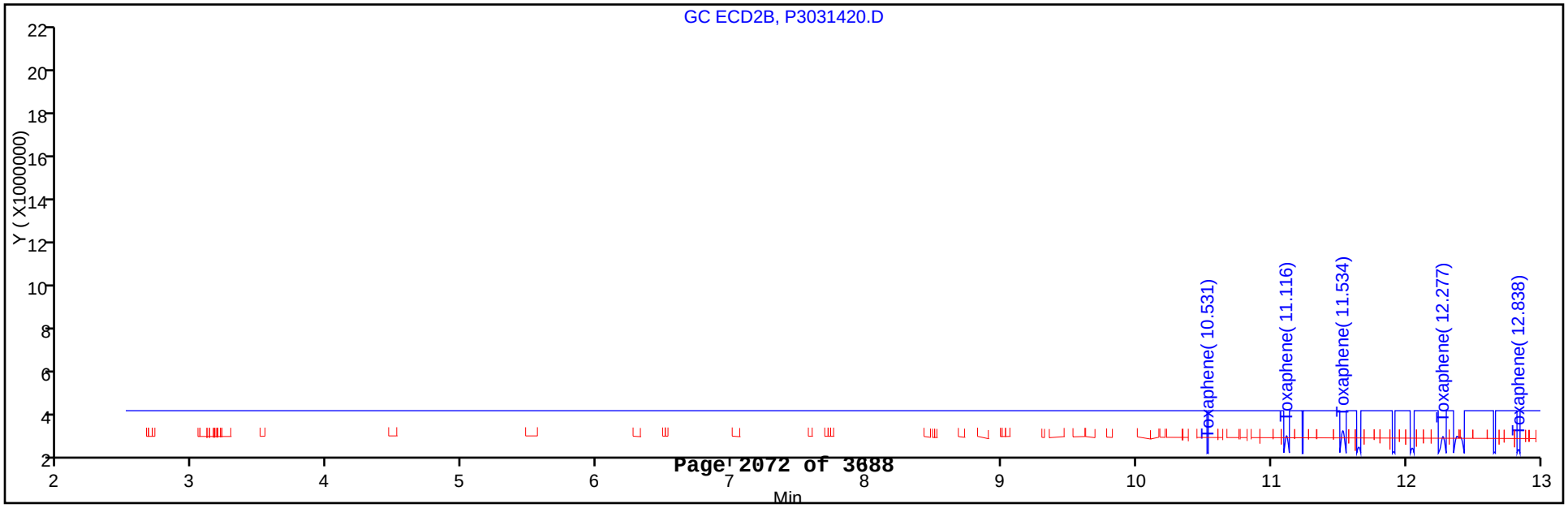
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

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



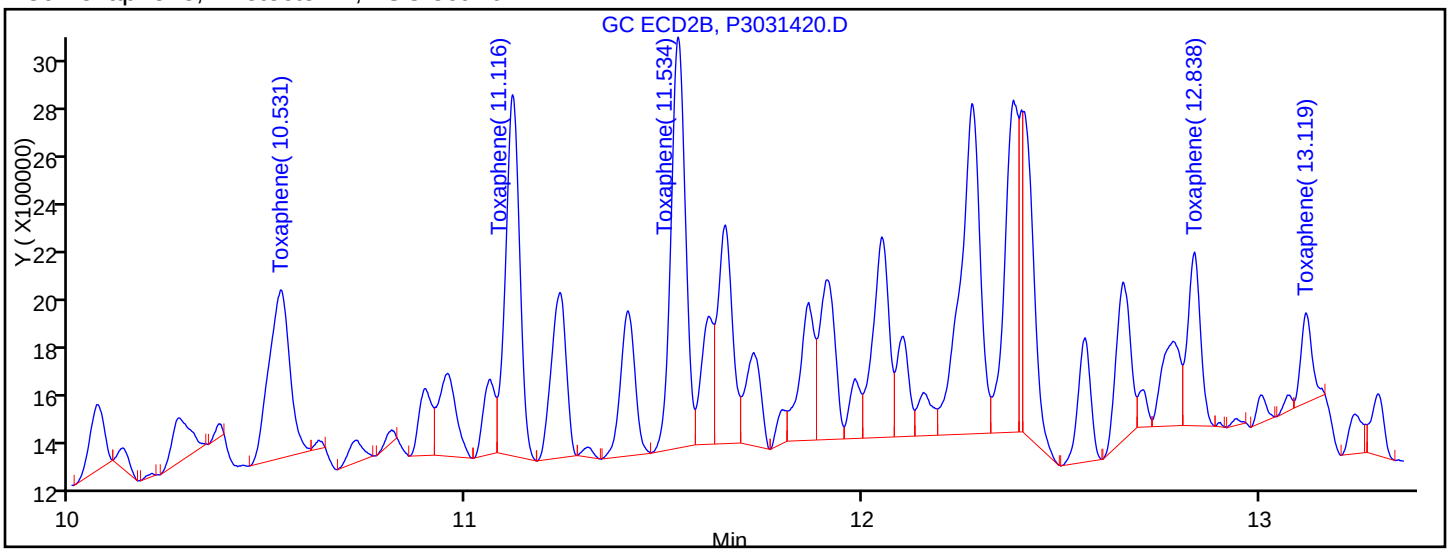
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

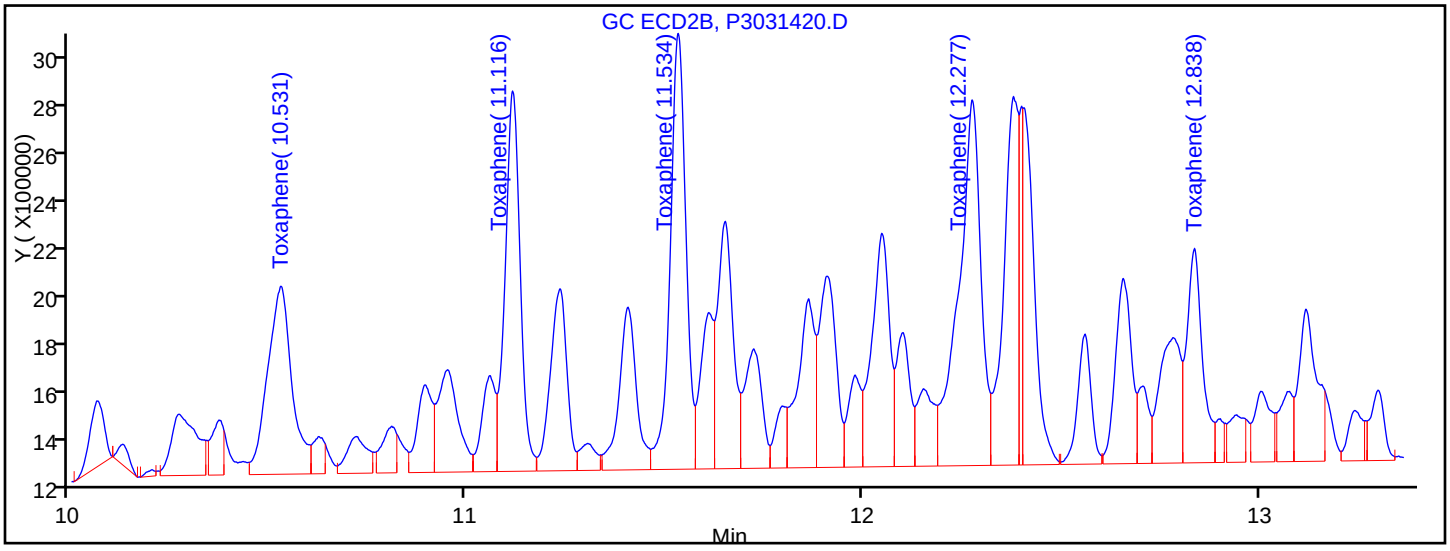
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

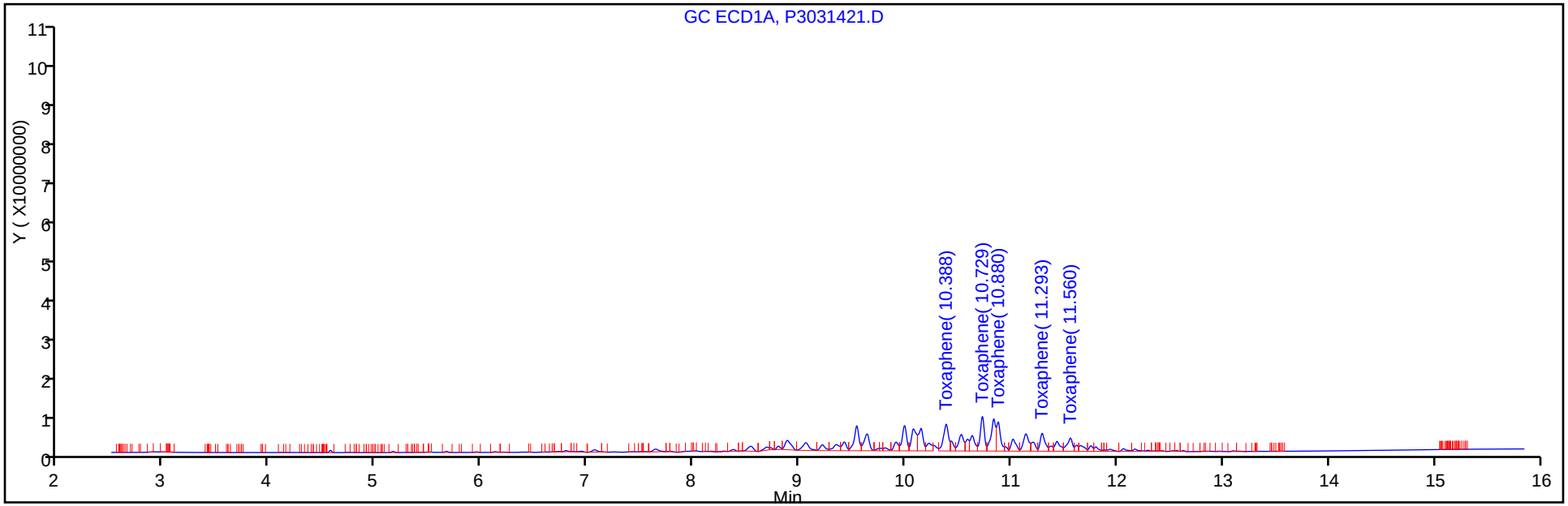
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

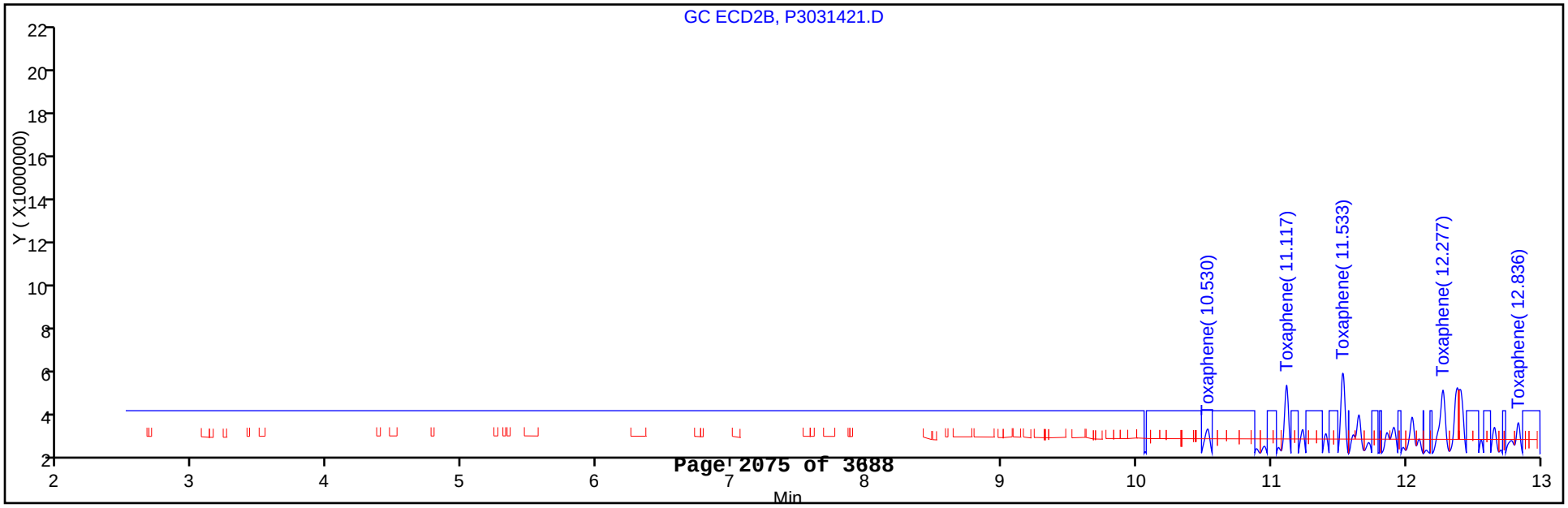
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

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

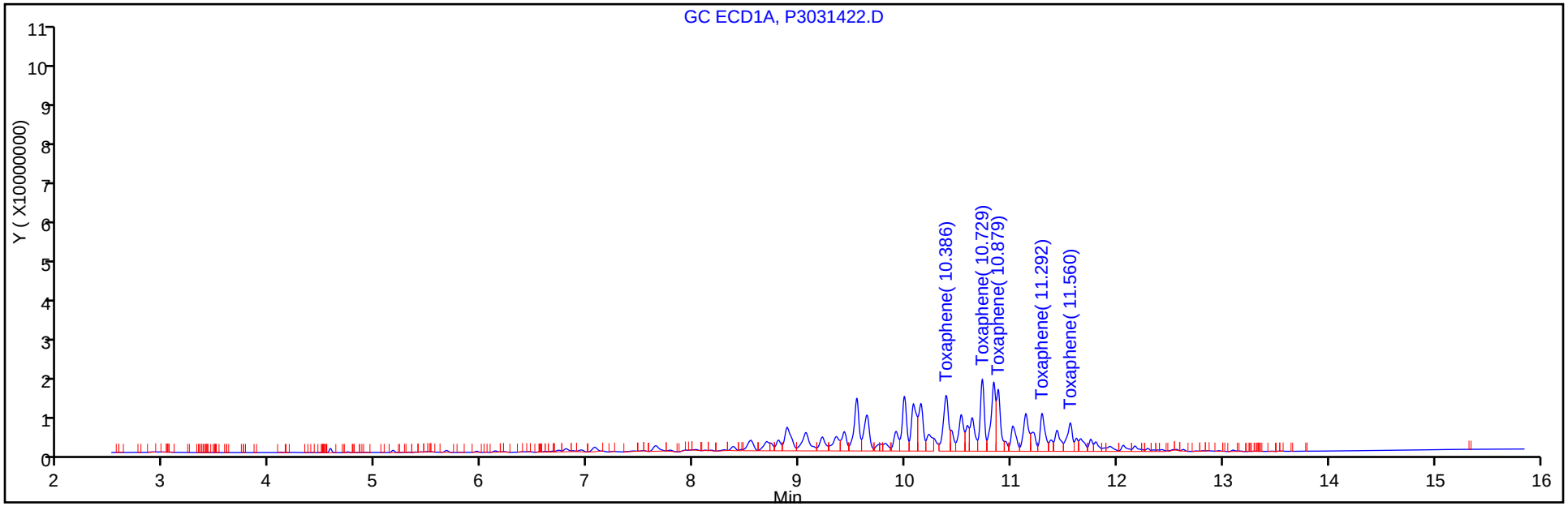
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

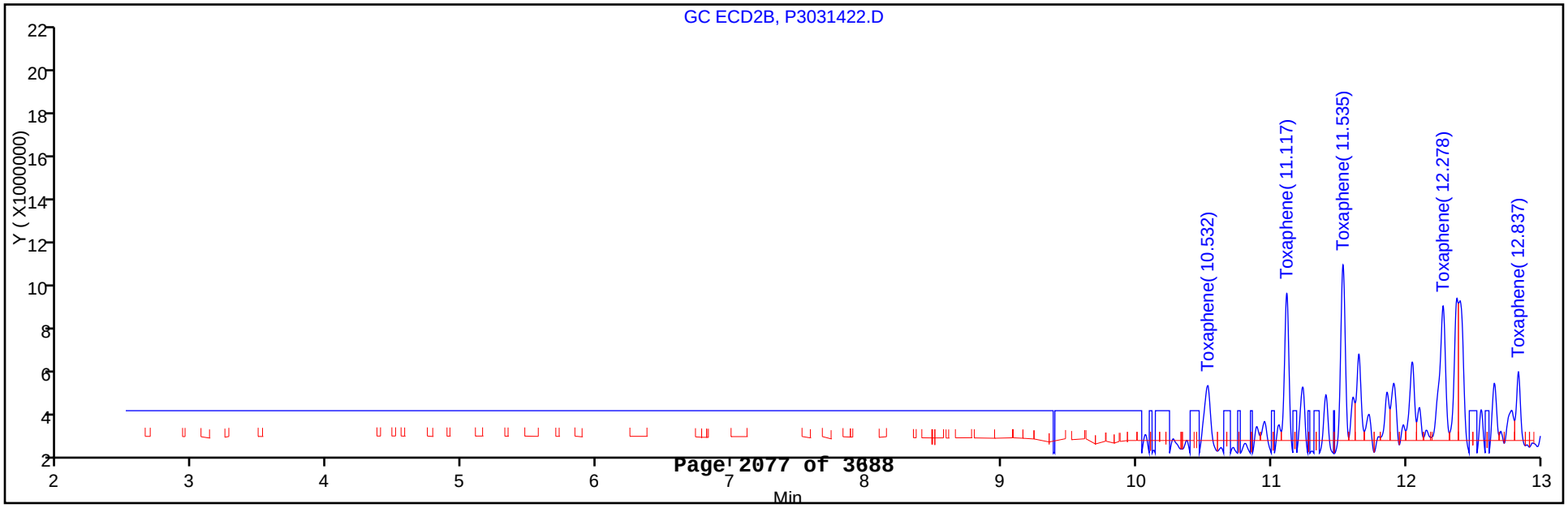
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

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



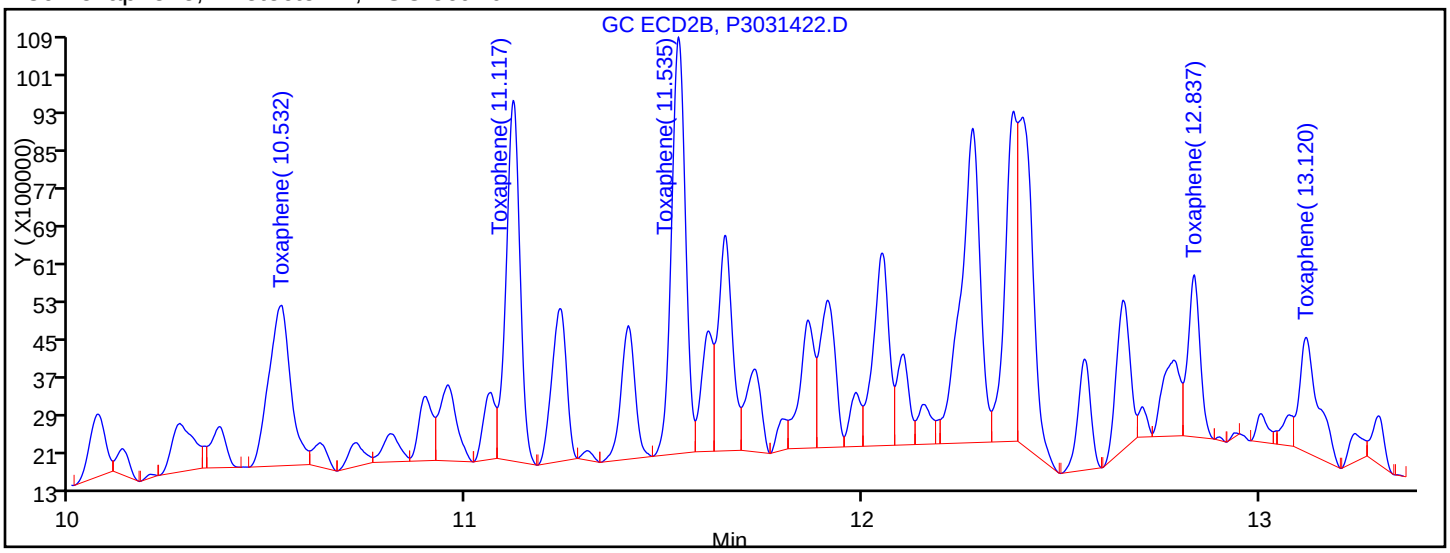
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

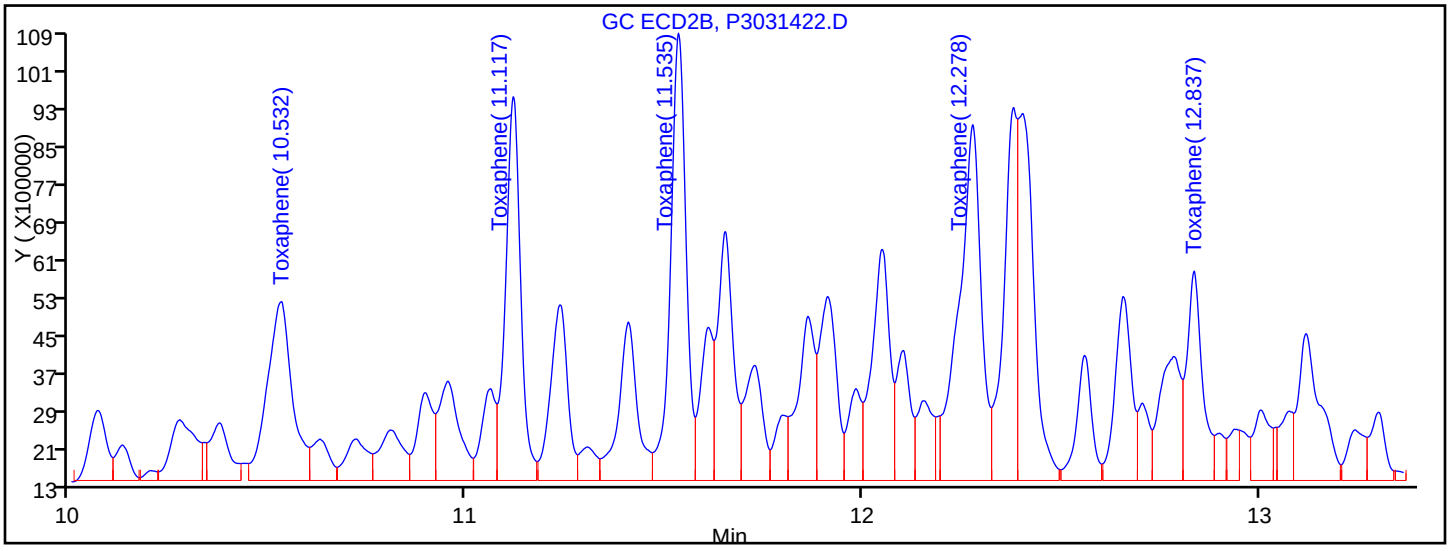
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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			

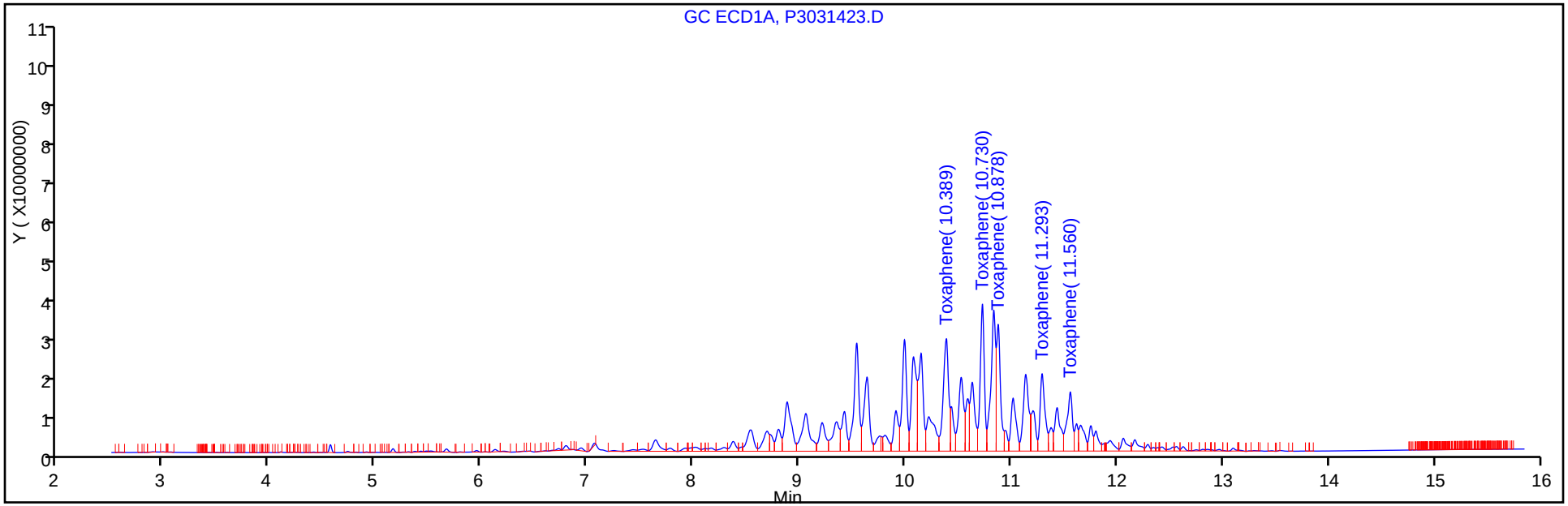
Report Date: 15-Mar-2013 07:54:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

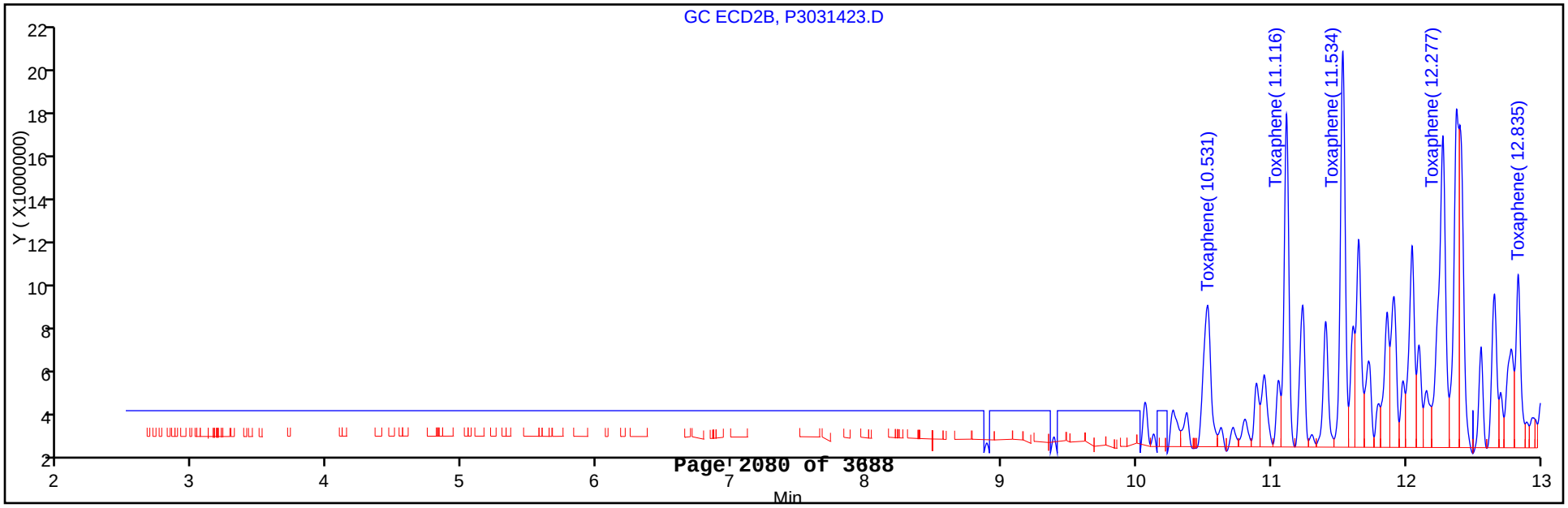
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

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

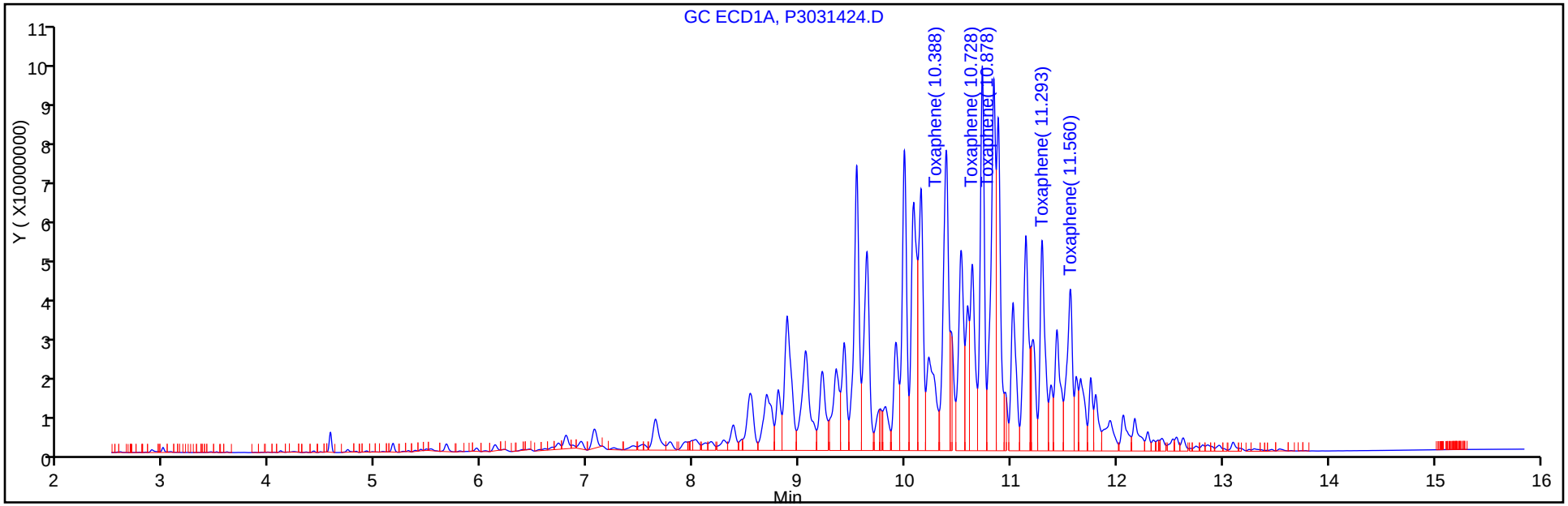
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

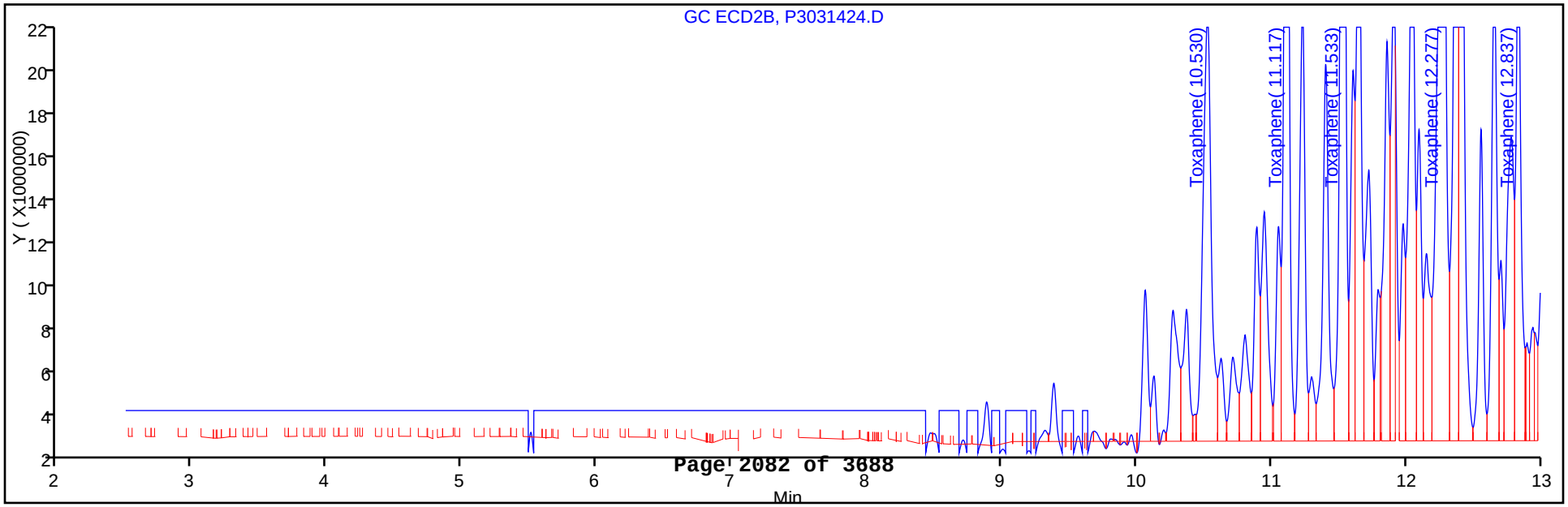
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

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



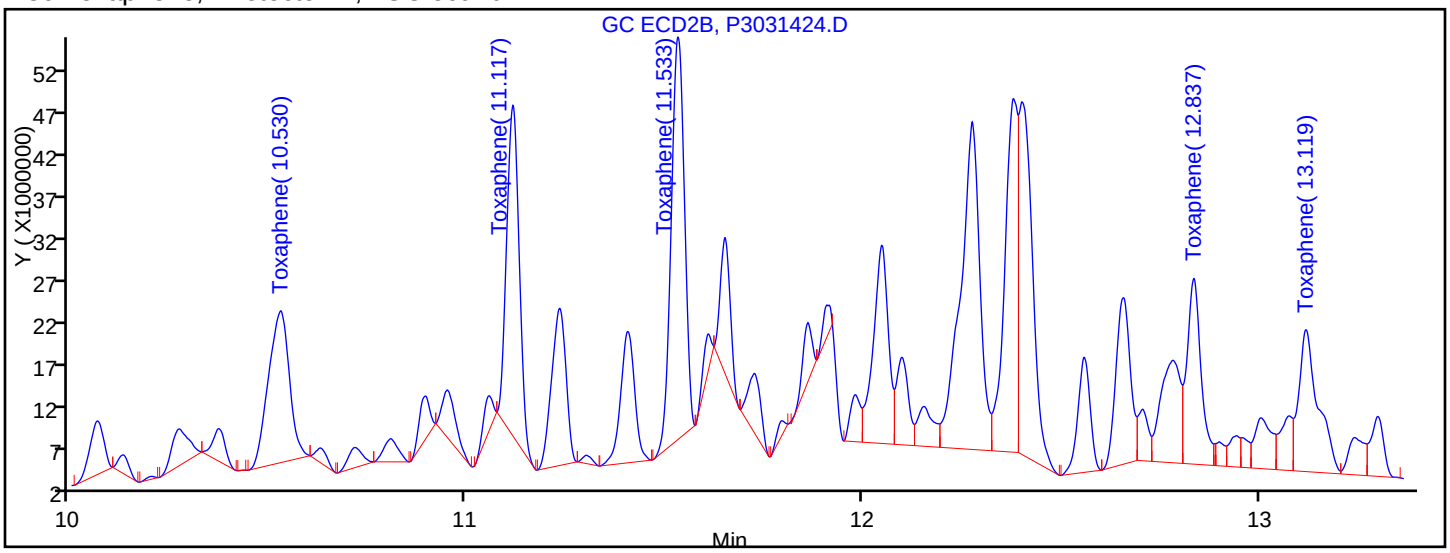
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

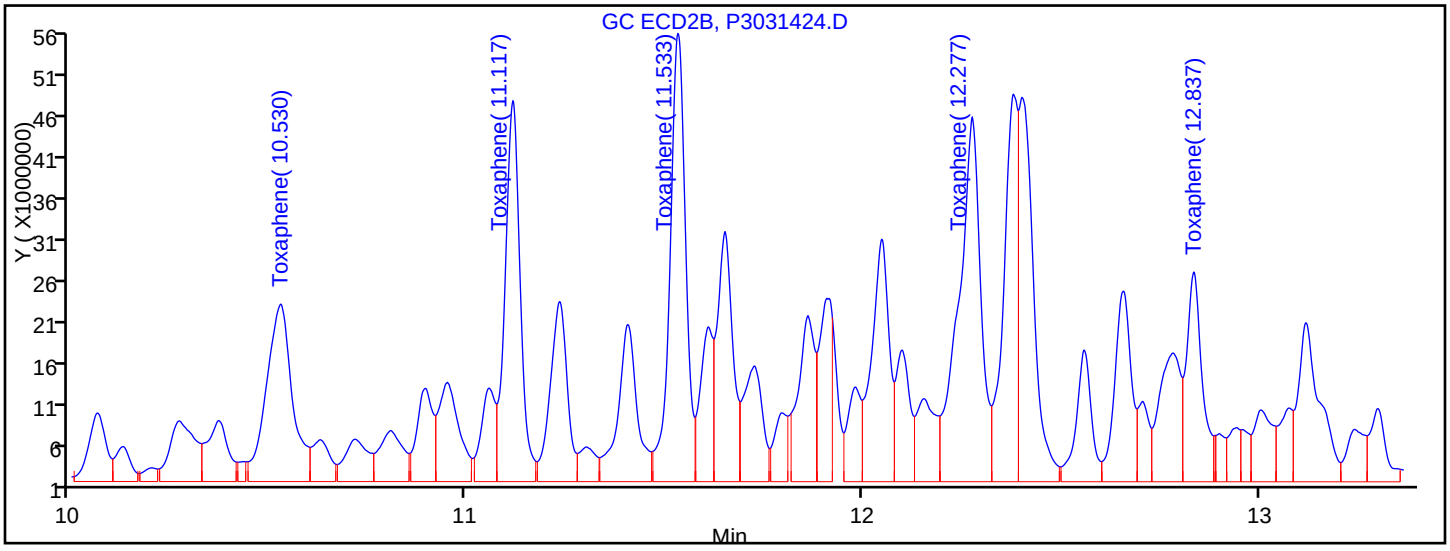
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

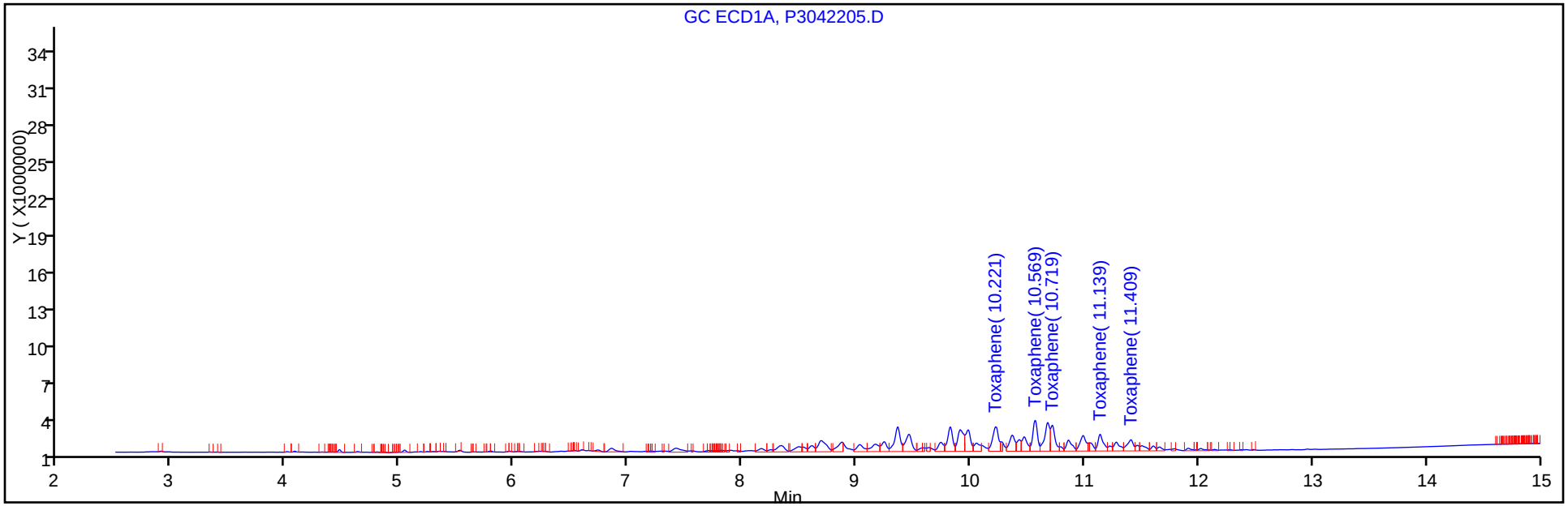
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

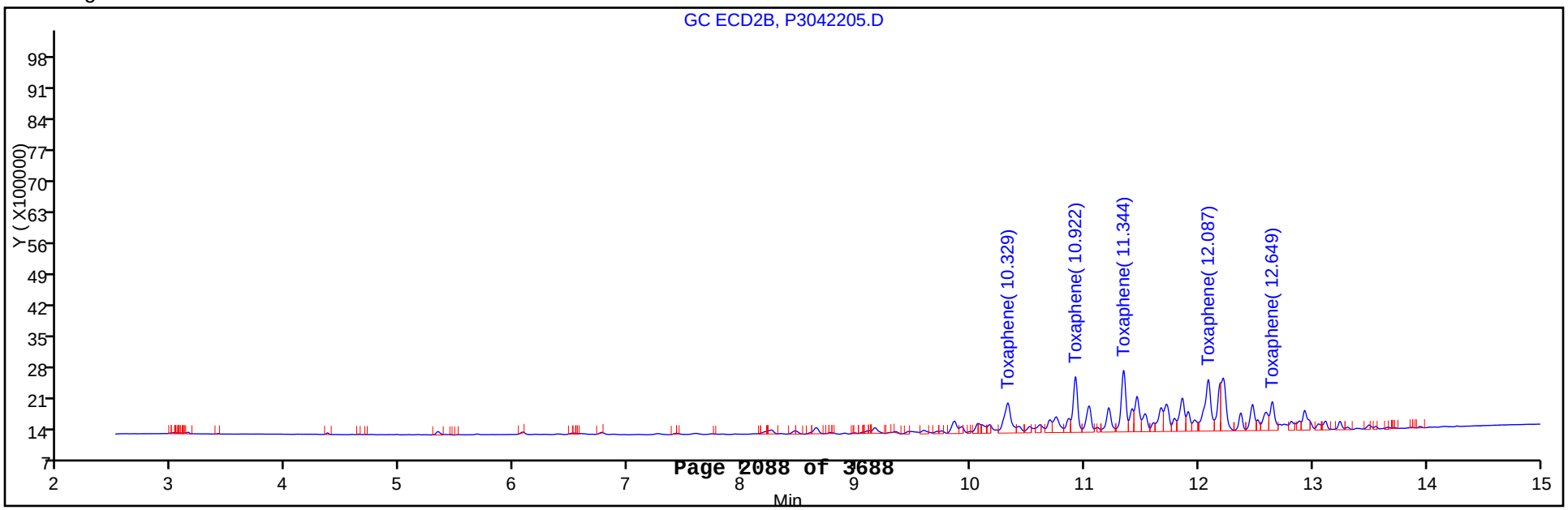
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

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



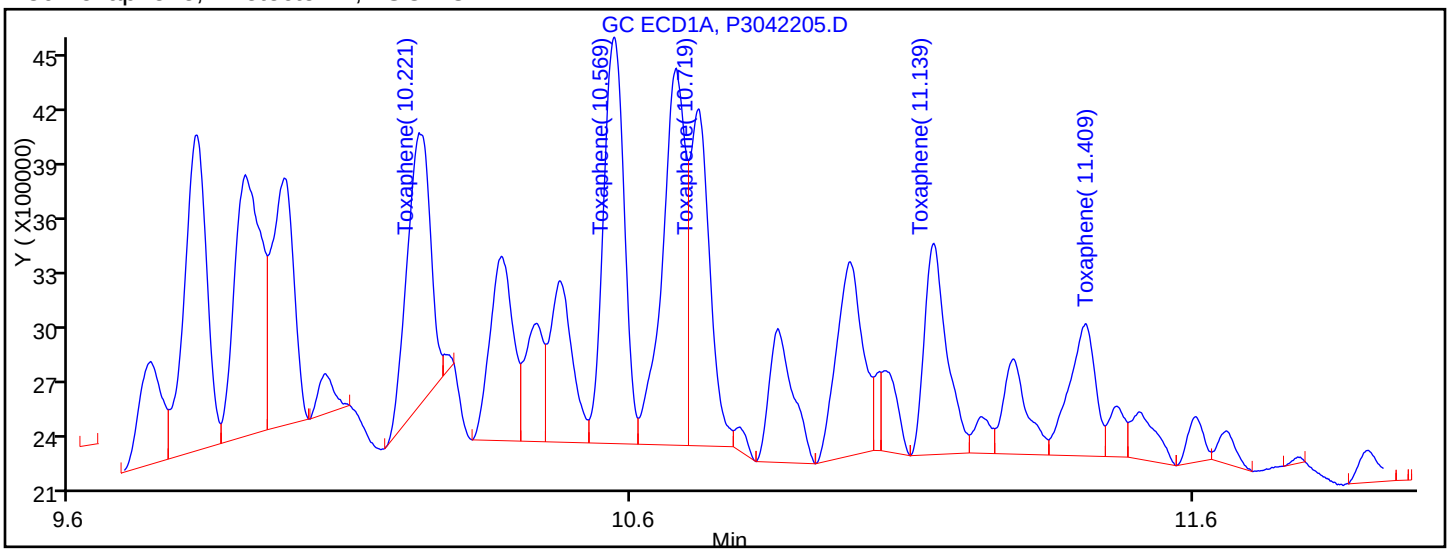
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

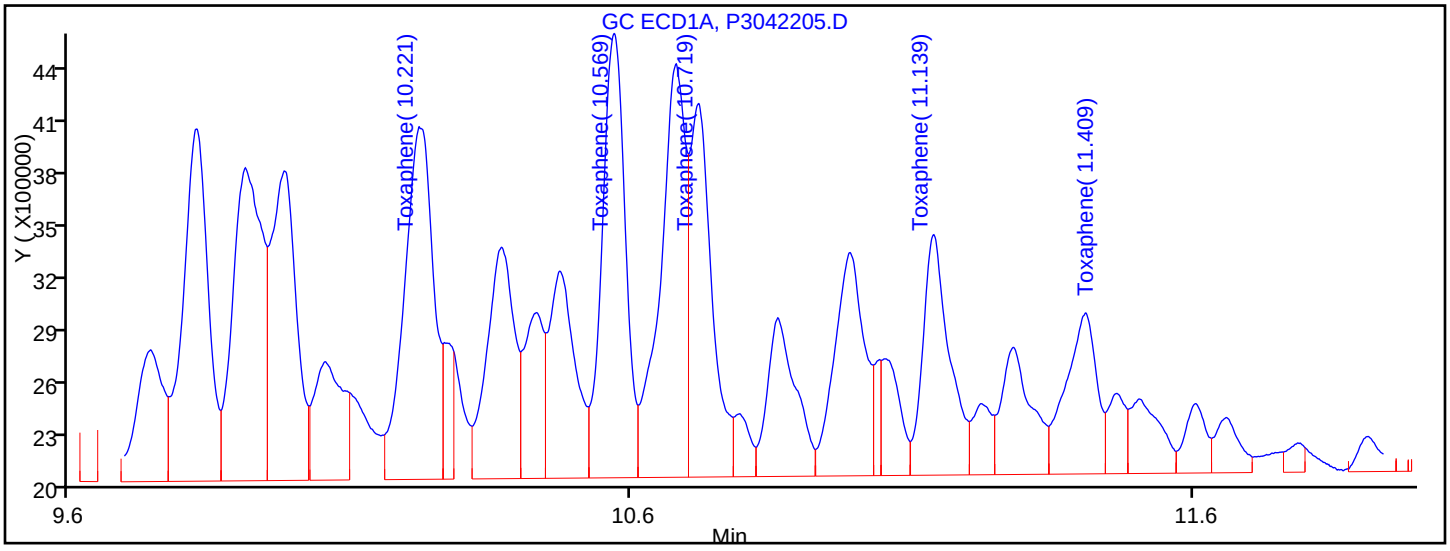
Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

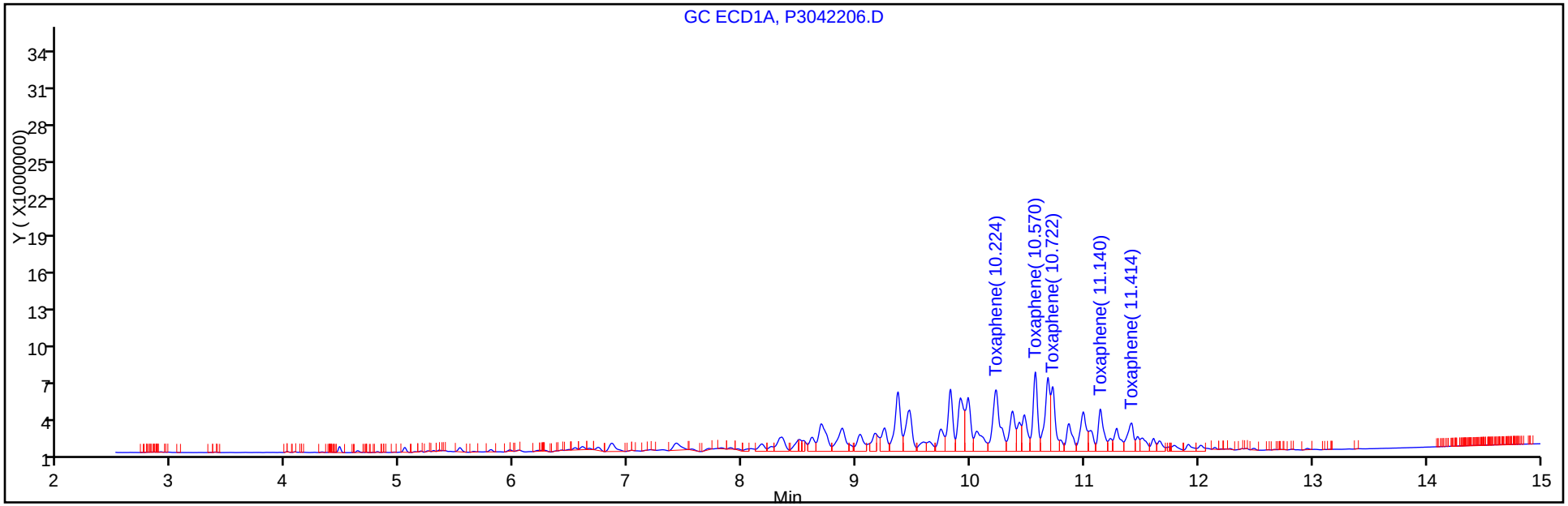
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

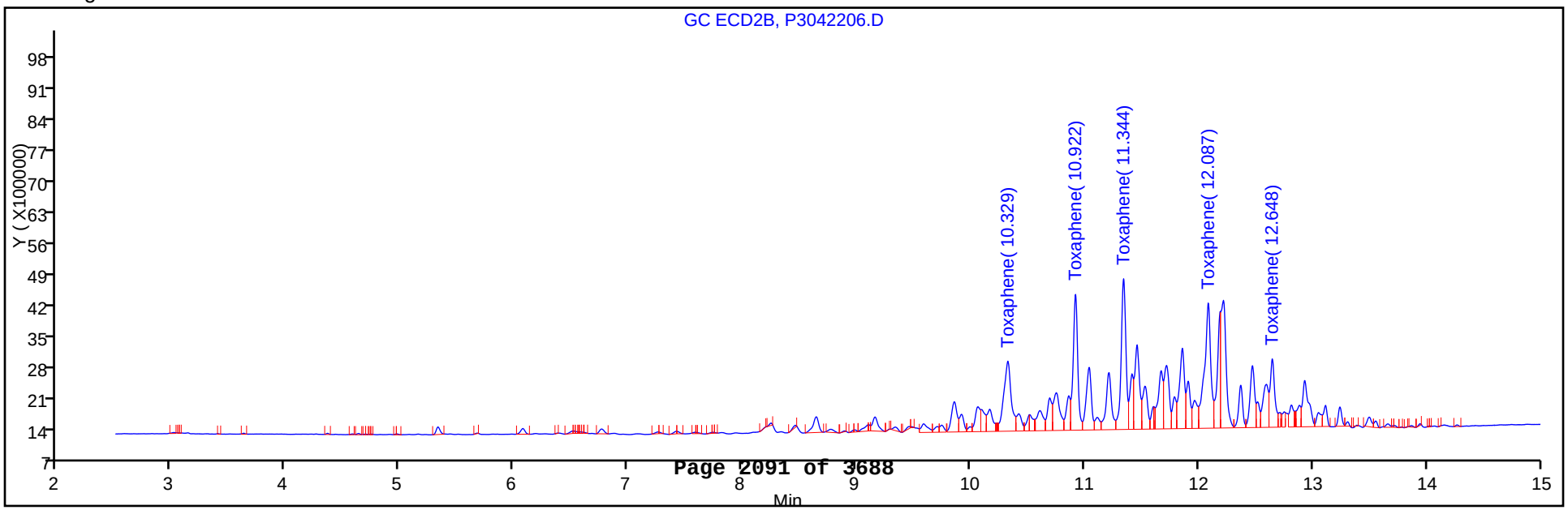
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

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



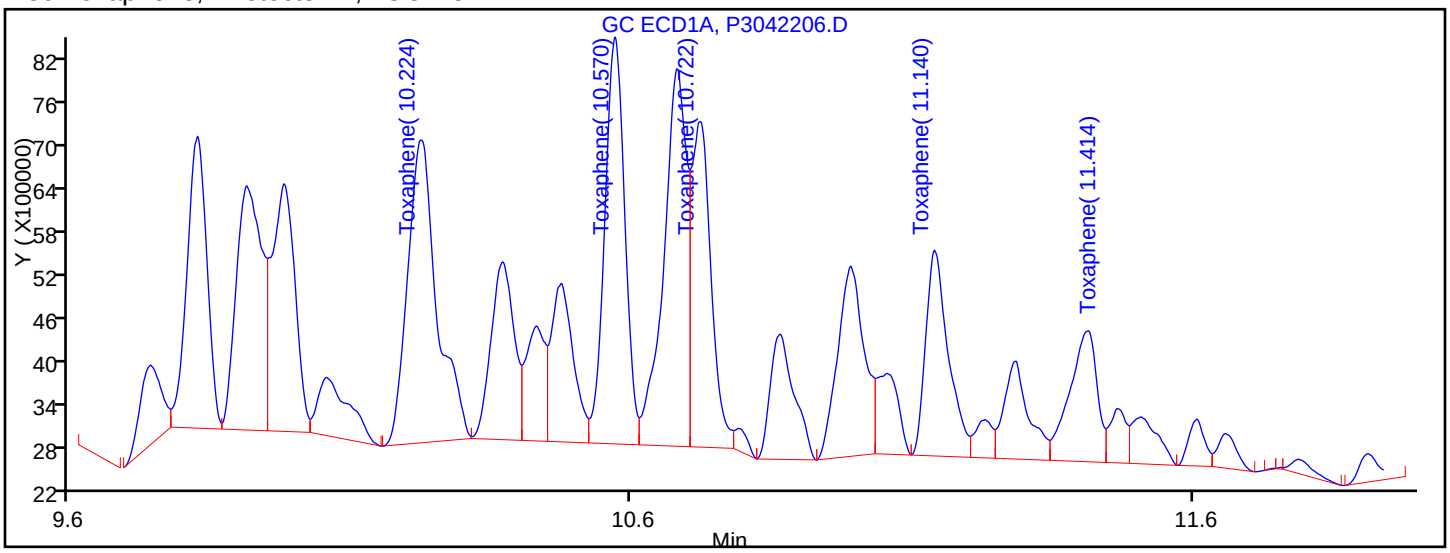
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

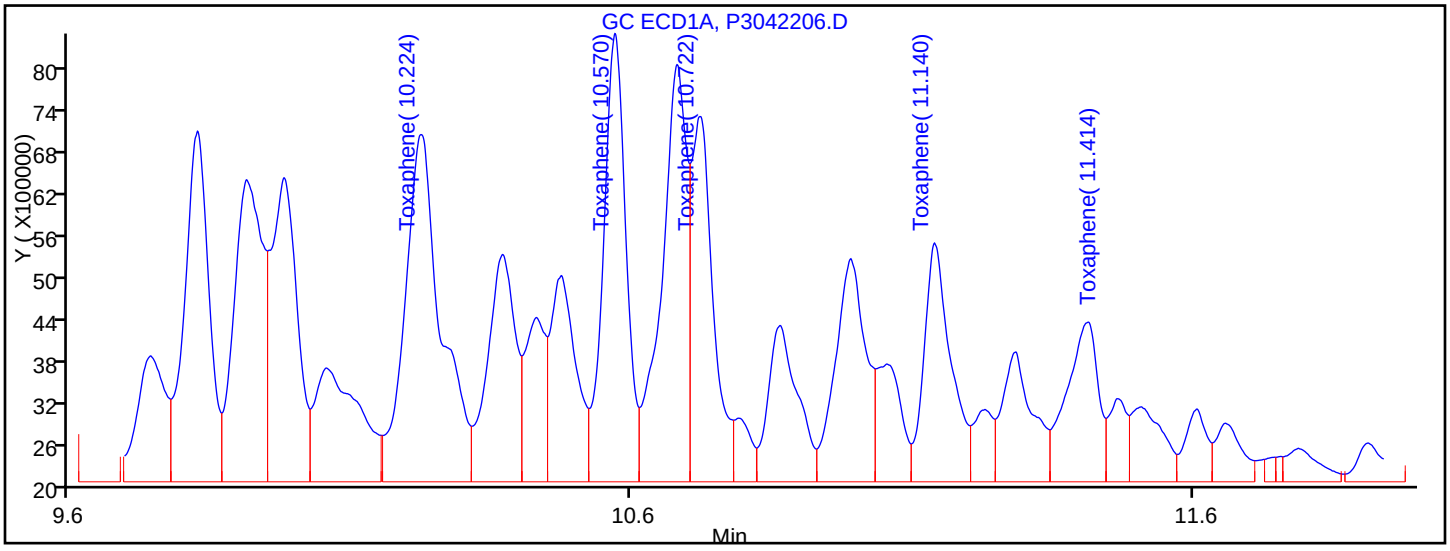
Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

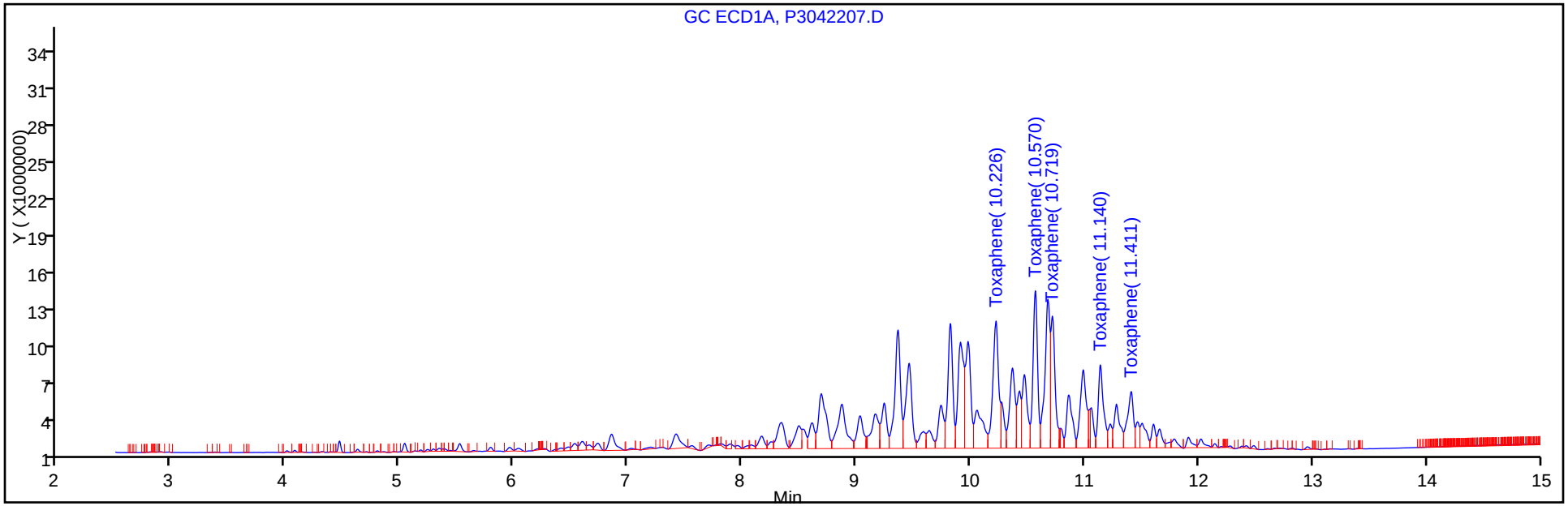
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

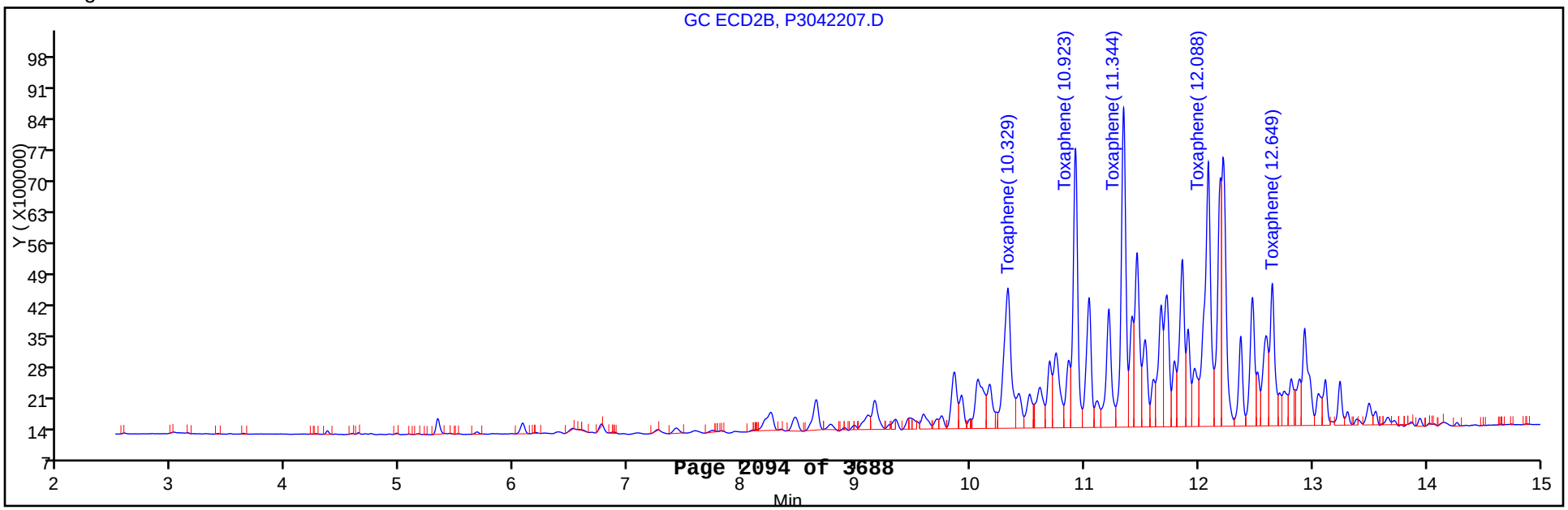
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

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



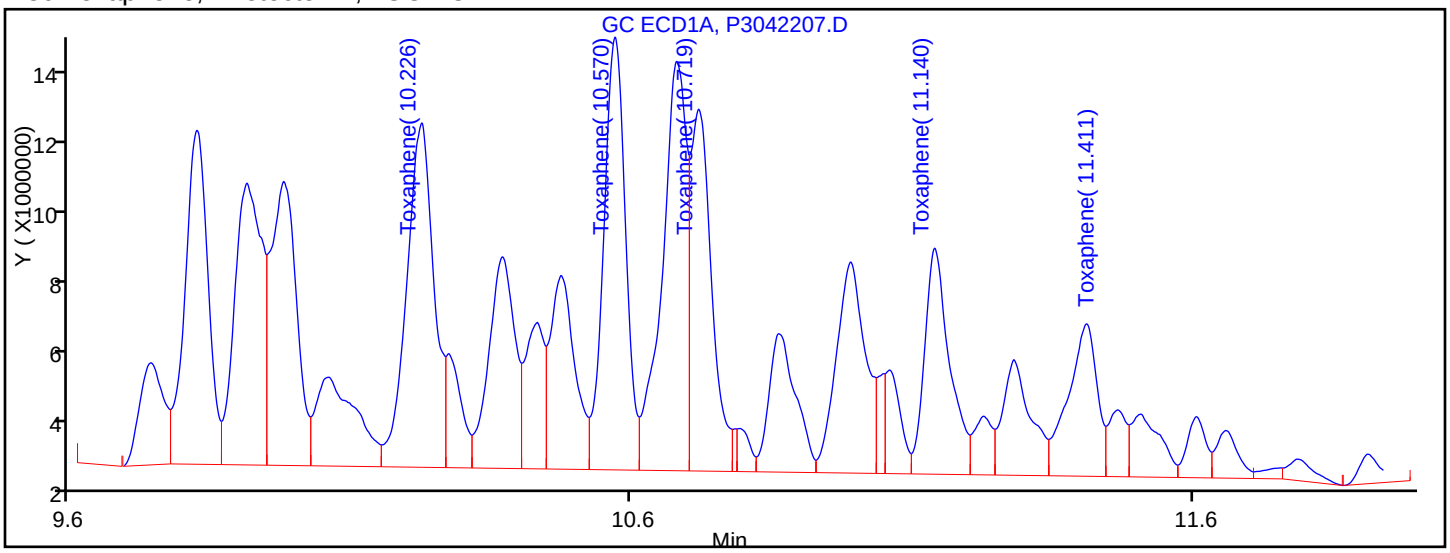
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

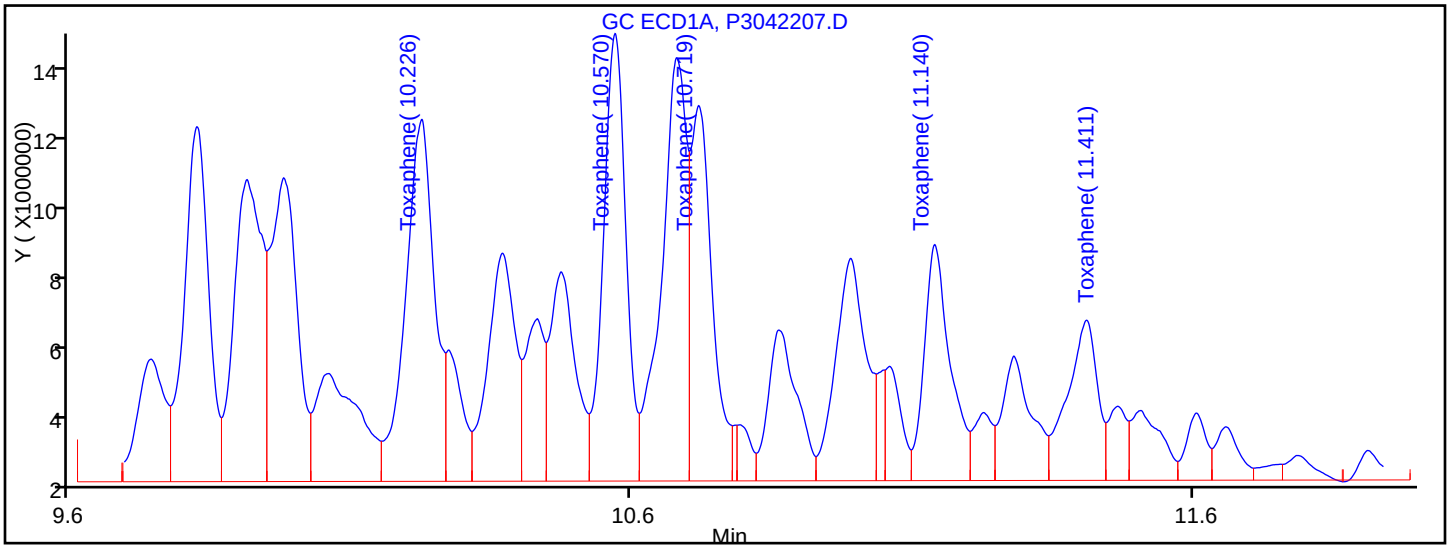
Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 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

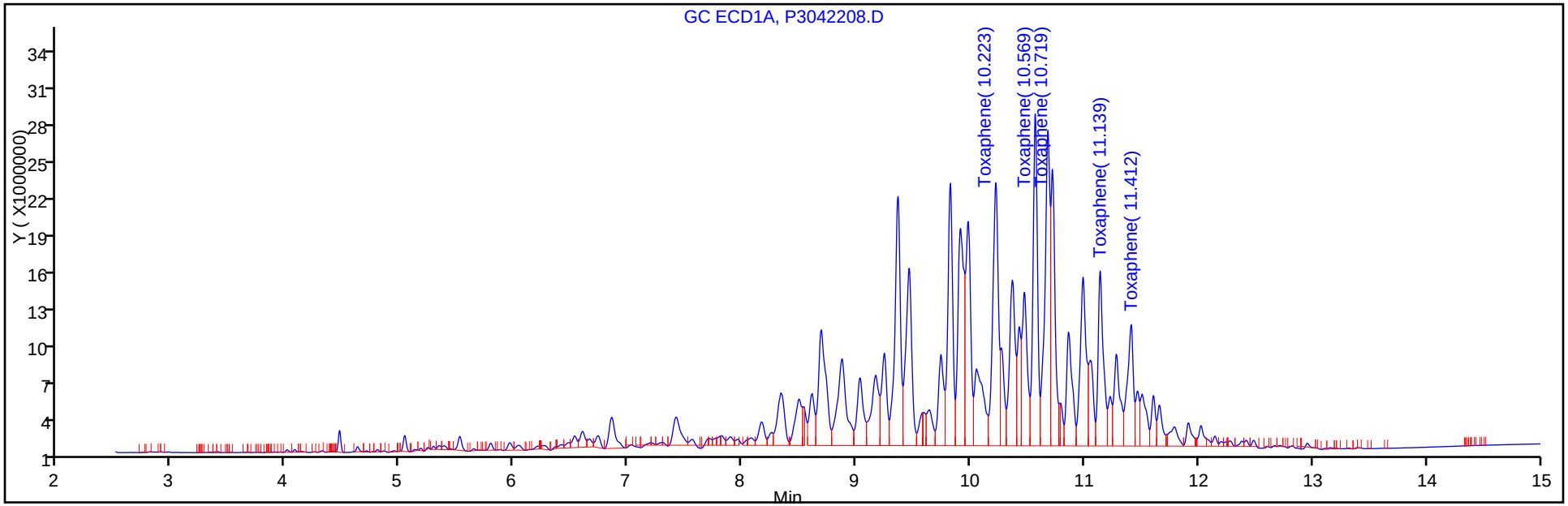
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

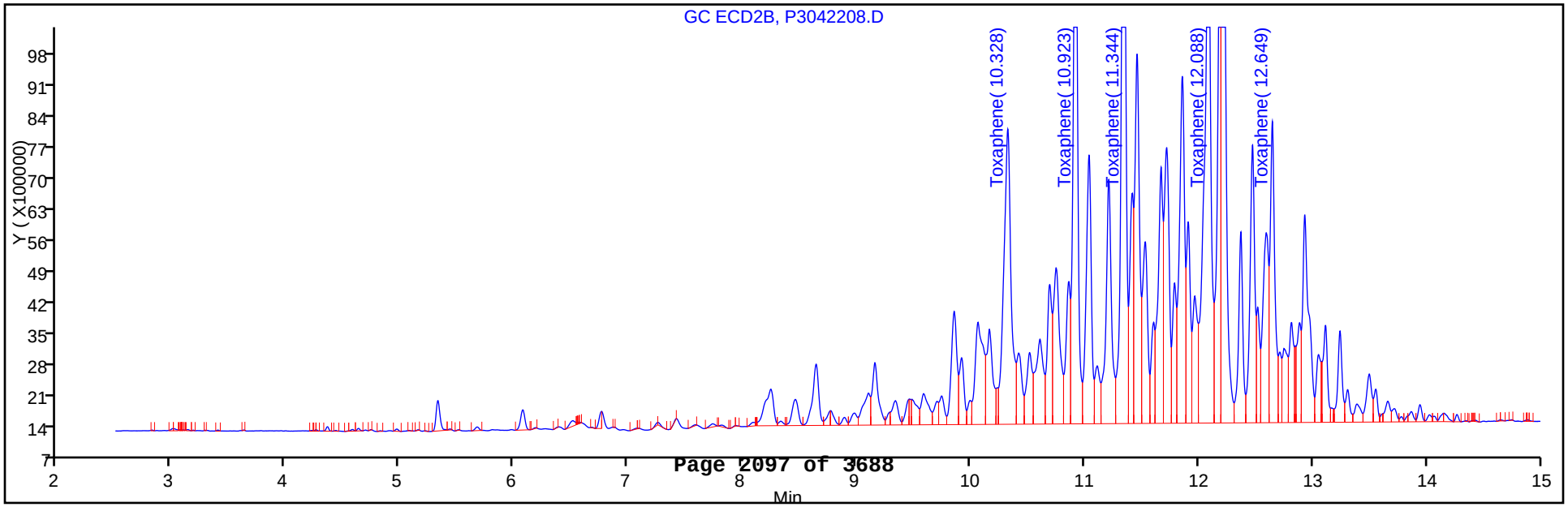
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

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



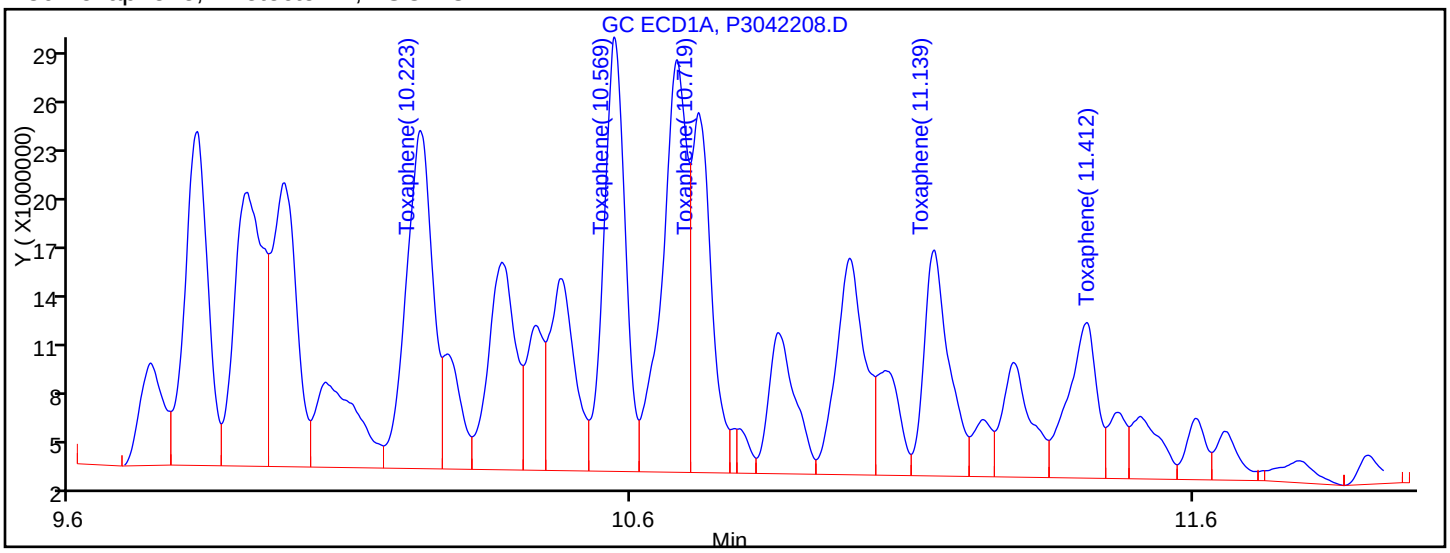
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

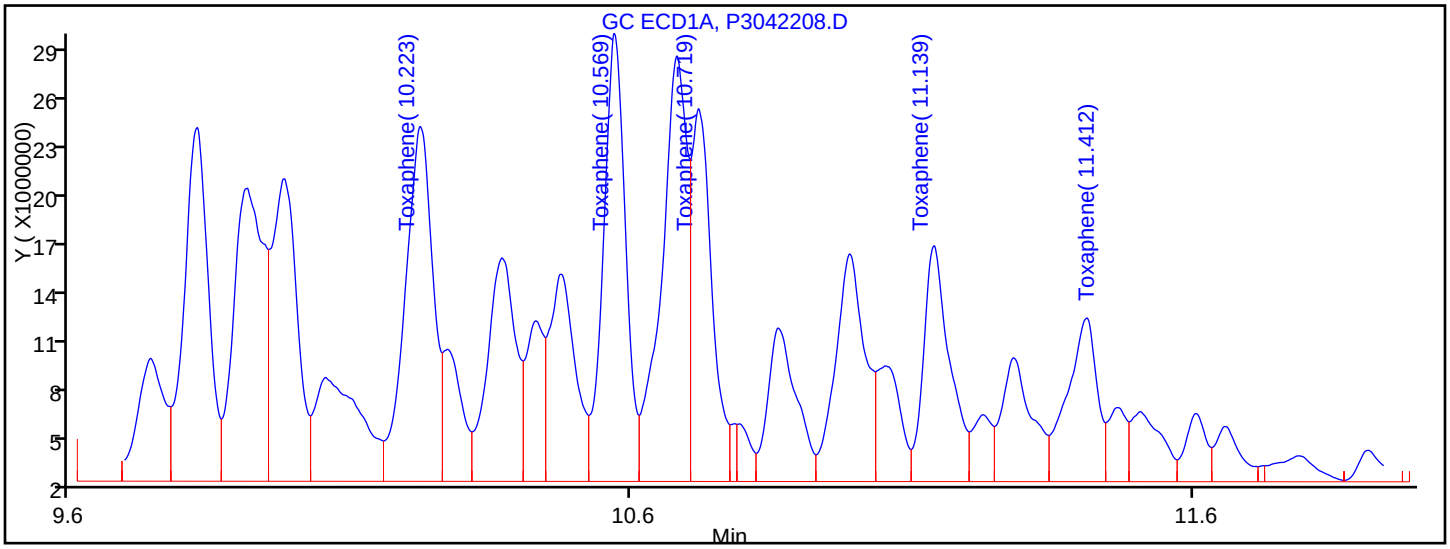
Injection Date:	22-Apr-2013 19:52:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	8
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

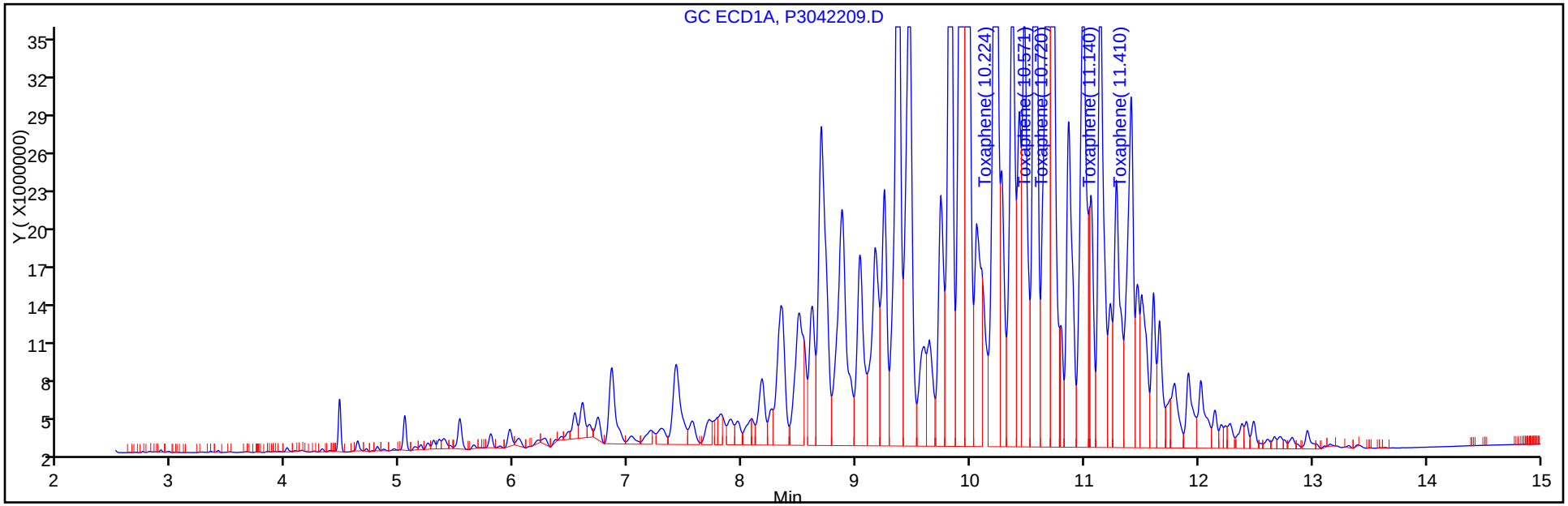
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

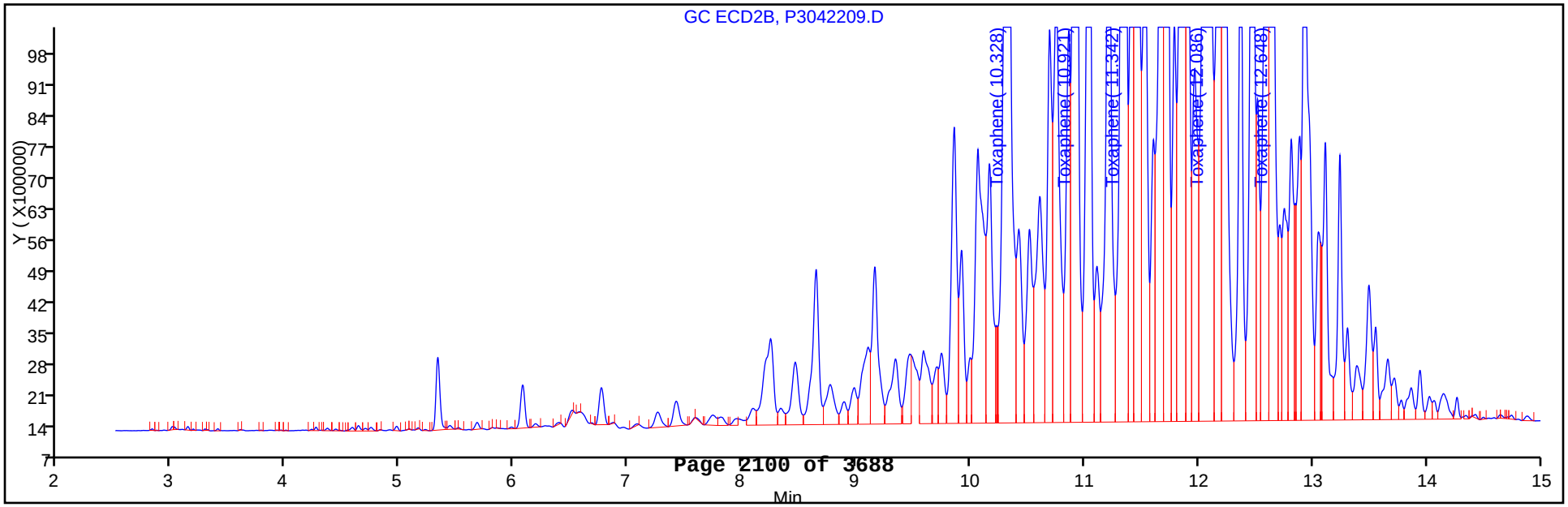
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

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



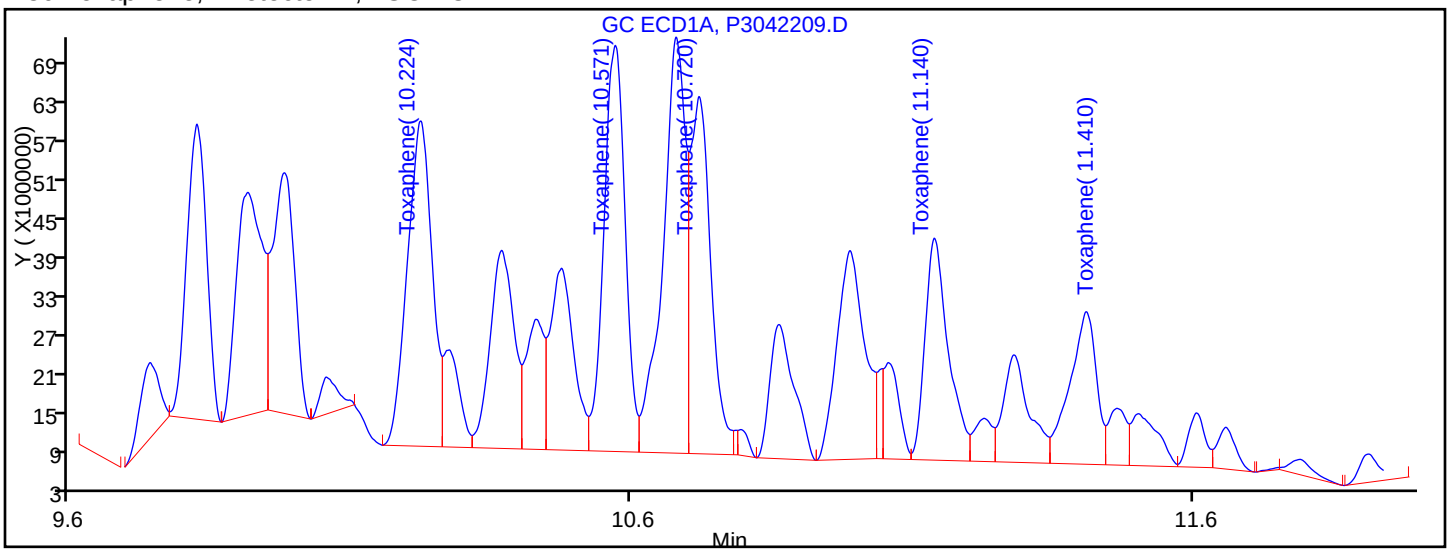
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

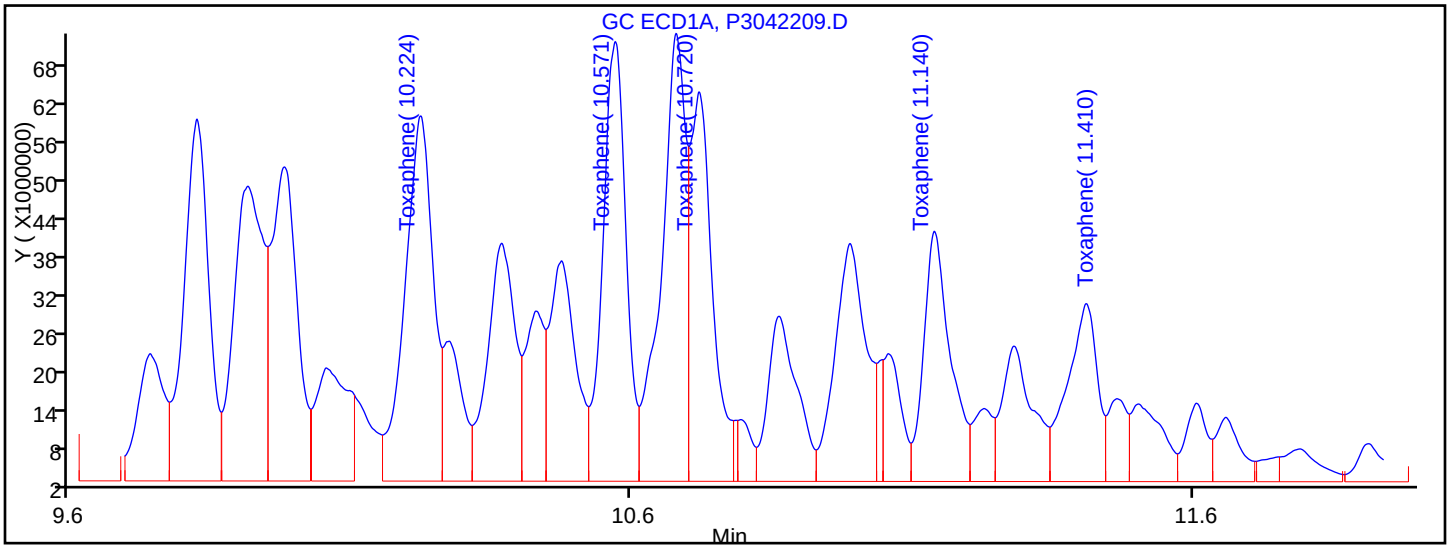
Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

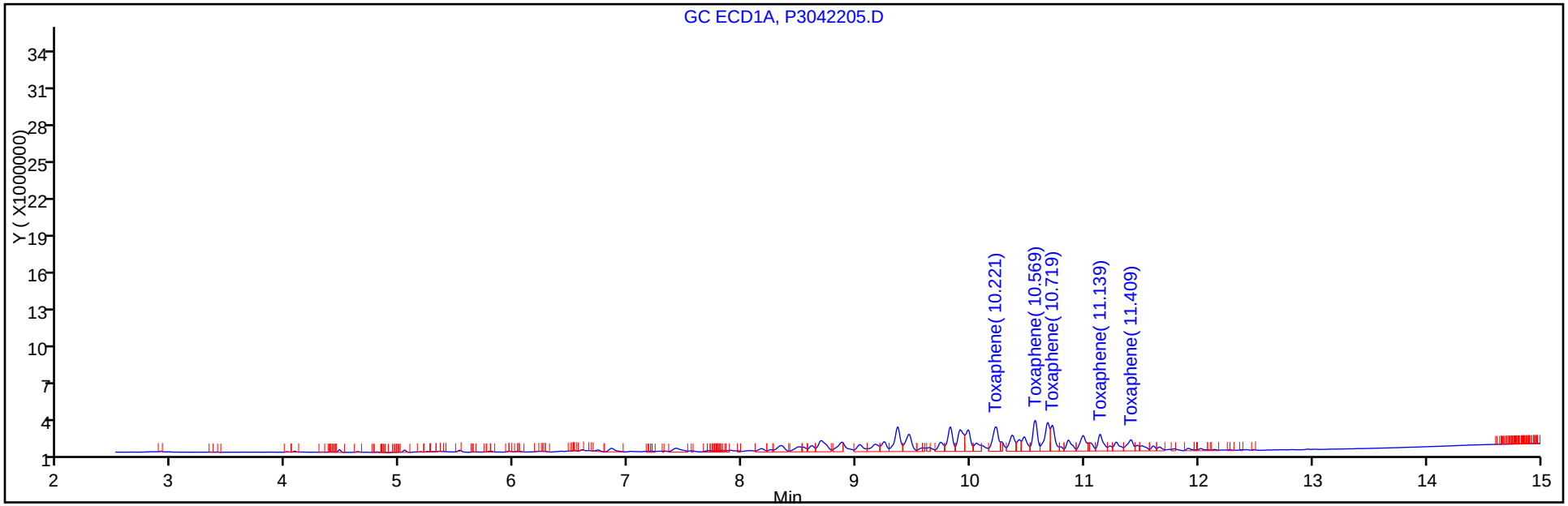
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

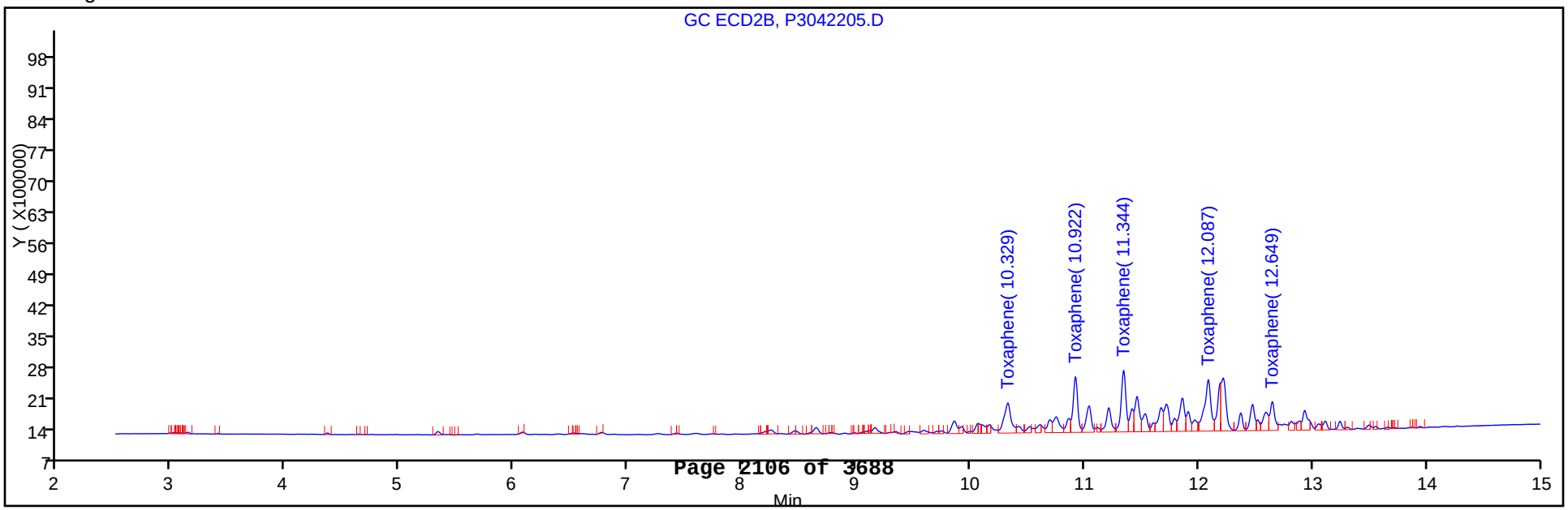
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

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



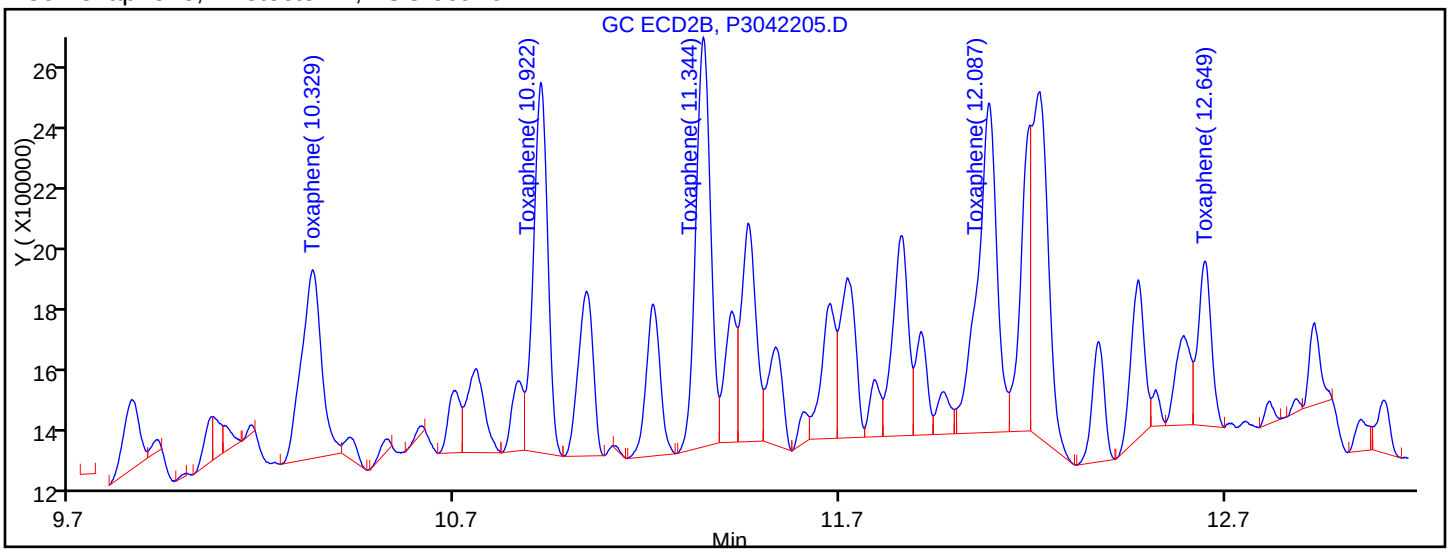
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

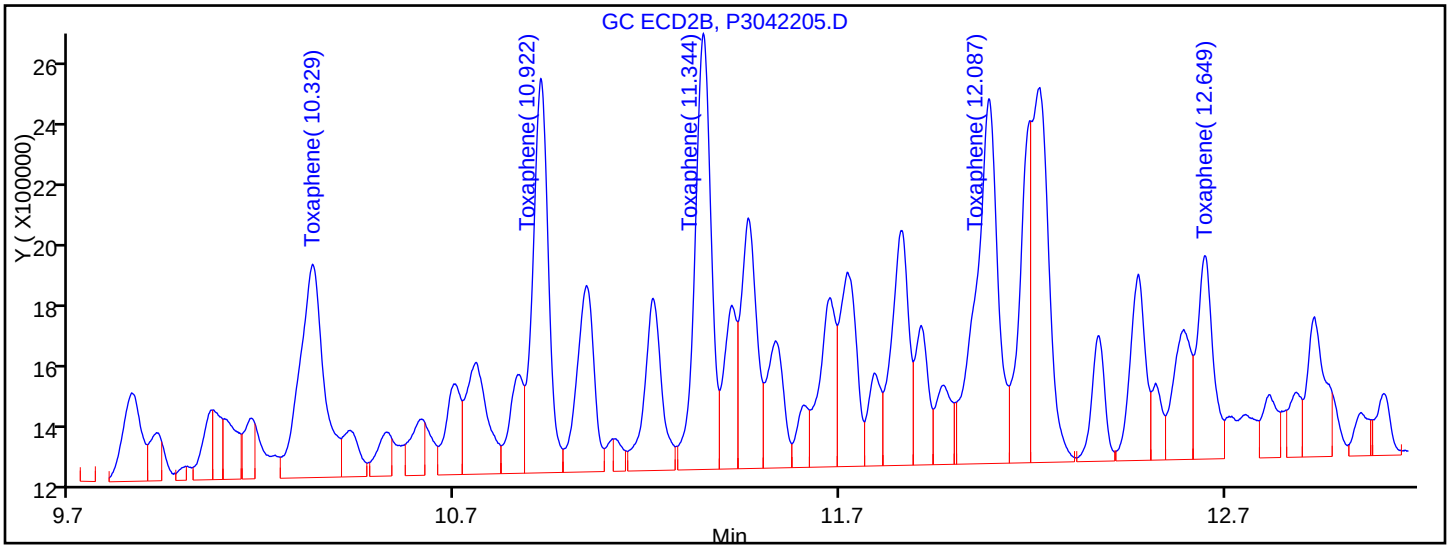
Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

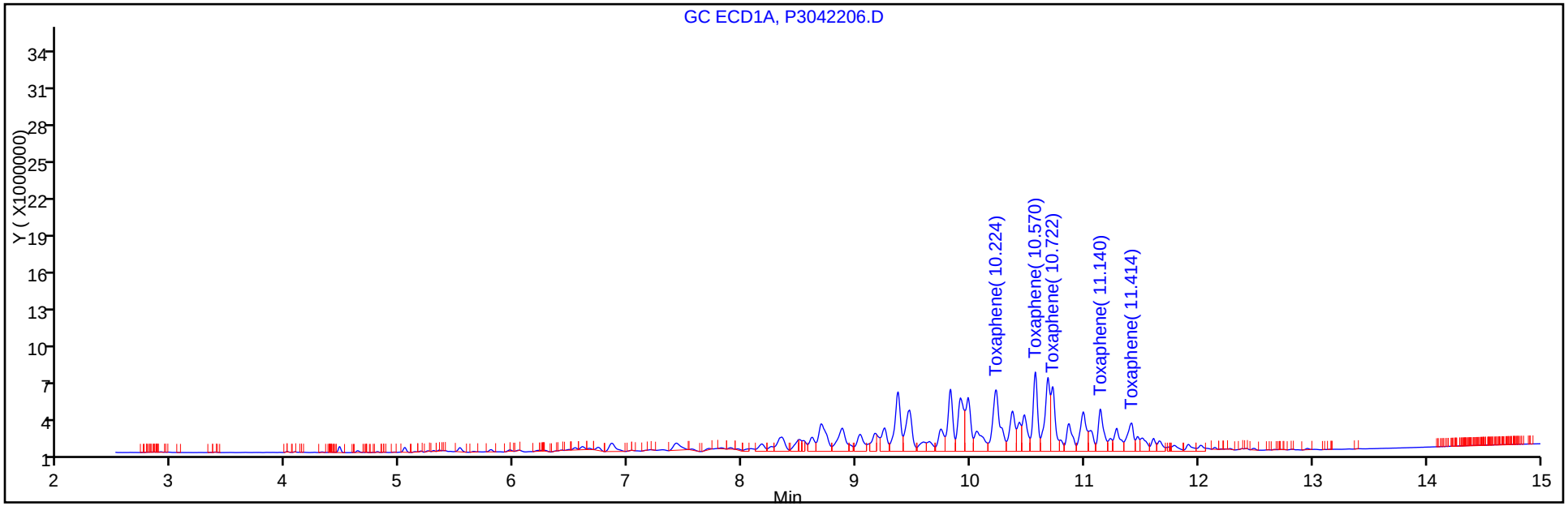
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

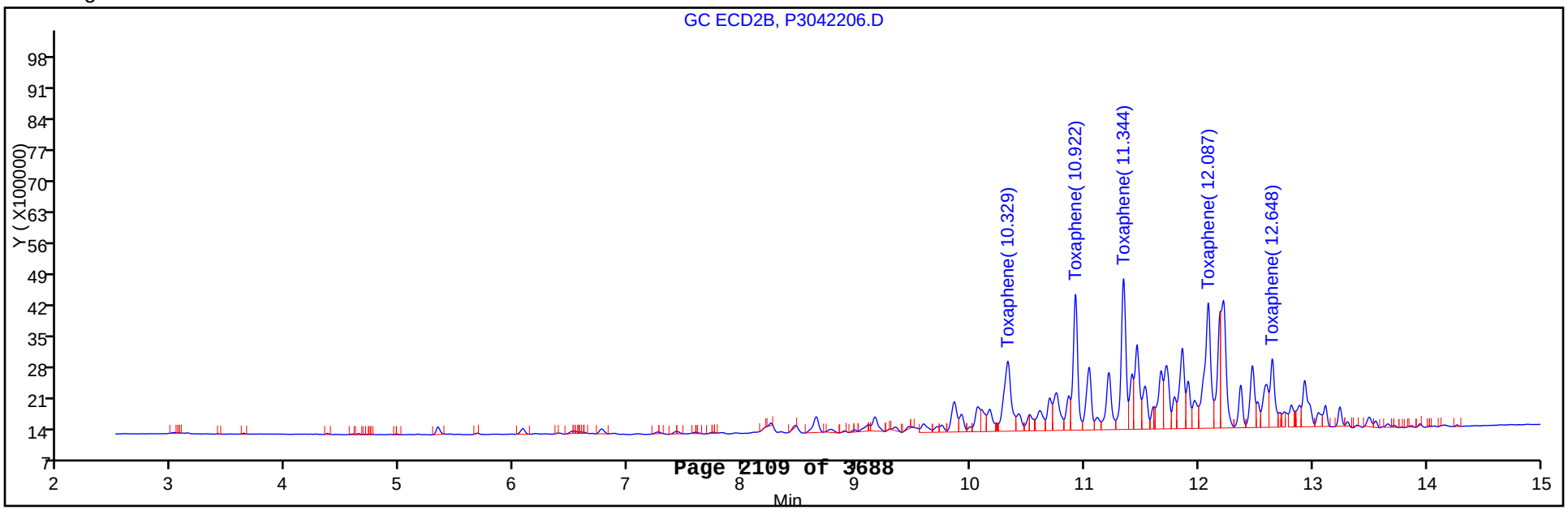
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

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



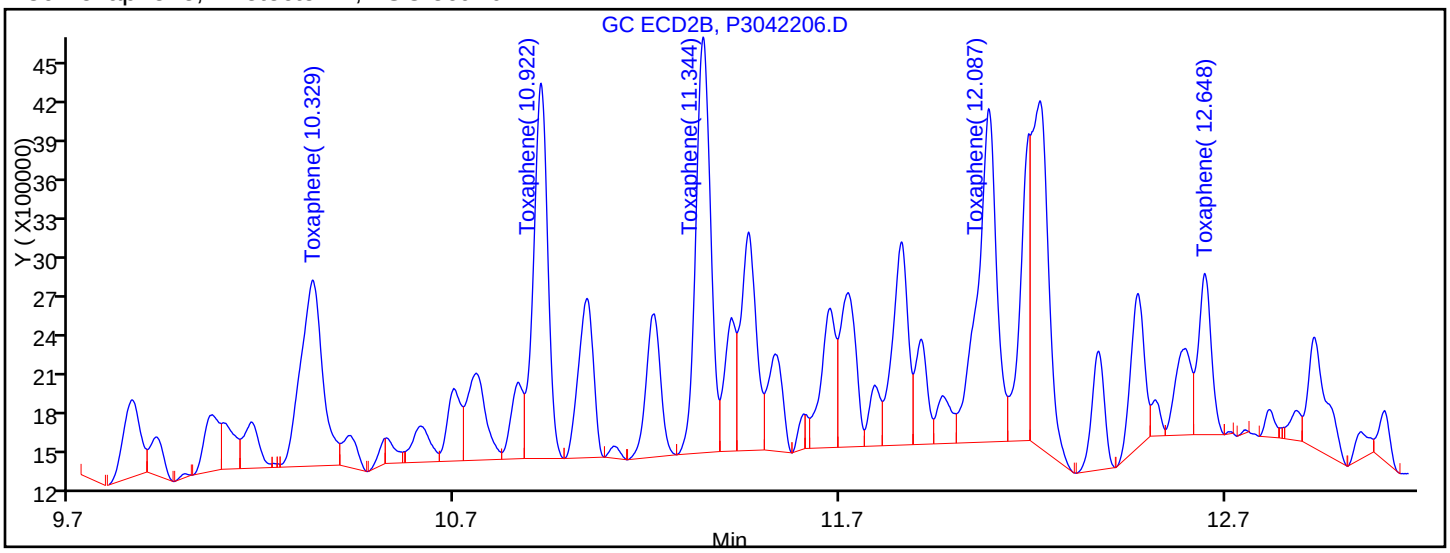
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

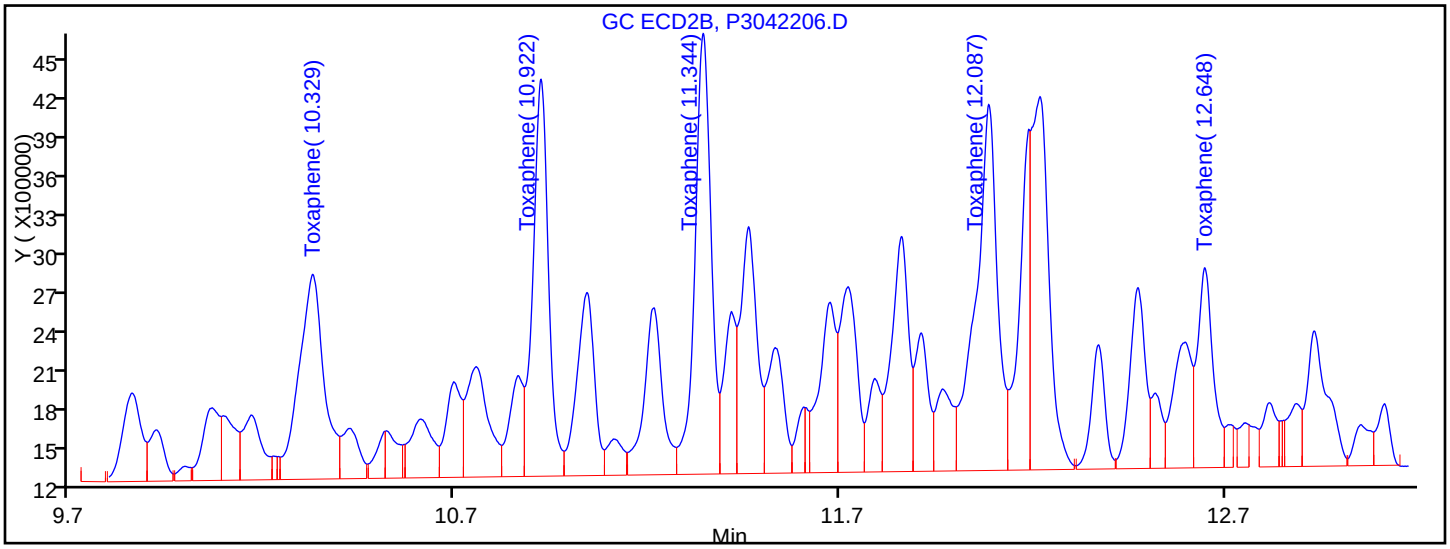
Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

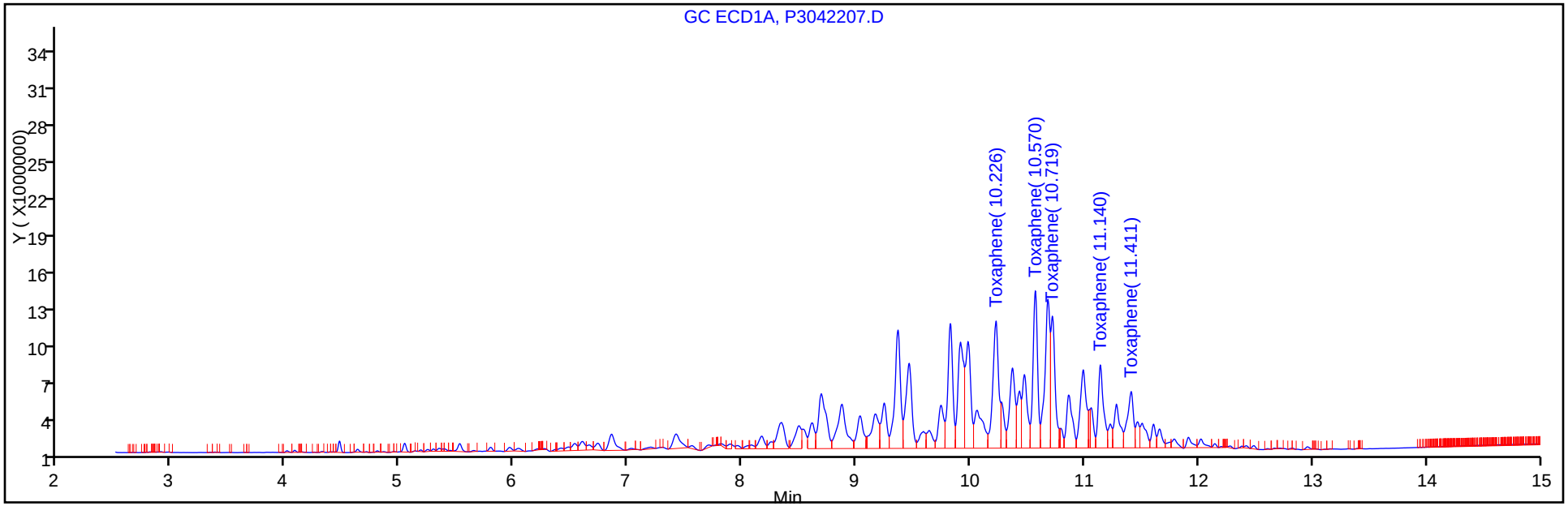
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

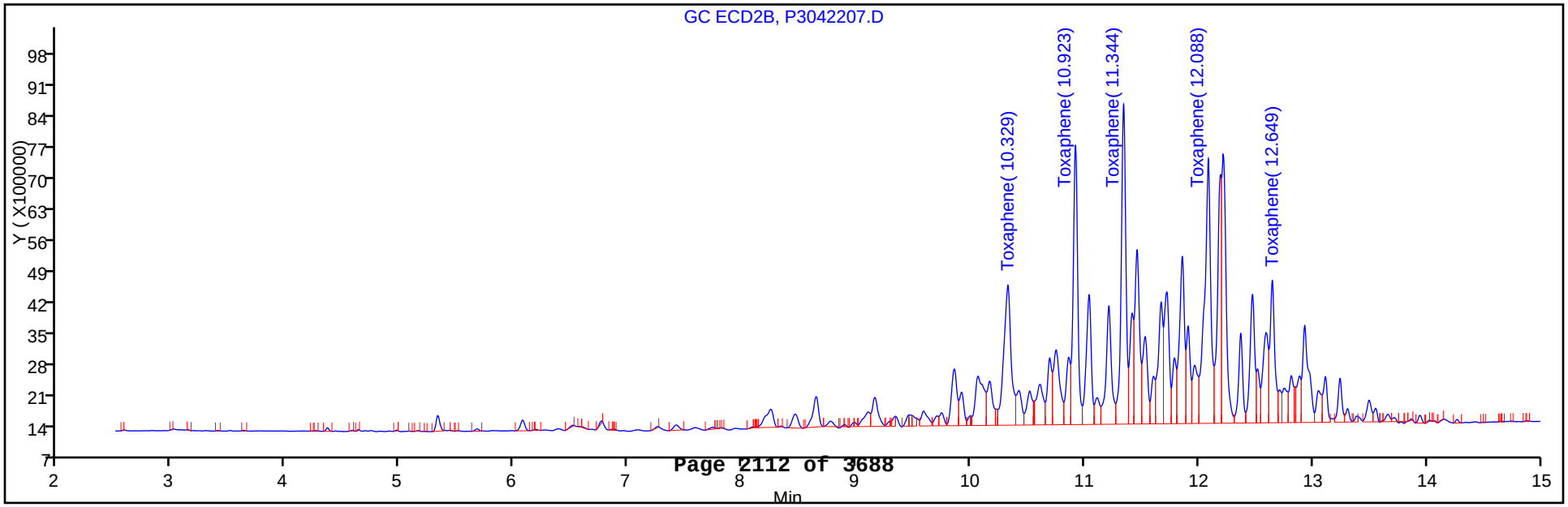
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

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



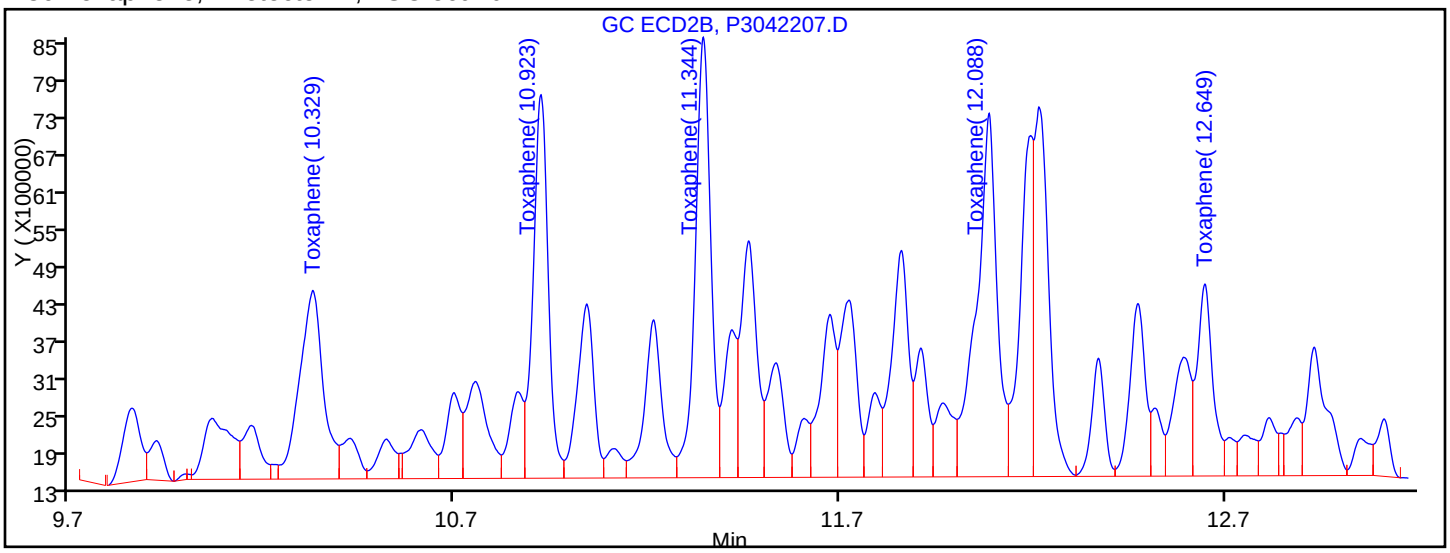
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

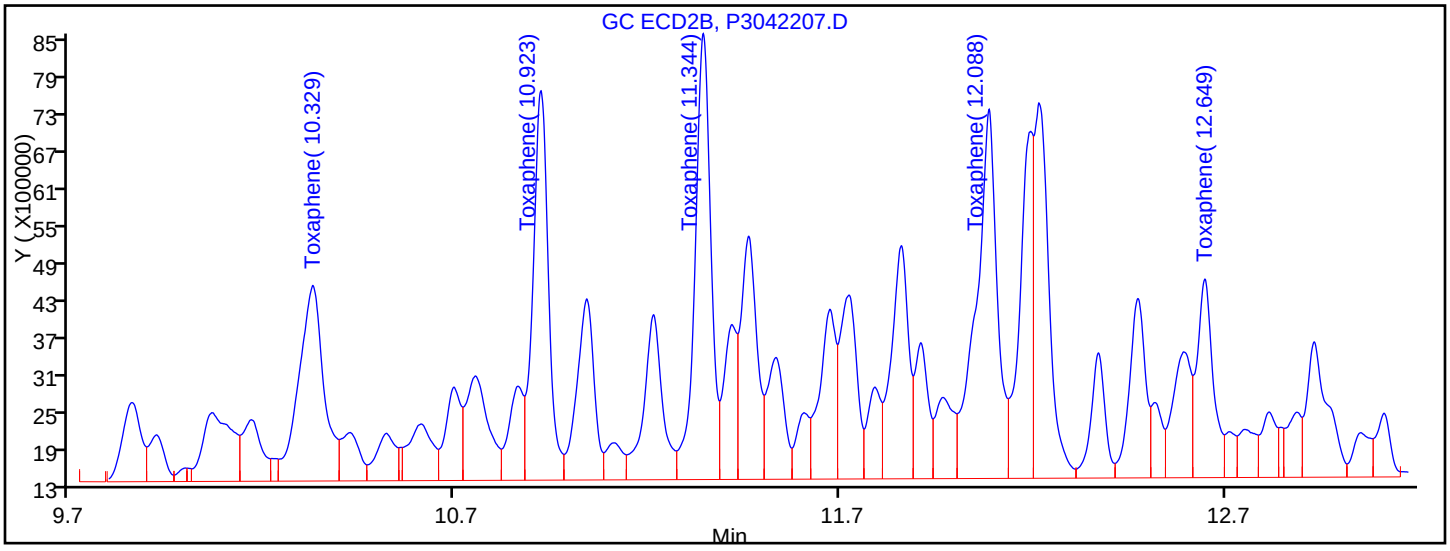
Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

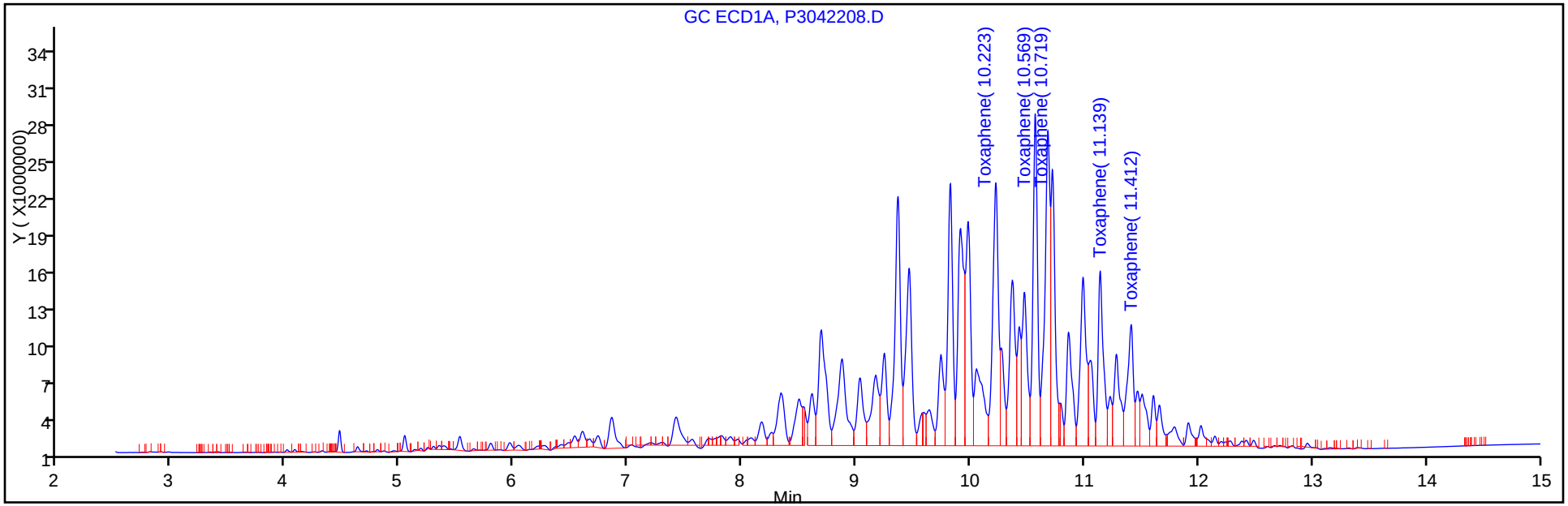
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

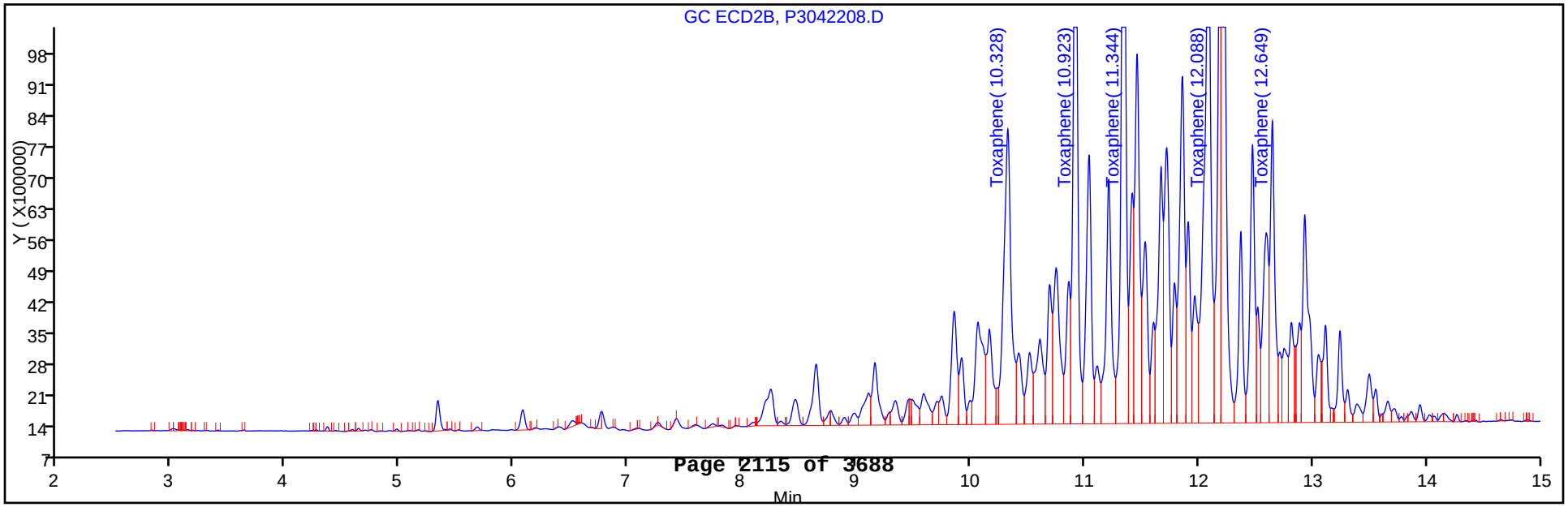
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

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

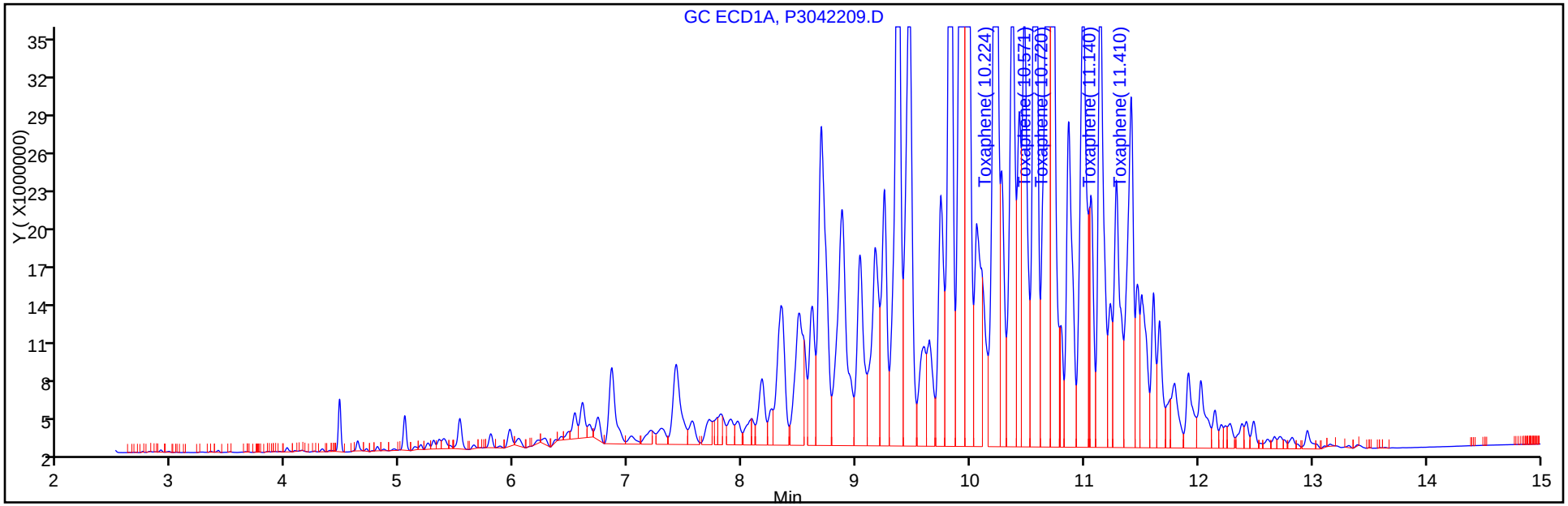
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

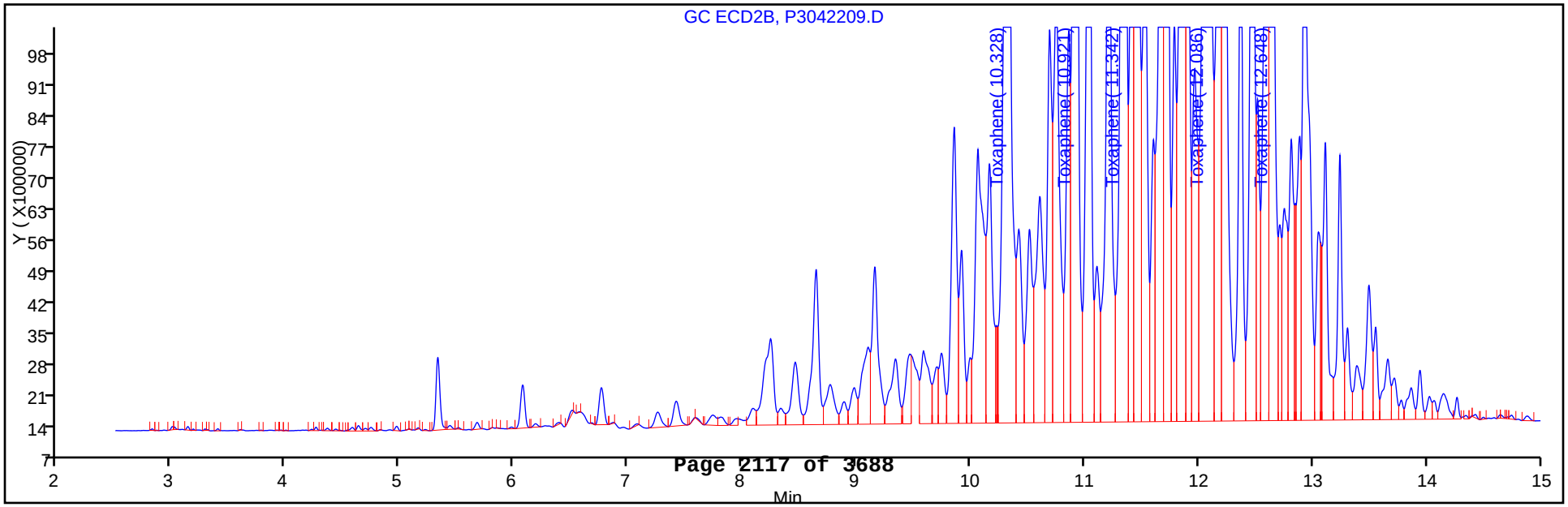
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

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



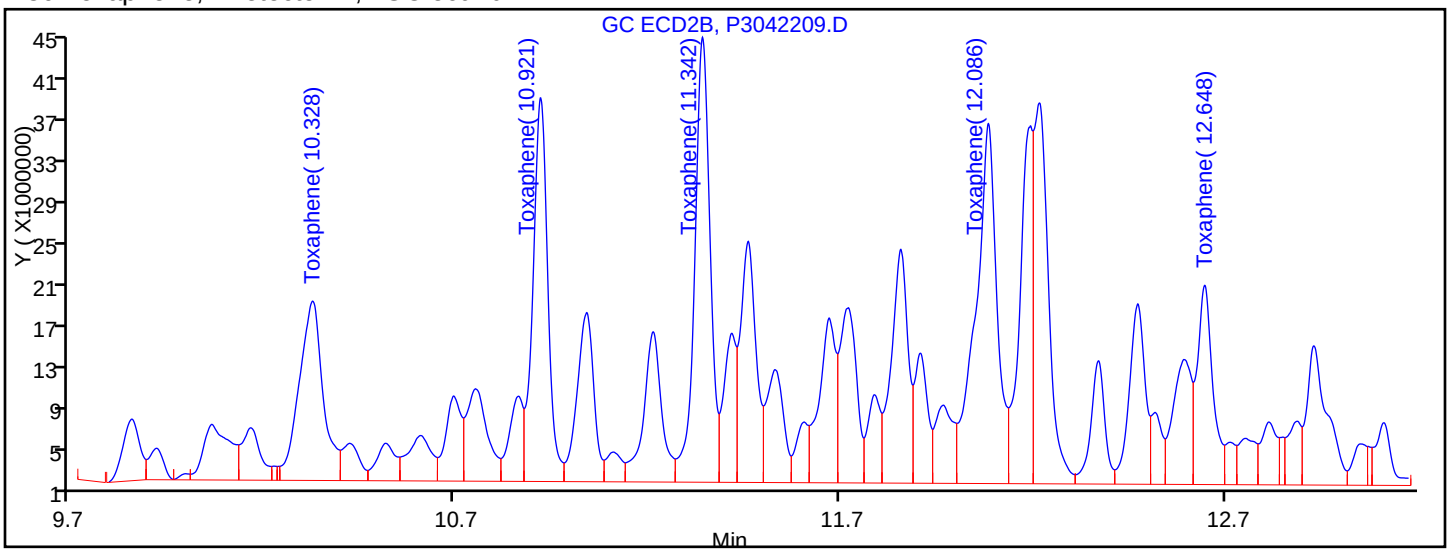
Report Date: 23-Apr-2013 12:11:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

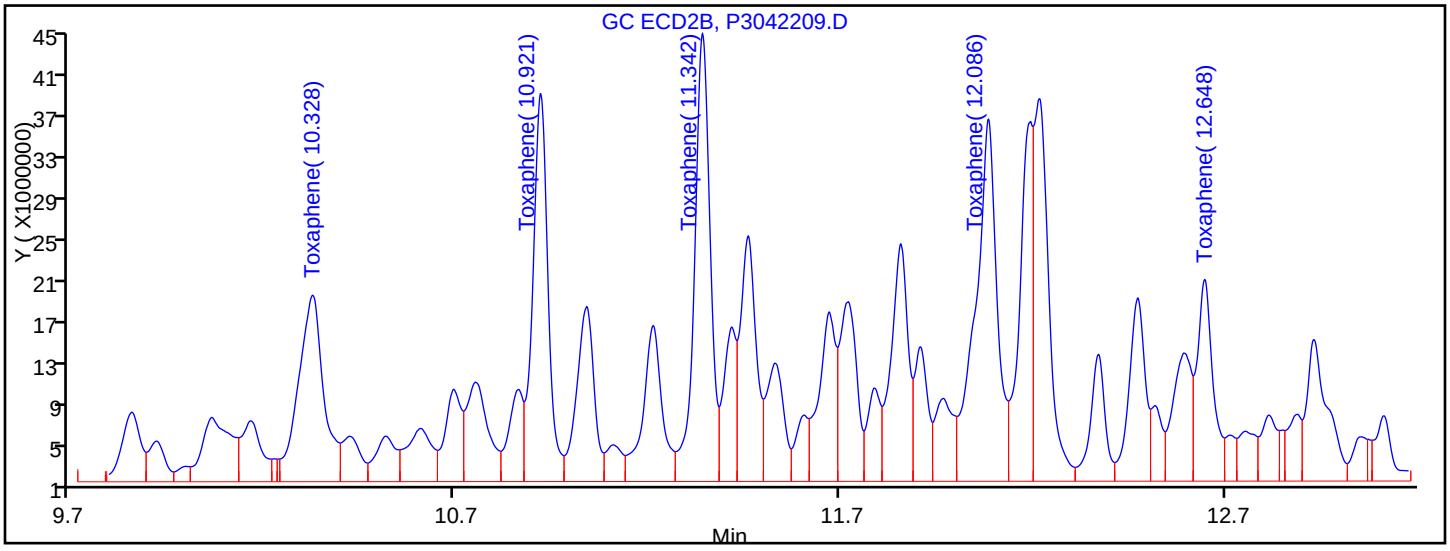
Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

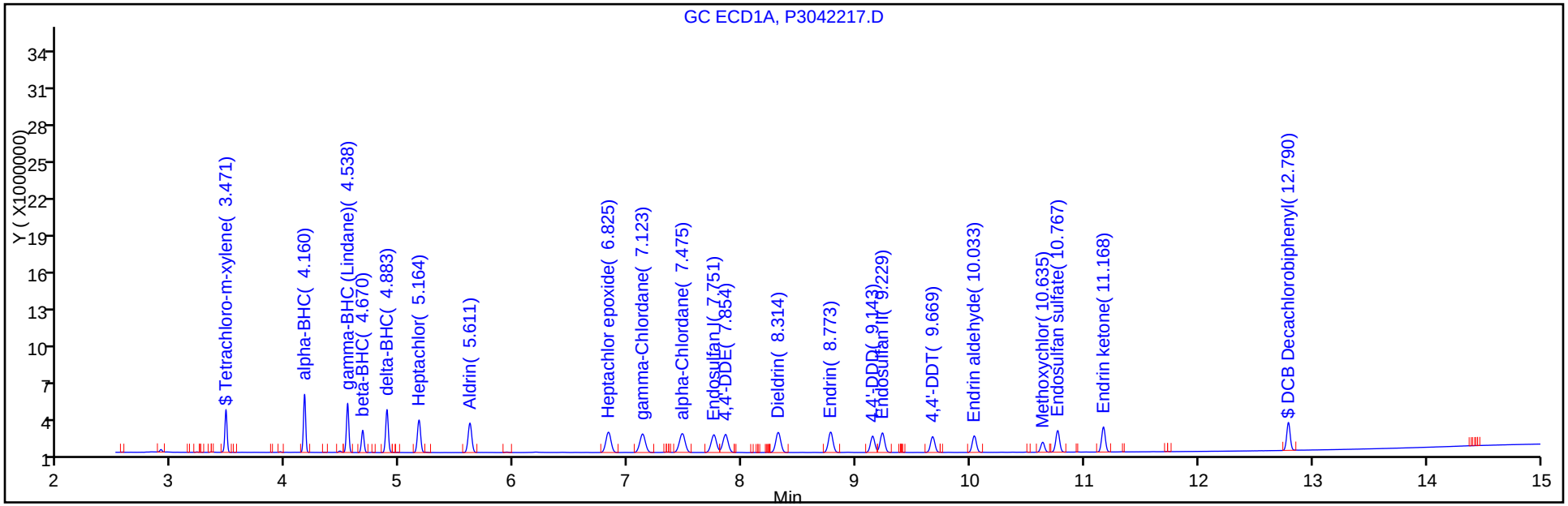
Report Date: 23-Apr-2013 12:07:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

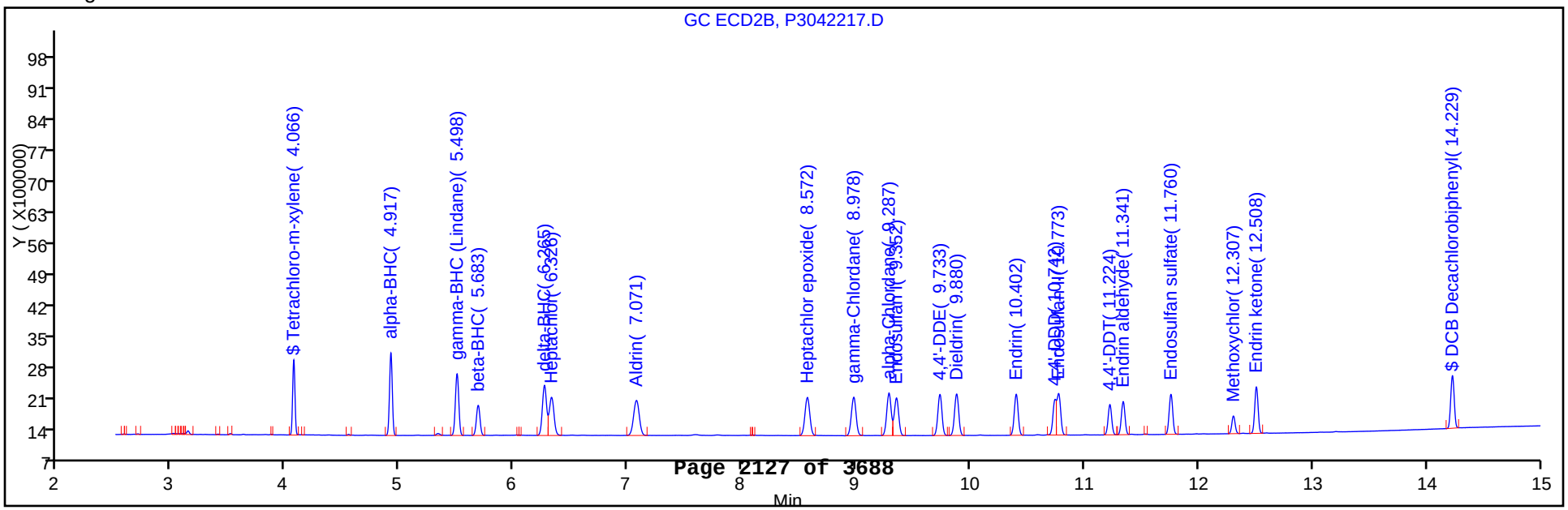
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D

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

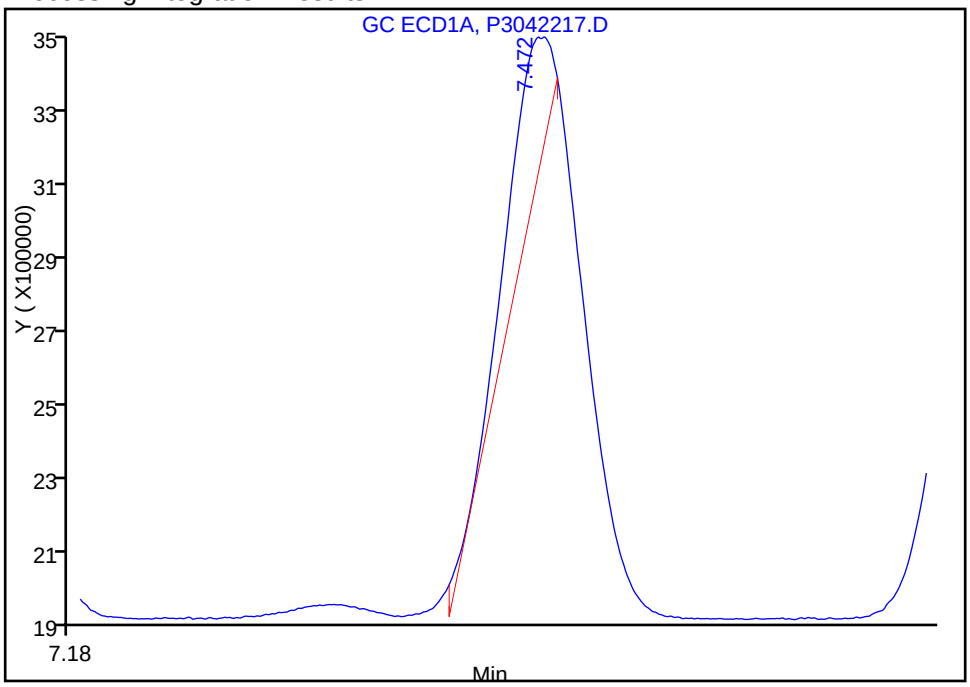
TestAmerica Canton

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

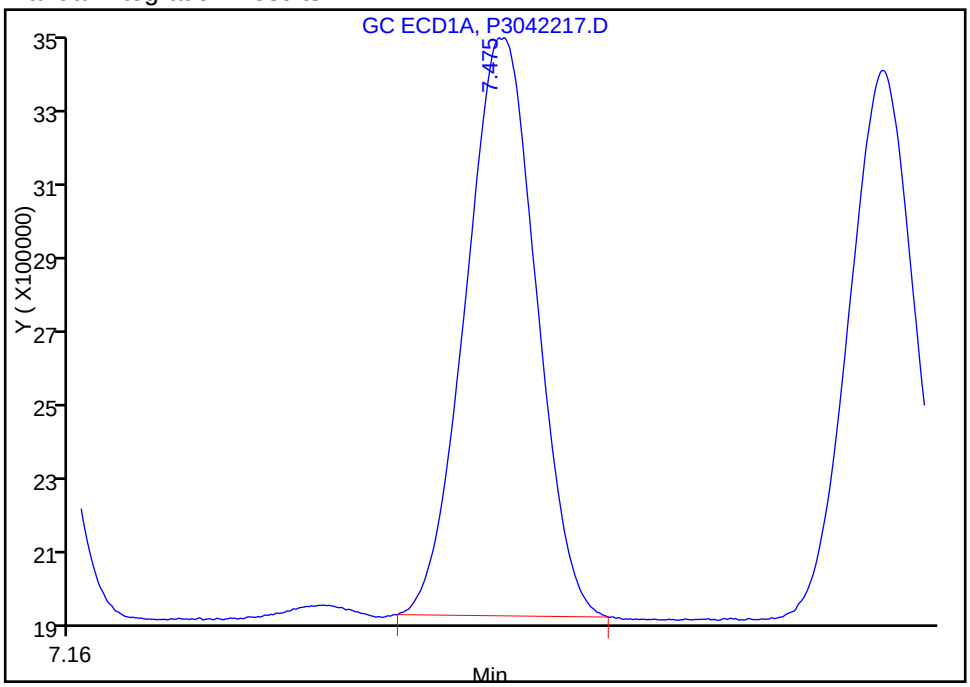
Processing Integration Results

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			

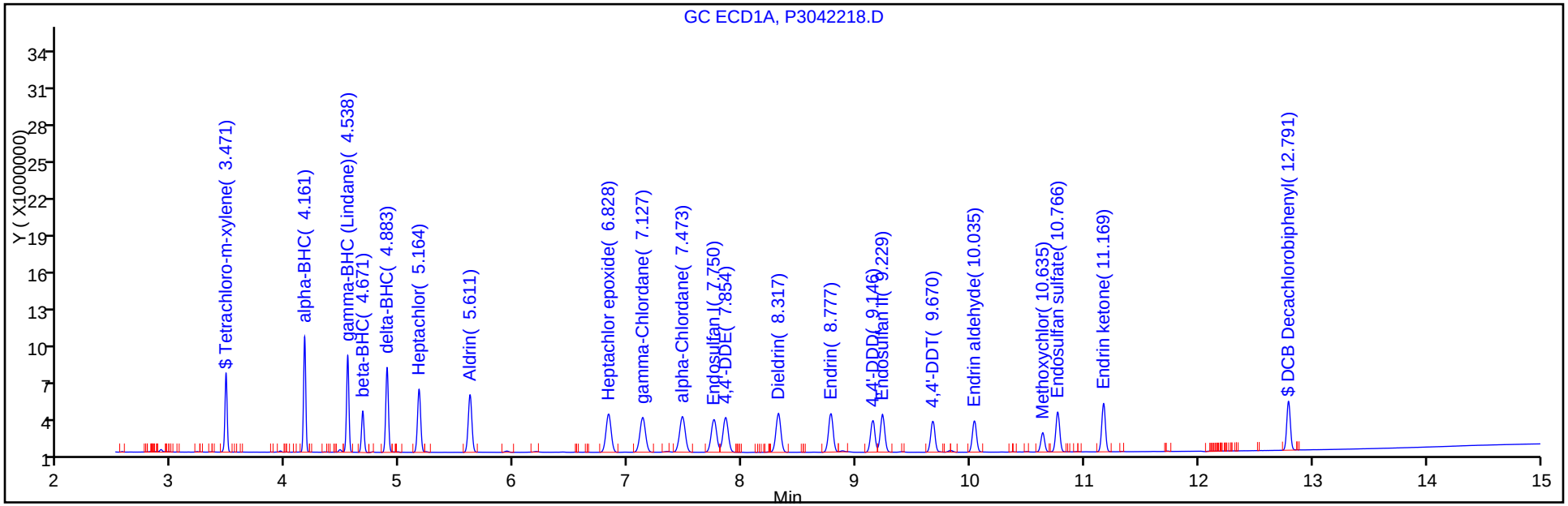
Report Date: 23-Apr-2013 12:07:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

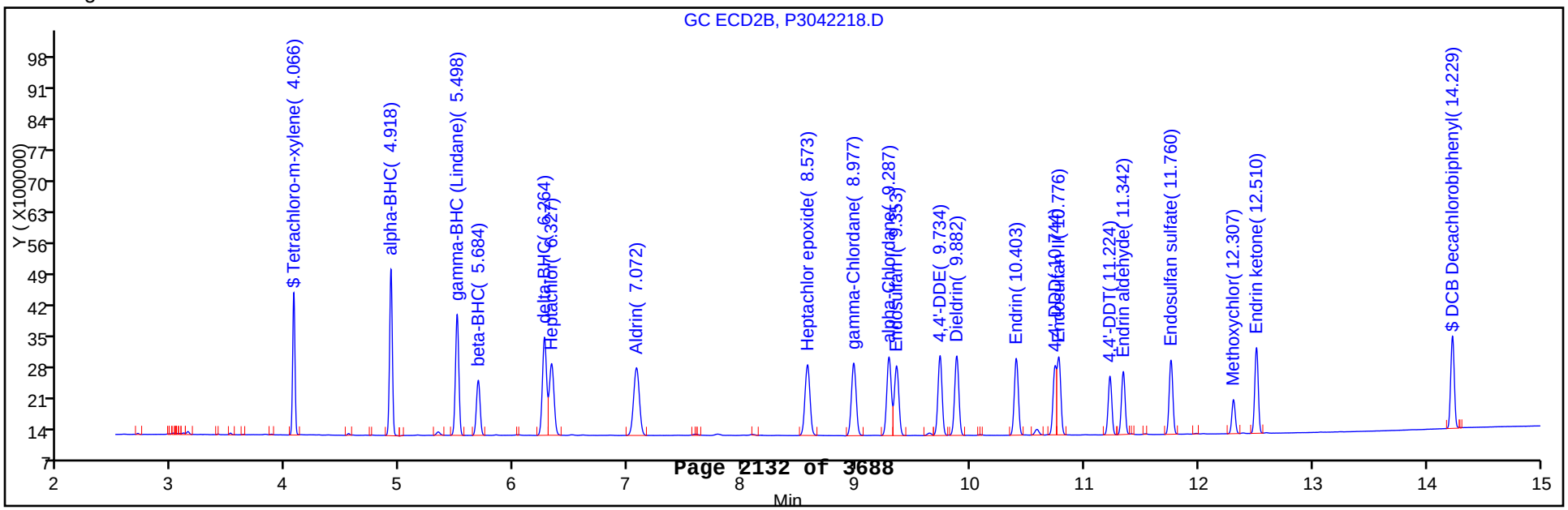
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042218.D

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



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			

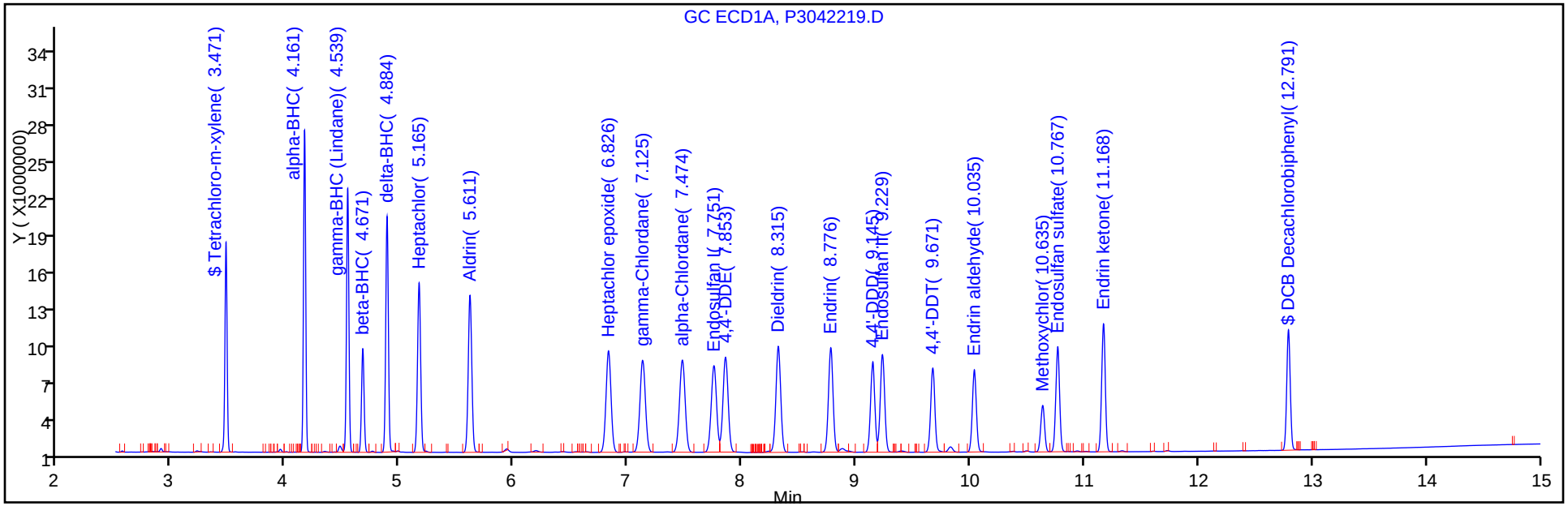
Report Date: 23-Apr-2013 12:08:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

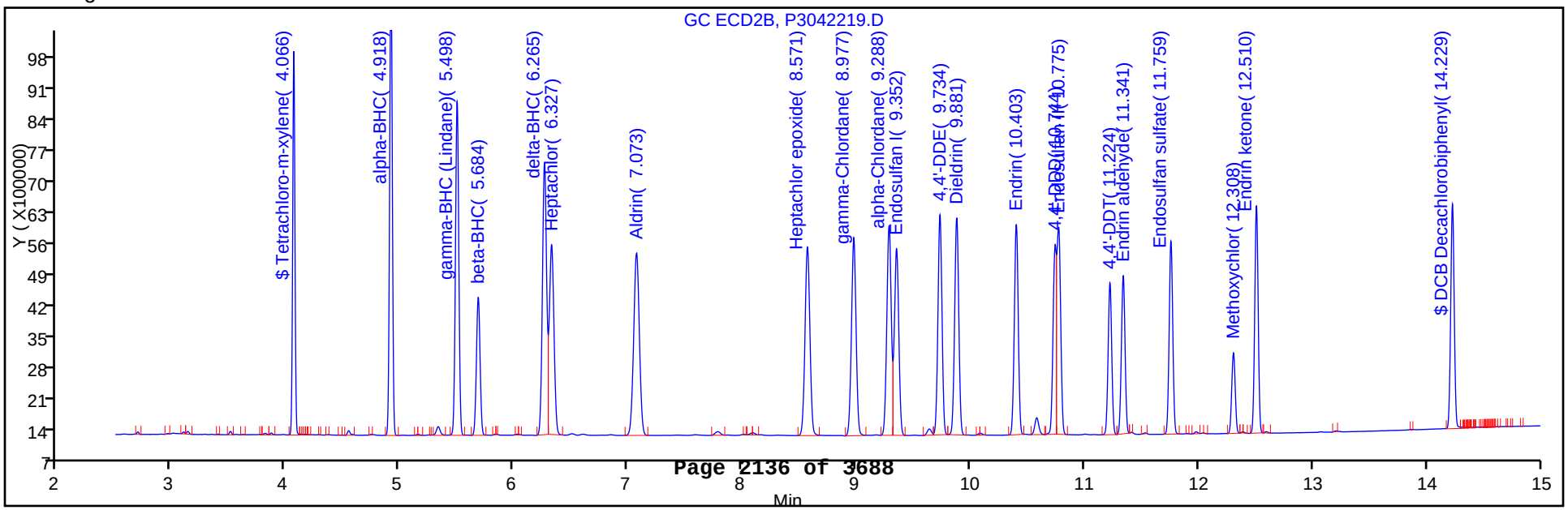
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D

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			

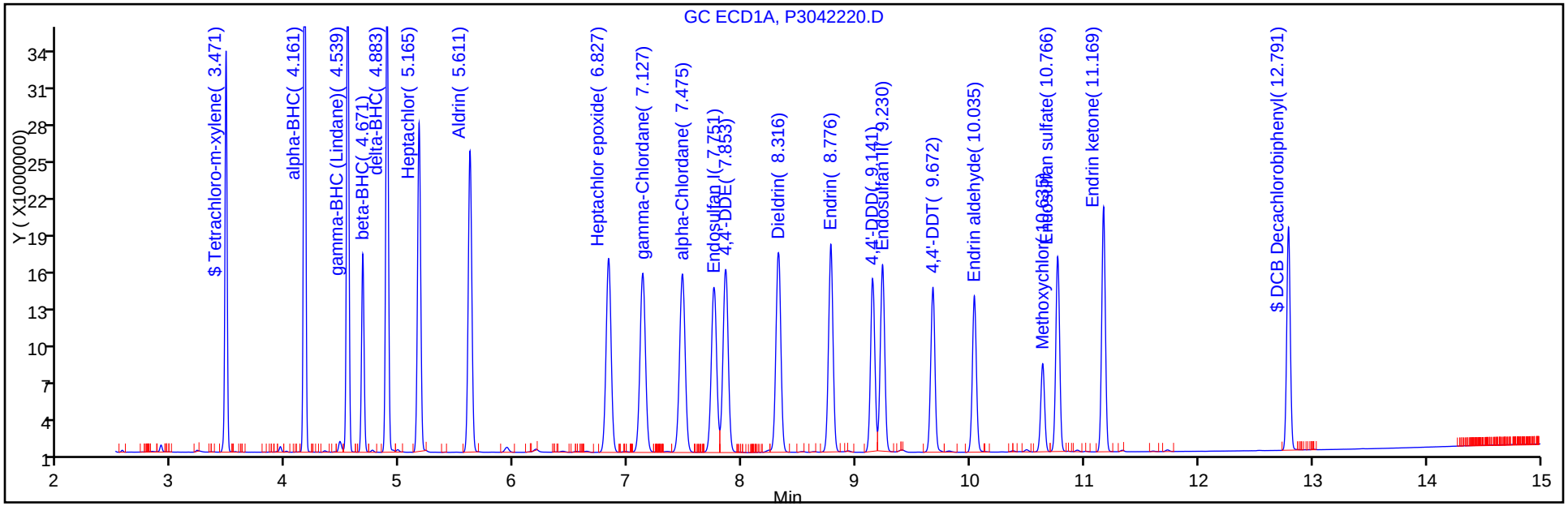
Report Date: 23-Apr-2013 12:22:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

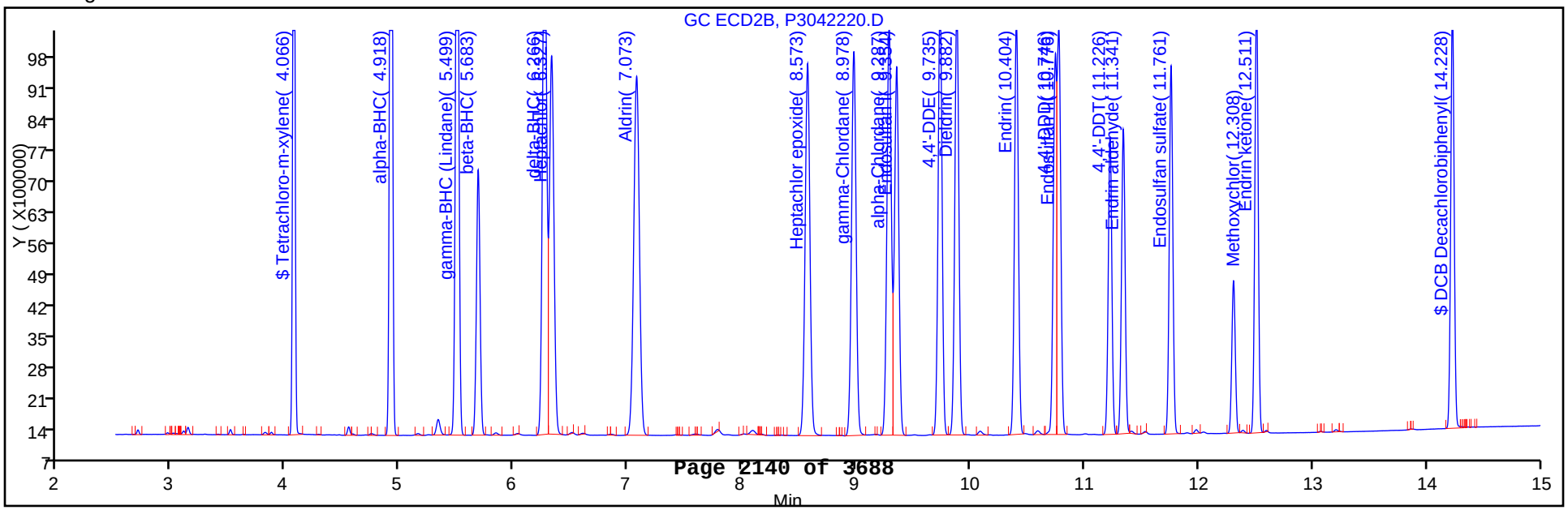
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042220.D

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			

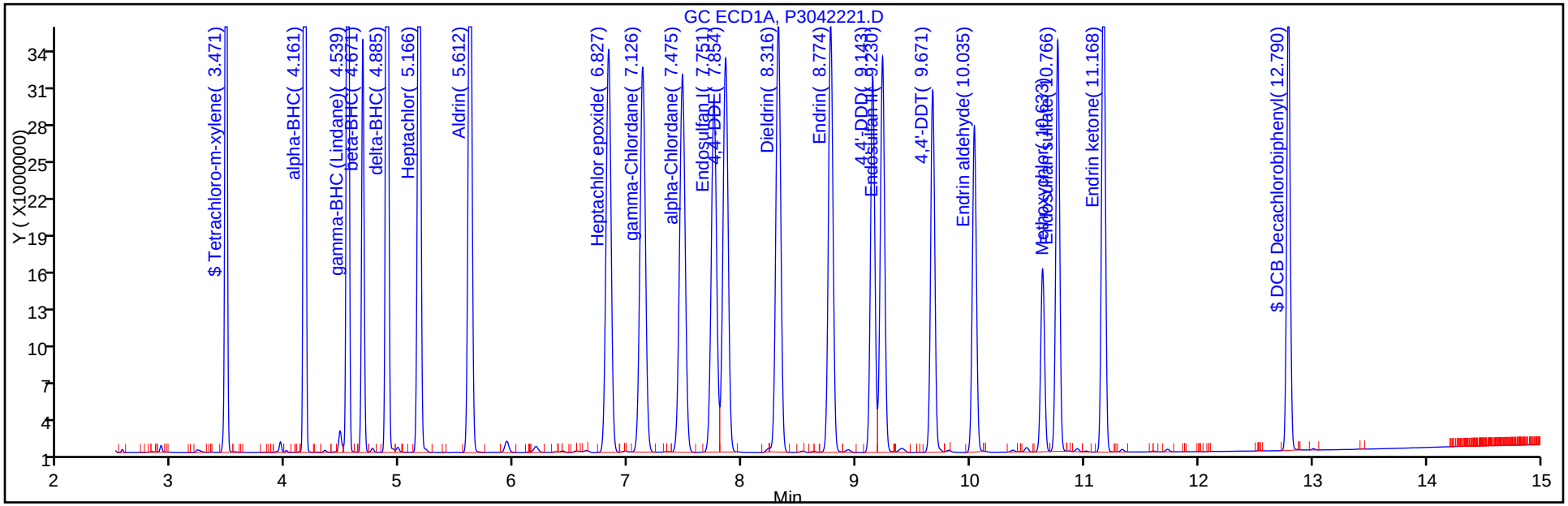
Report Date: 23-Apr-2013 12:22:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

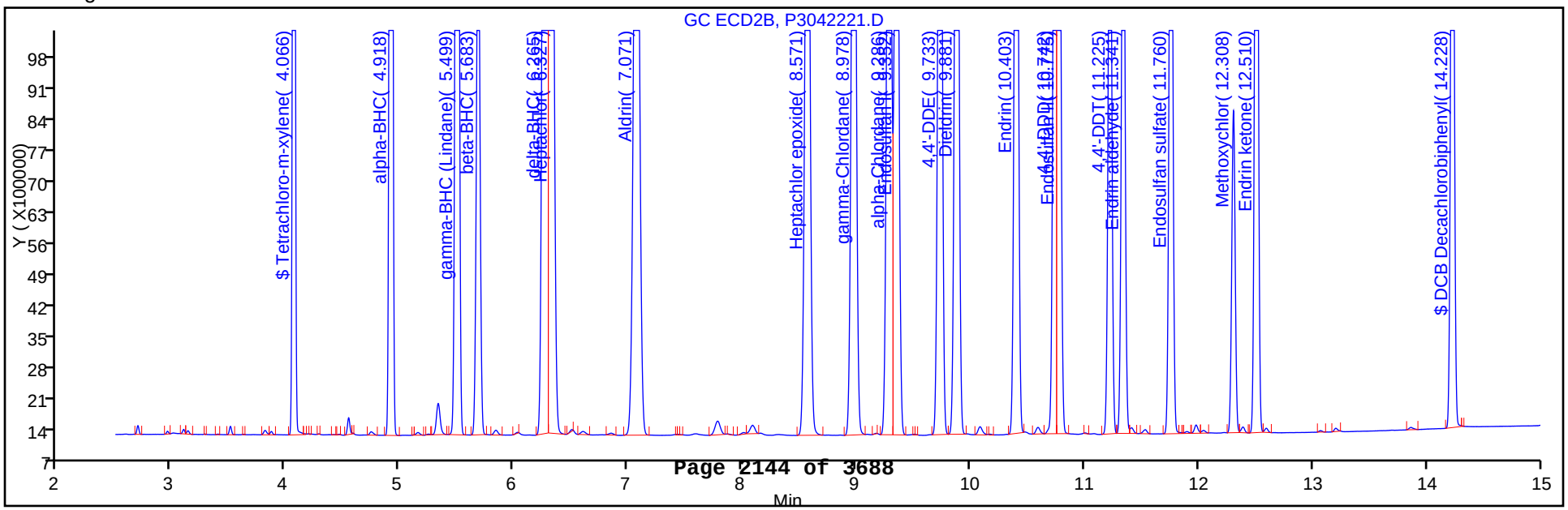
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042221.D

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			

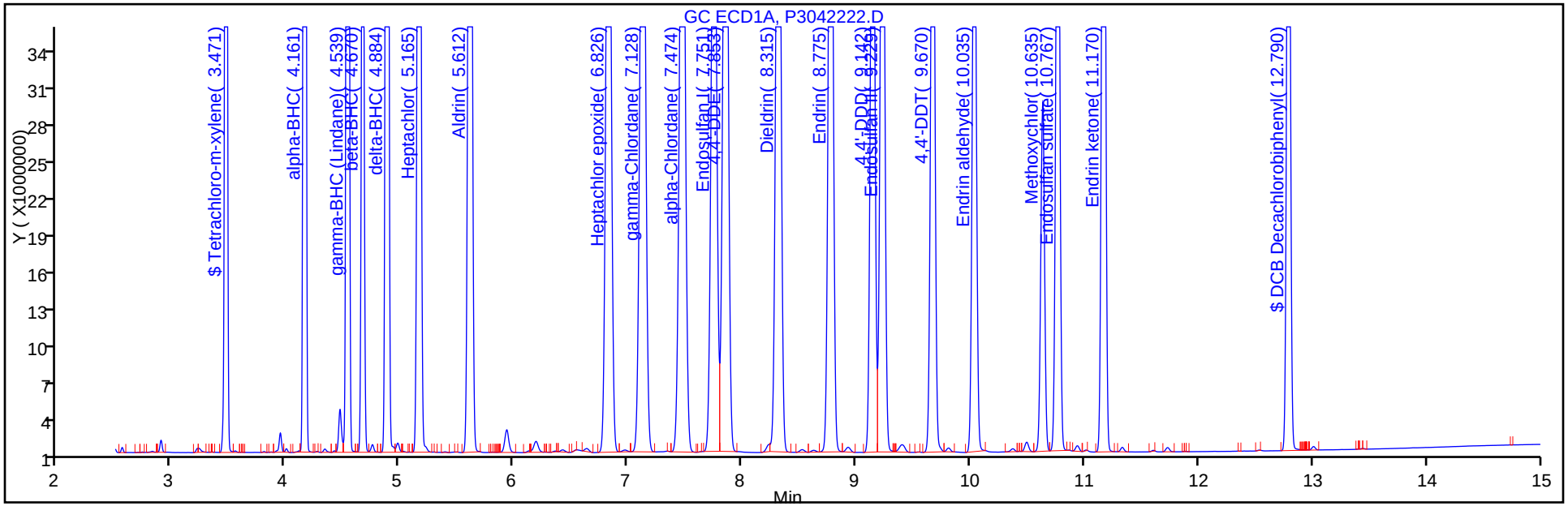
Report Date: 23-Apr-2013 12:22:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

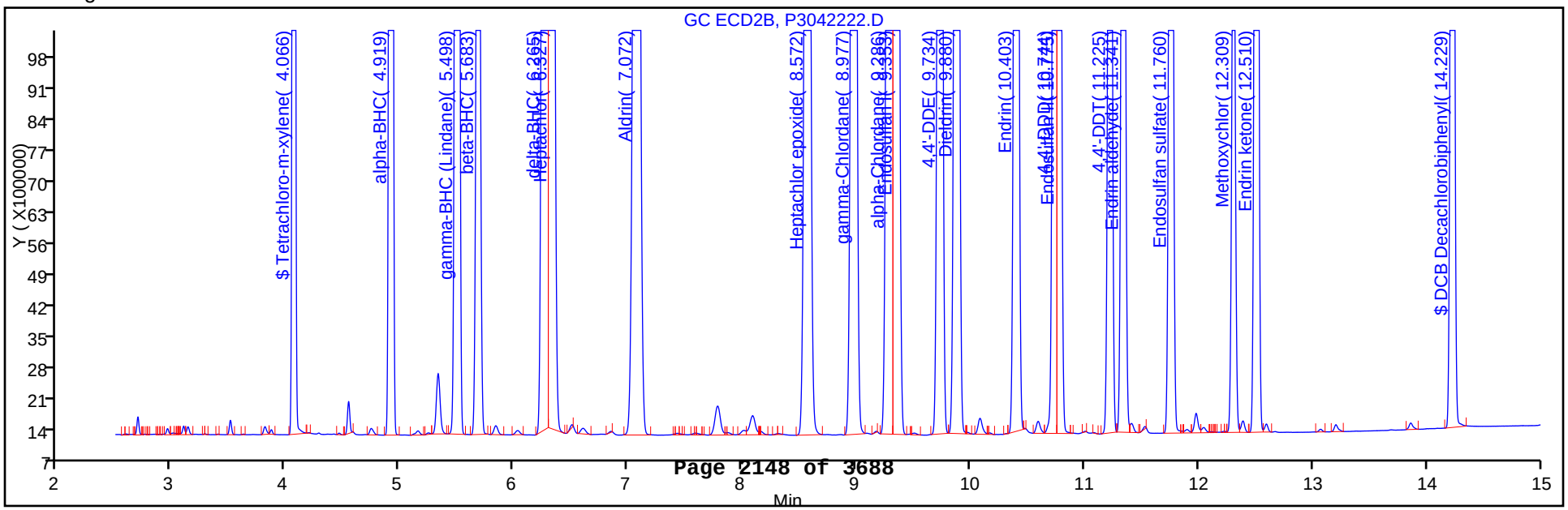
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D

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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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.: 240-22804-1 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

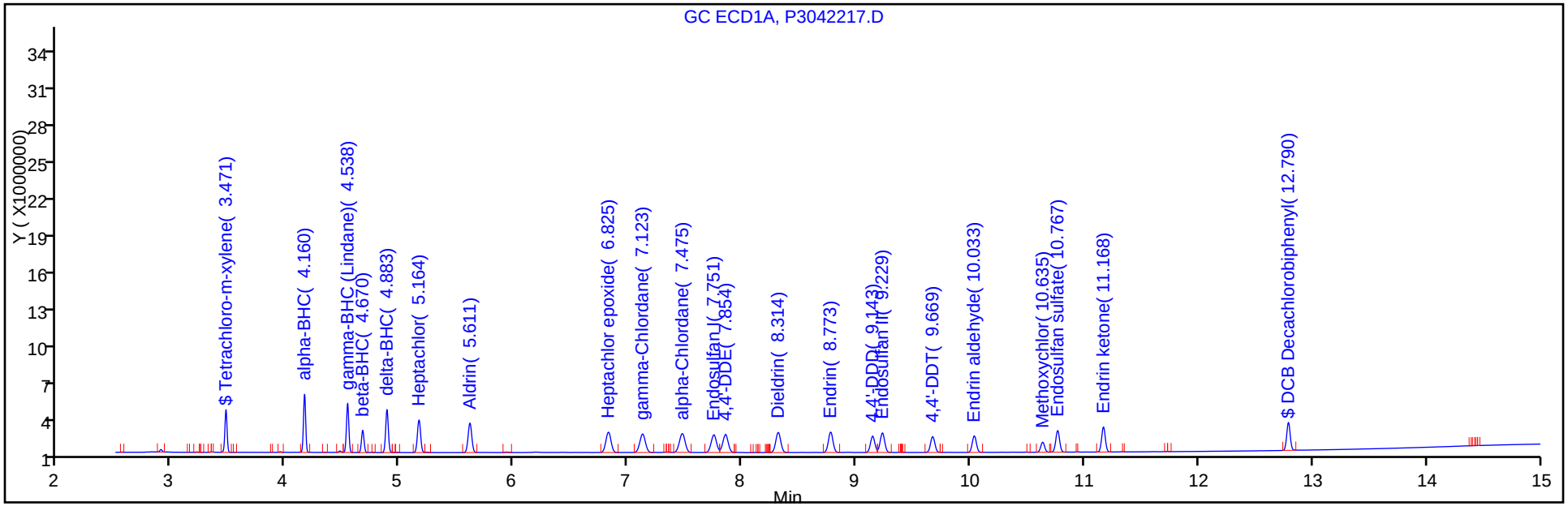
Report Date: 23-Apr-2013 12:07:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

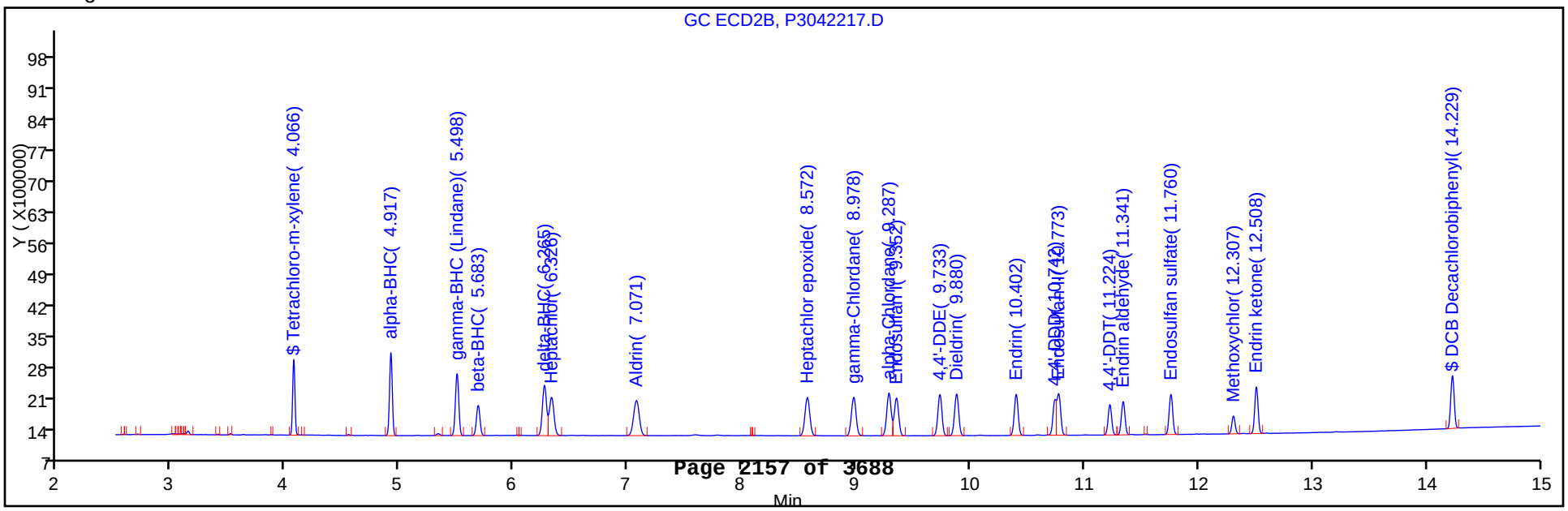
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D

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			

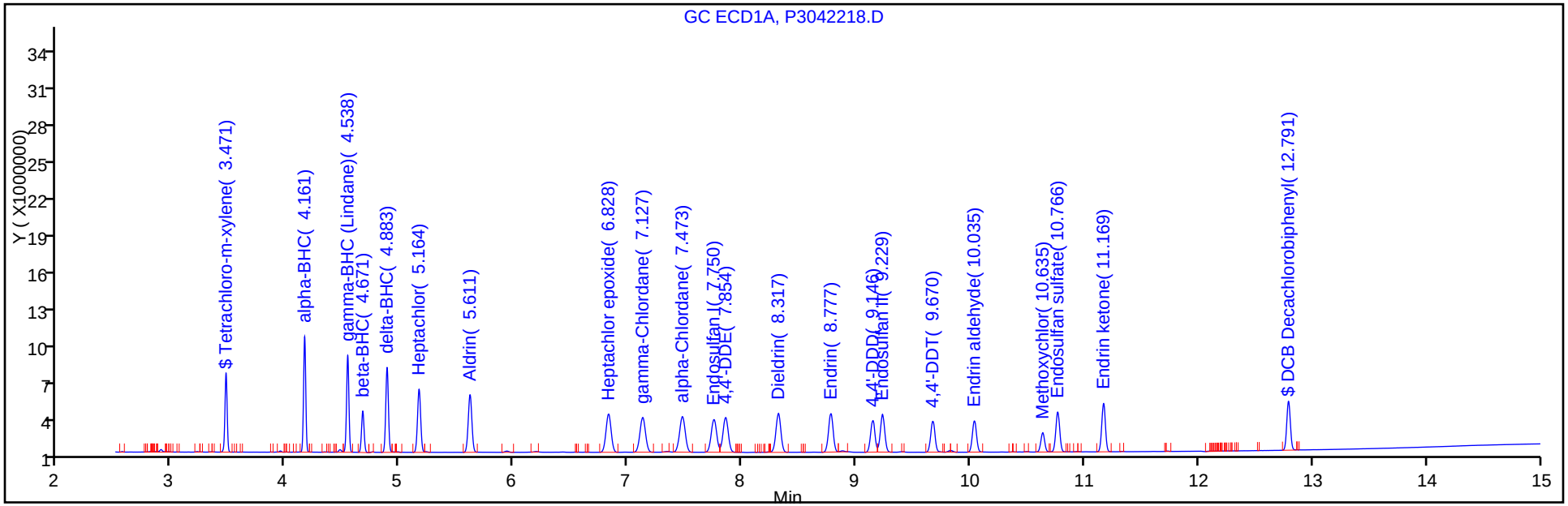
Report Date: 23-Apr-2013 12:07:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

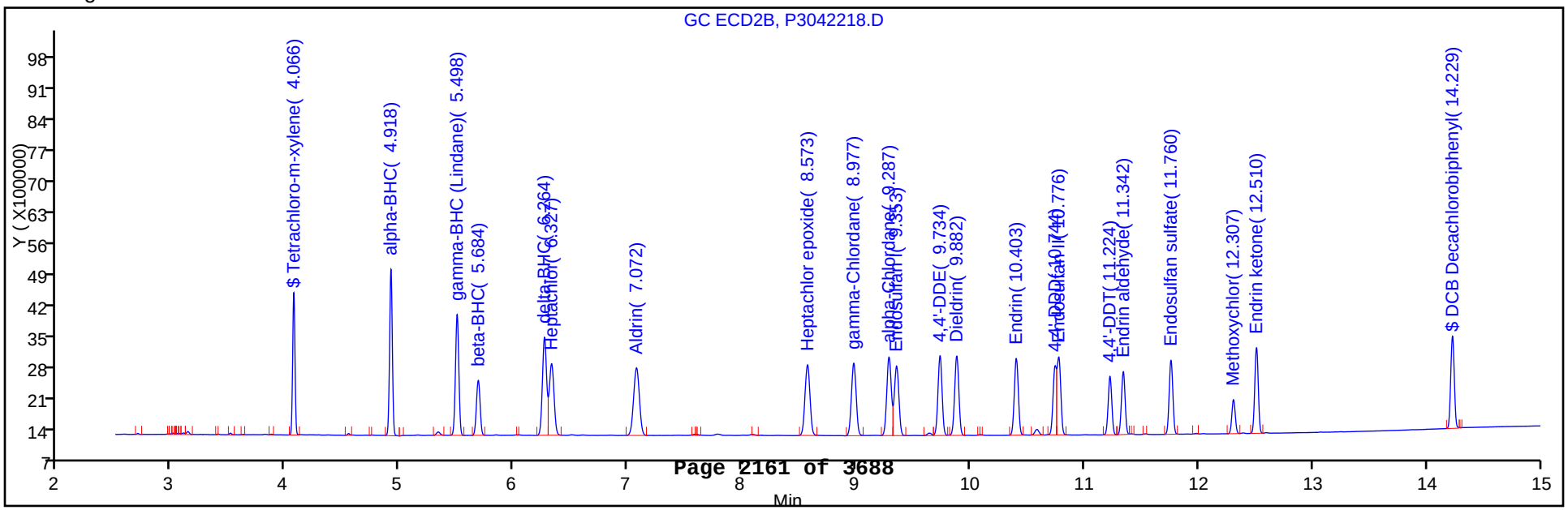
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042218.D

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



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			

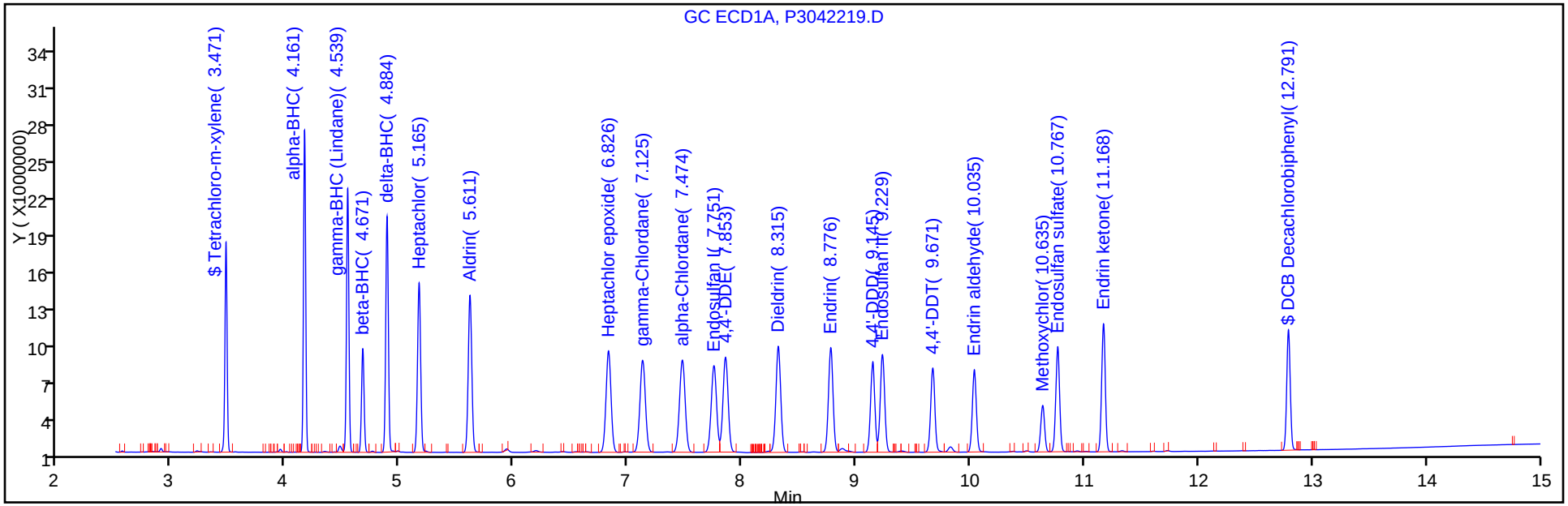
Report Date: 23-Apr-2013 12:08:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

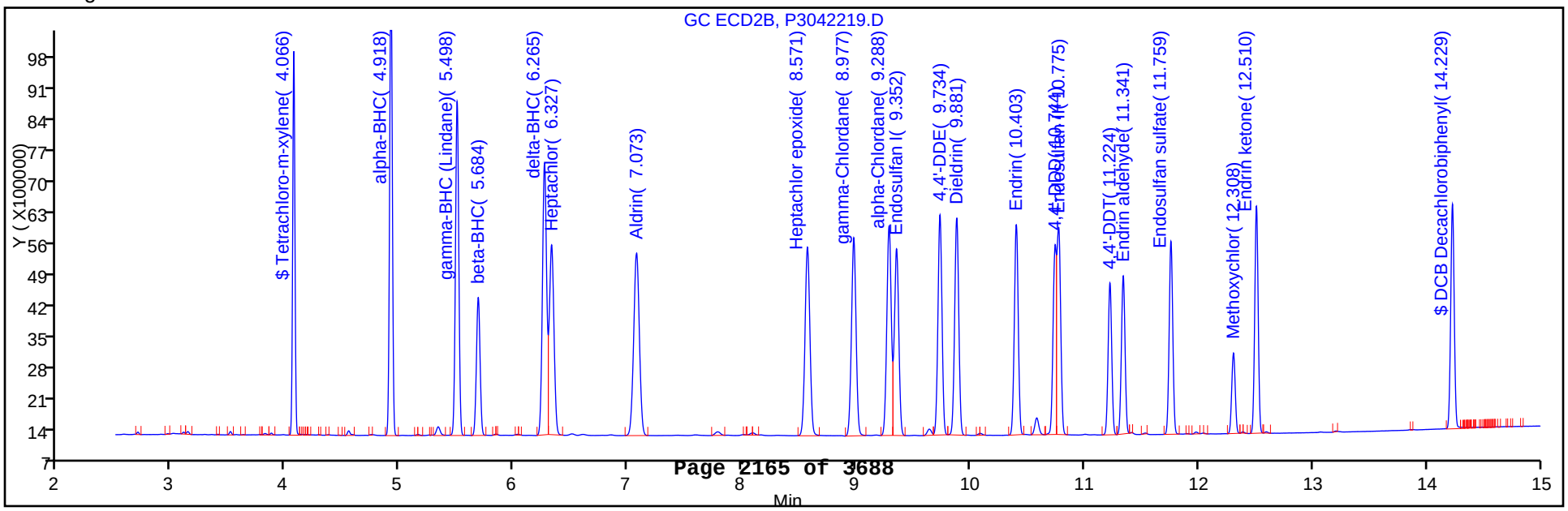
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D

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			

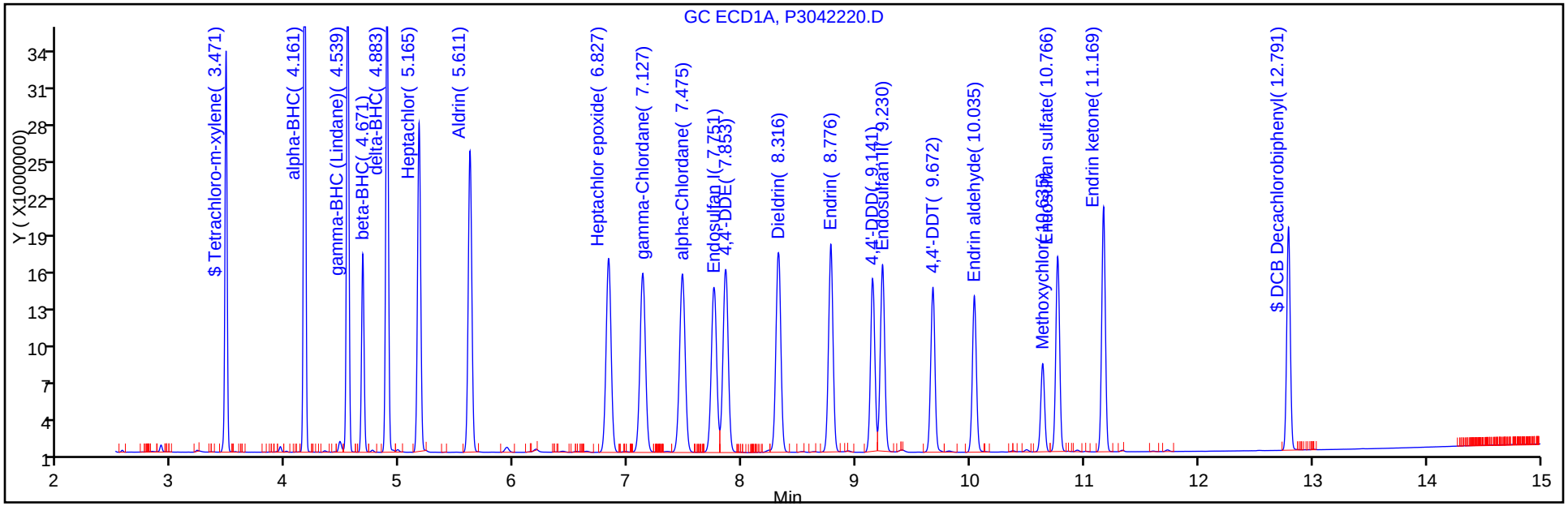
Report Date: 23-Apr-2013 12:22:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

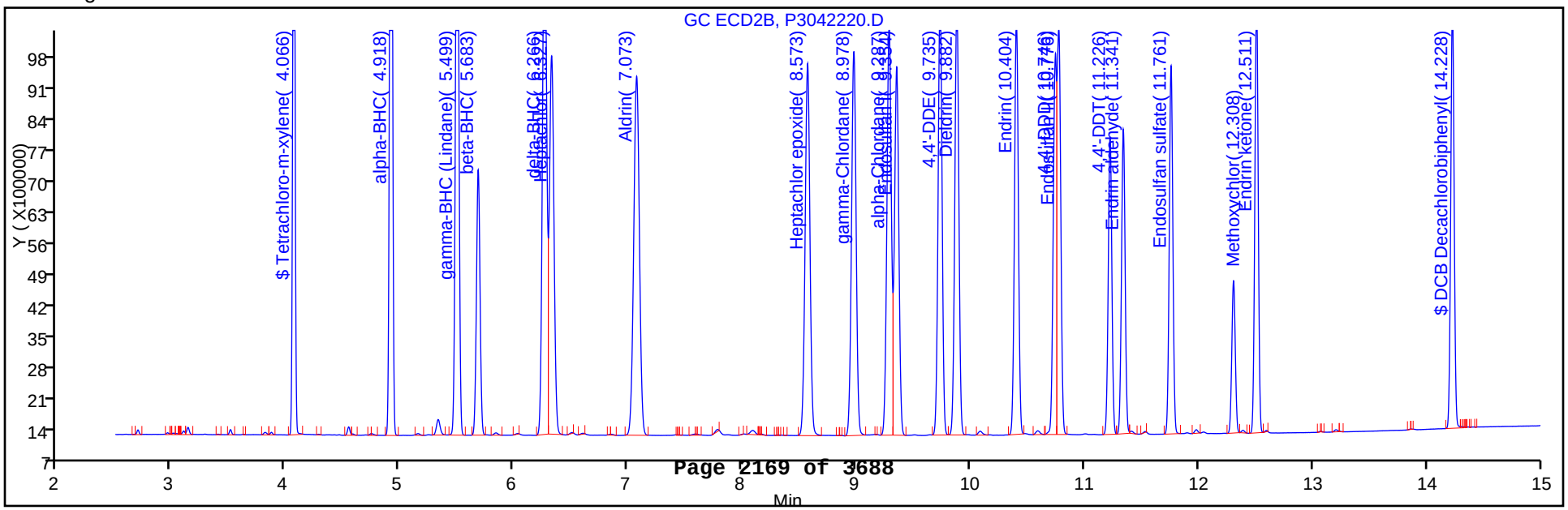
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042220.D

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			

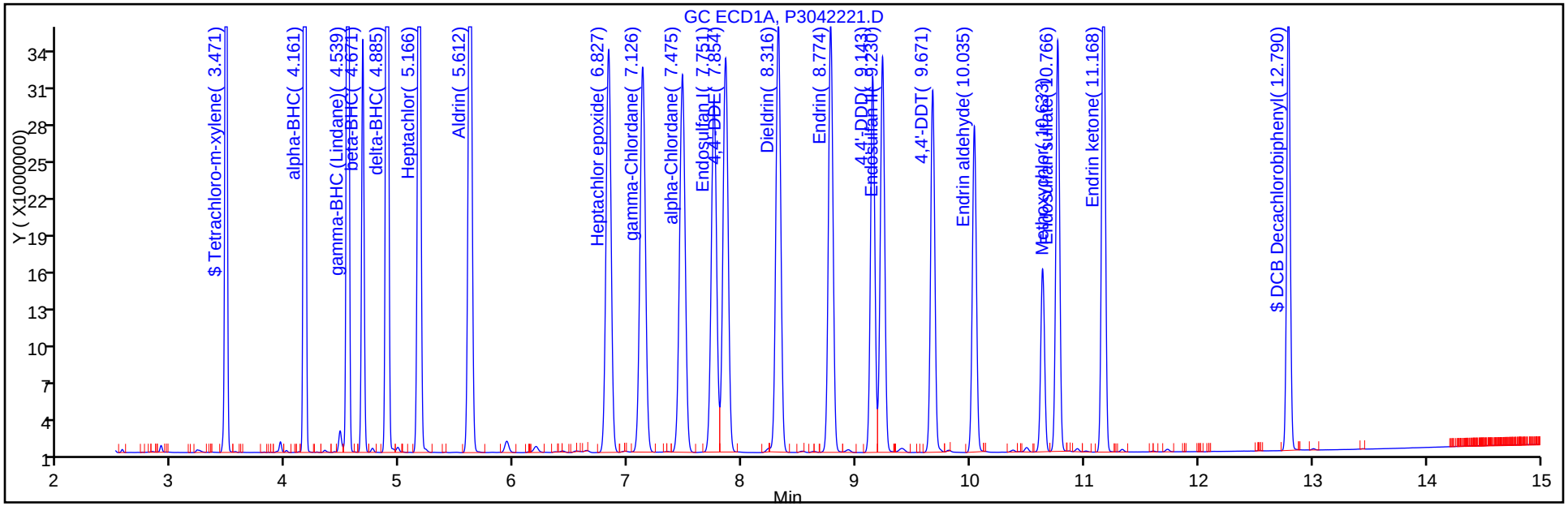
Report Date: 23-Apr-2013 12:22:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

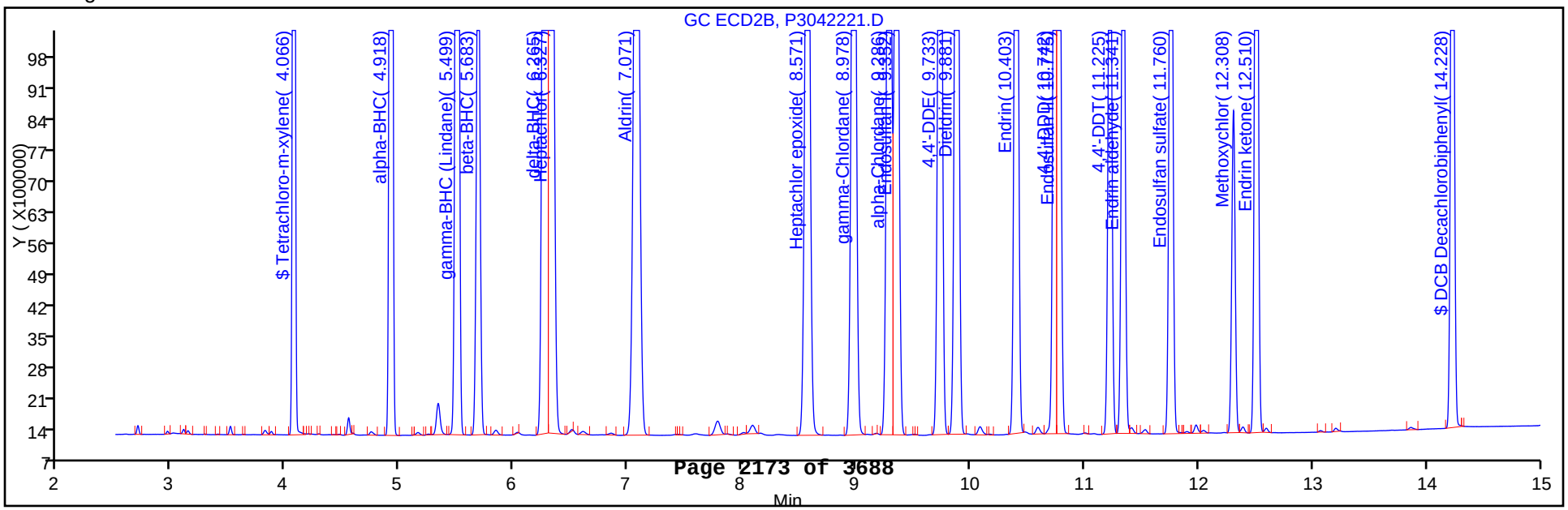
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042221.D

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			

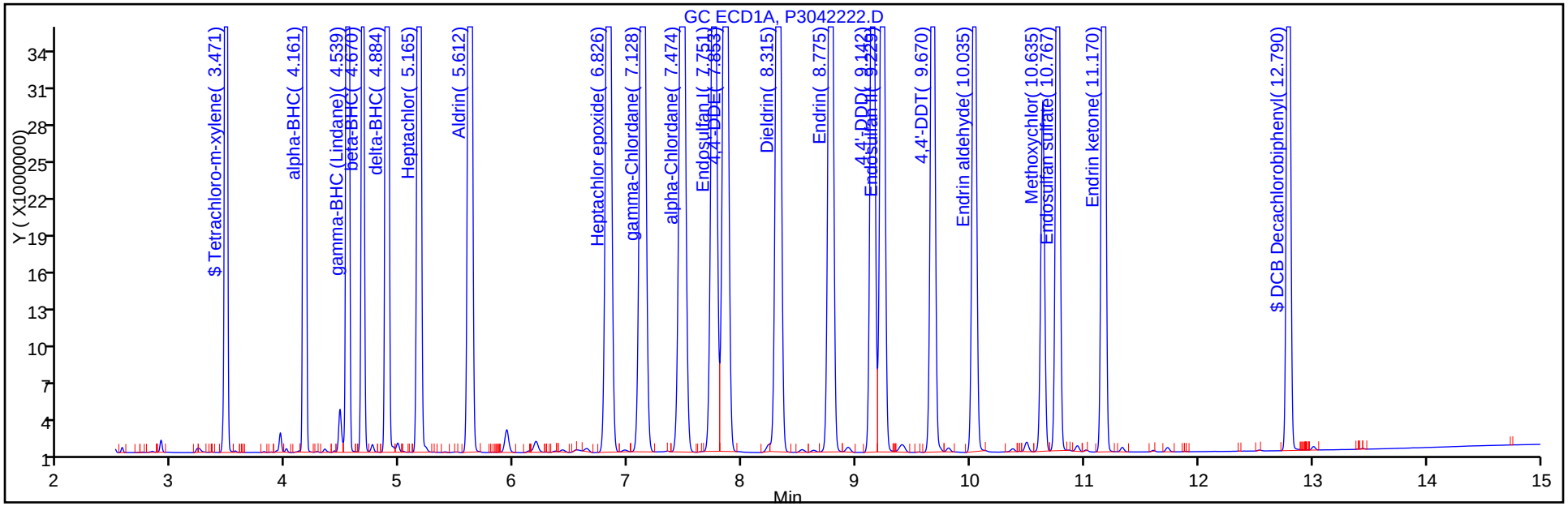
Report Date: 23-Apr-2013 12:22:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

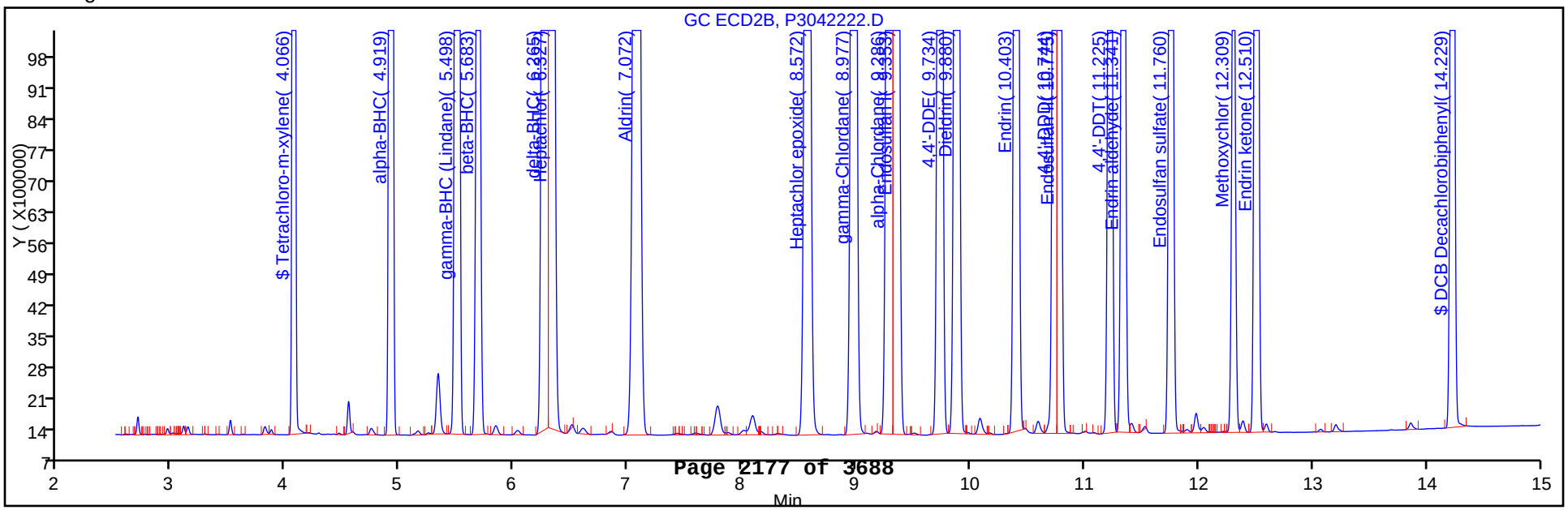
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D

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.: 240-22804-1

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			

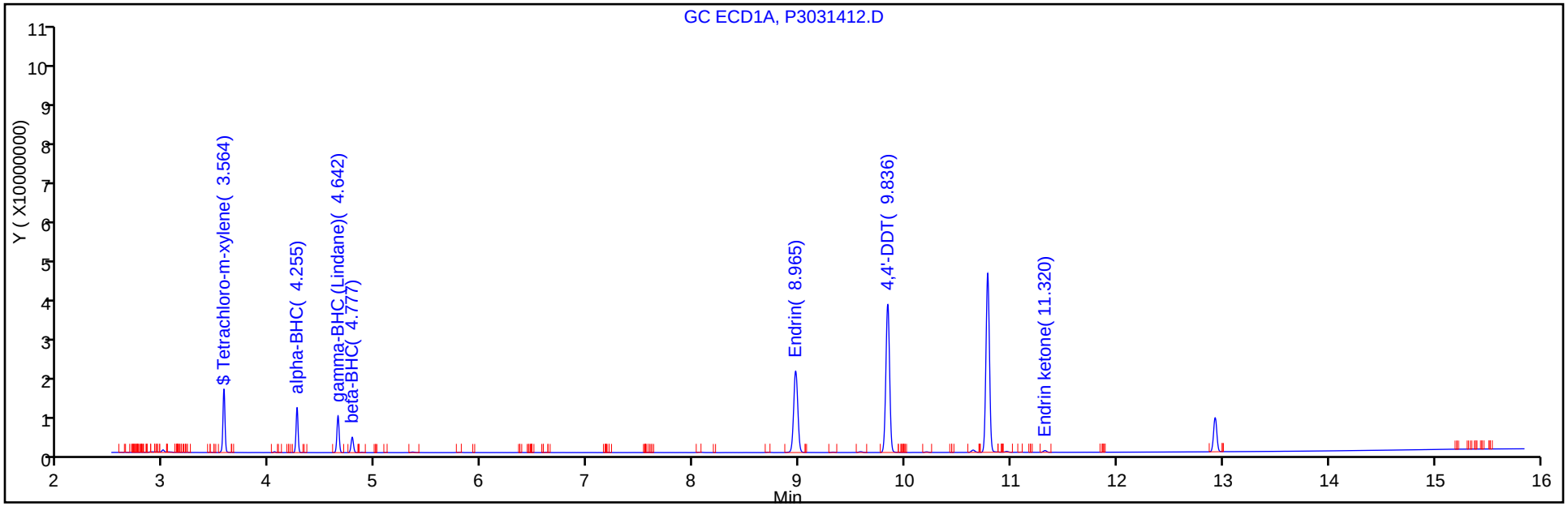
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

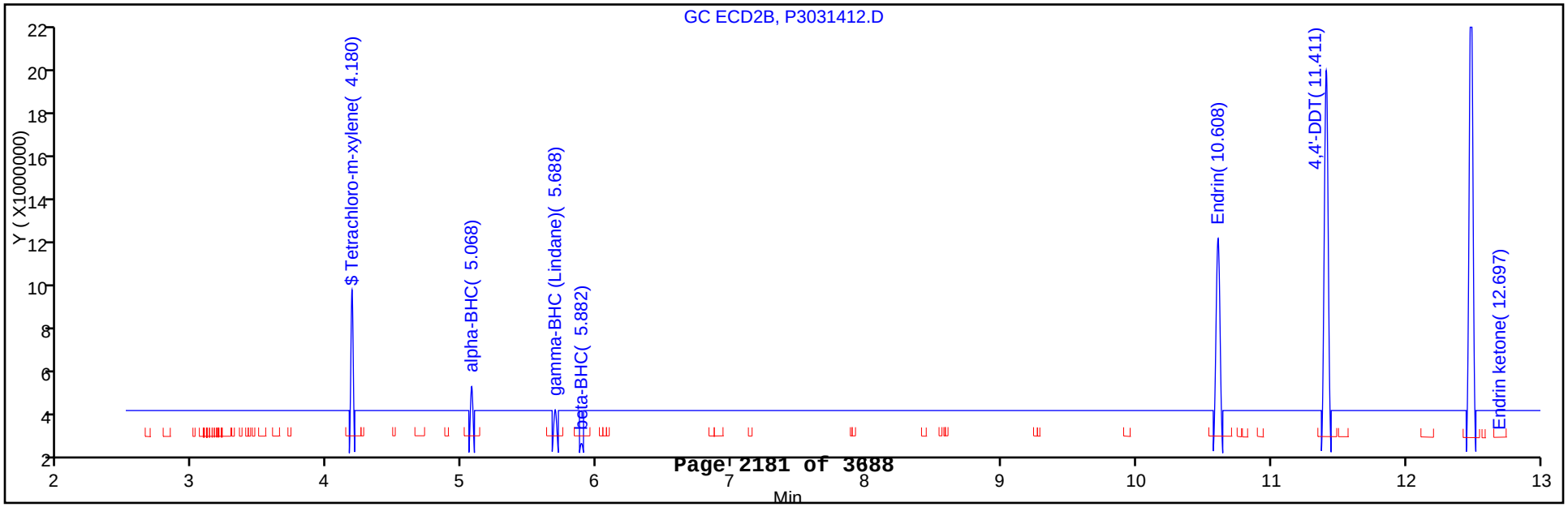
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D

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.: 240-22804-1

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			

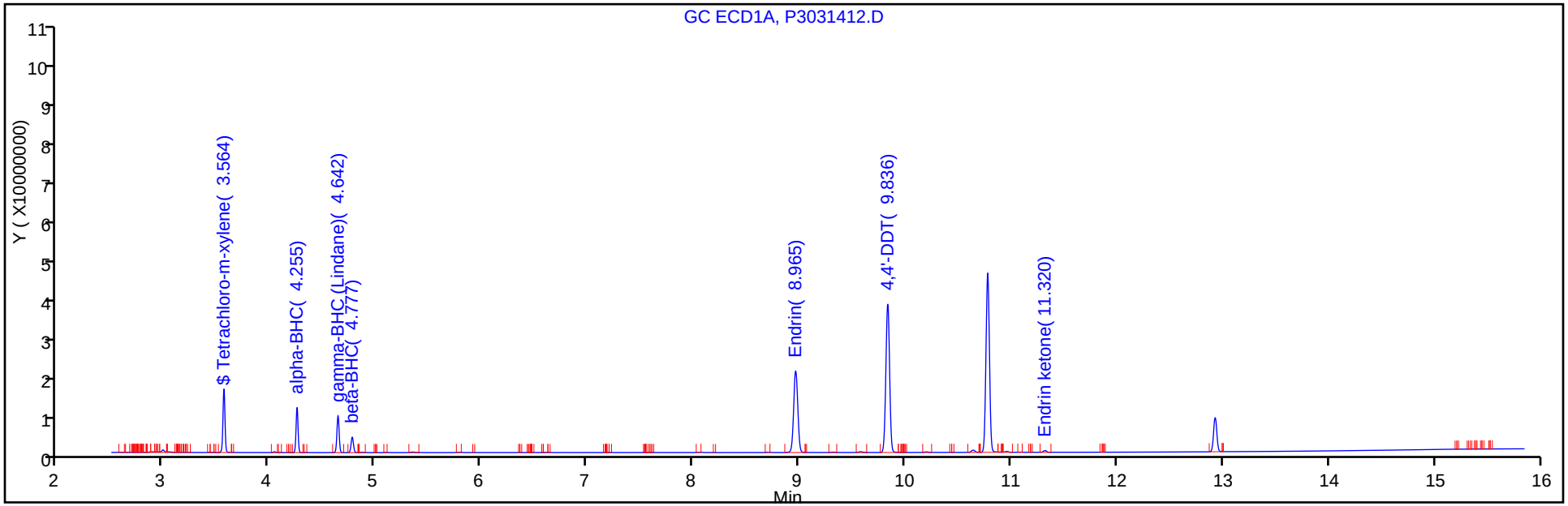
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

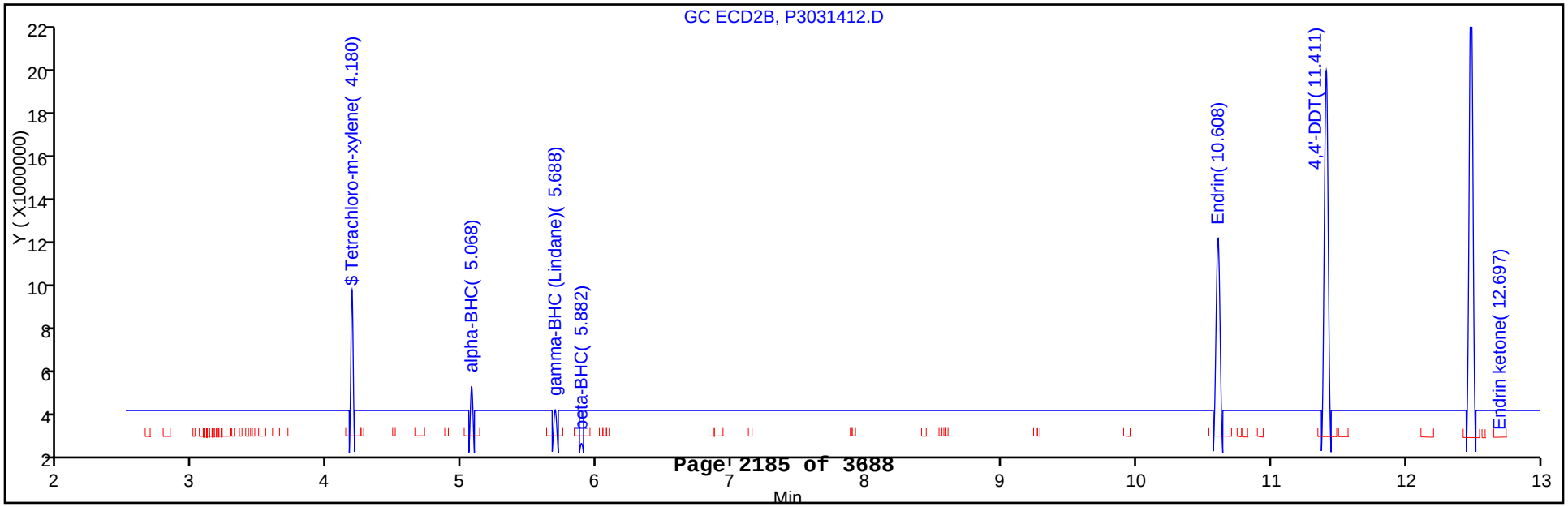
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D

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.: 240-22804-1

SDG No.:

Lab Sample ID: PEM 240-82129/4 Calibration Date: 04/16/2013 13:17

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: P3041604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.81	61519076	2.12	15	
Endrin aldehyde	10.07	517951			
Endrin ketone	11.20	813392			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.70	101307810	4.42	15	
4,4'-DDD	9.18	4443920			
4,4'-DDE	7.88	235608			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041604.D
Lims ID: PEM Client ID:
Inject. Date: 16-Apr-2013 13:17:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0018914-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82129 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130416-18914.b\PEST3.m
Last Update: 17-Apr-2013 10:53:39 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: XAWRK005

First Level Reviewer: shockr Date: 16-Apr-2013 13:54:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									M
1	100	3.489	3.494	-0.005	20392197	0.0185			
2	100	4.095	4.093	0.002	10757241	0.0178			
						RPD = 3.99			
5 alpha-BHC									
1	100	4.179	4.184	-0.005	15788274	0.009724			
2	100	4.952	4.949	0.003	7958162	0.0103			
						RPD = 6.11			
20 gamma-BHC (Lindane)									
1	100	4.559	4.564	-0.005	14615319	0.0100			
2	100	5.536	5.532	0.004	7344566	0.0108			
						RPD = 7.70			
7 beta-BHC									
1	100	4.691	4.697	-0.006	6579278	0.0106			
2	100	5.720	5.717	0.003	3495919	0.0118			
						RPD = 10.55			
2 4,4'-DDE									M
1	100	7.884	7.894	-0.010	235608	0.000186			
2	100	9.771	9.765	0.006	109529	0.000180			
						RPD = 3.52			
17 Endrin									
1	100	8.808	8.817	-0.009	61519076	0.0517			
2	100	10.439	10.435	0.004	30484913	0.0569			
						RPD = 9.50			
1 4,4'-DDD									
1	100	9.176	9.184	-0.008	4443920	0.004580			
2	100	10.775	10.774	0.001	2112406	0.004941			
						RPD = 7.58			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.702	9.710	-0.008	101307810	0.1099			
2	100	11.259	11.256	0.003	44481145	0.1125			
						RPD = 2.34			
18 Endrin aldehyde									M
1	100	10.069	10.074	-0.005	517951	0.000588			7
2	100	11.377	11.372	0.005	158251	0.000401			7
						RPD = 37.94			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.672						
2	100		12.337						
19 Endrin ketone									
1	100	11.199	11.206	-0.007	813392	0.000711			
2	100	12.545	12.539	0.006	572531	0.001142			
						RPD = 46.53			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

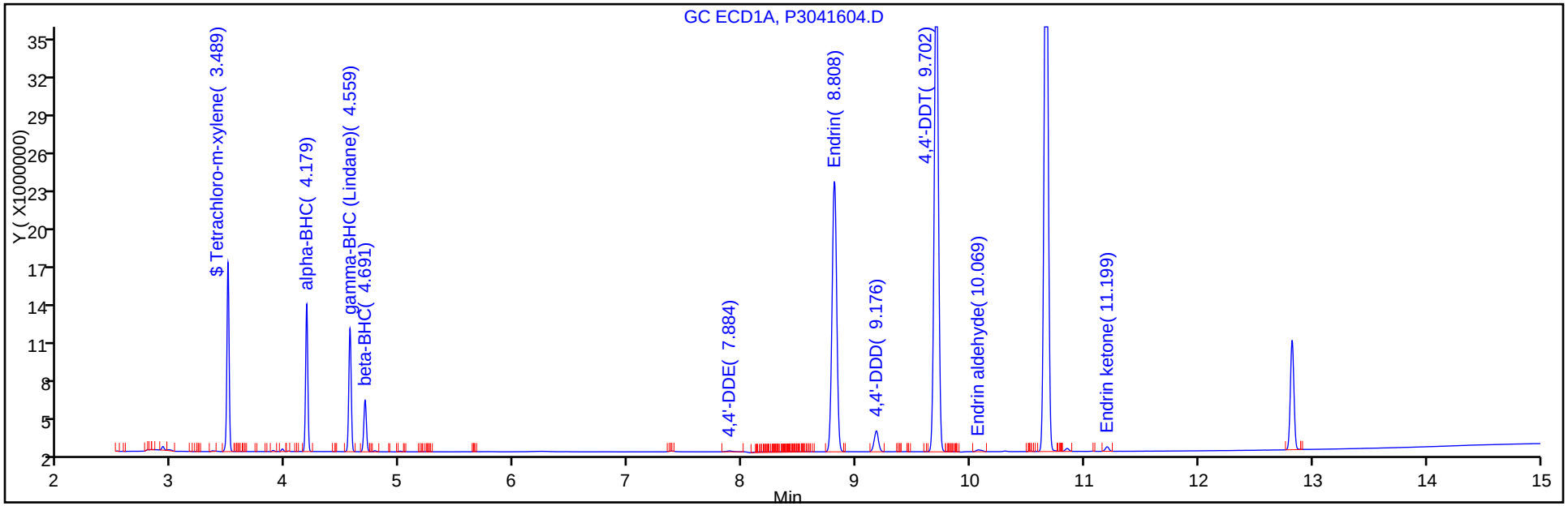
Report Date: 17-Apr-2013 10:53:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

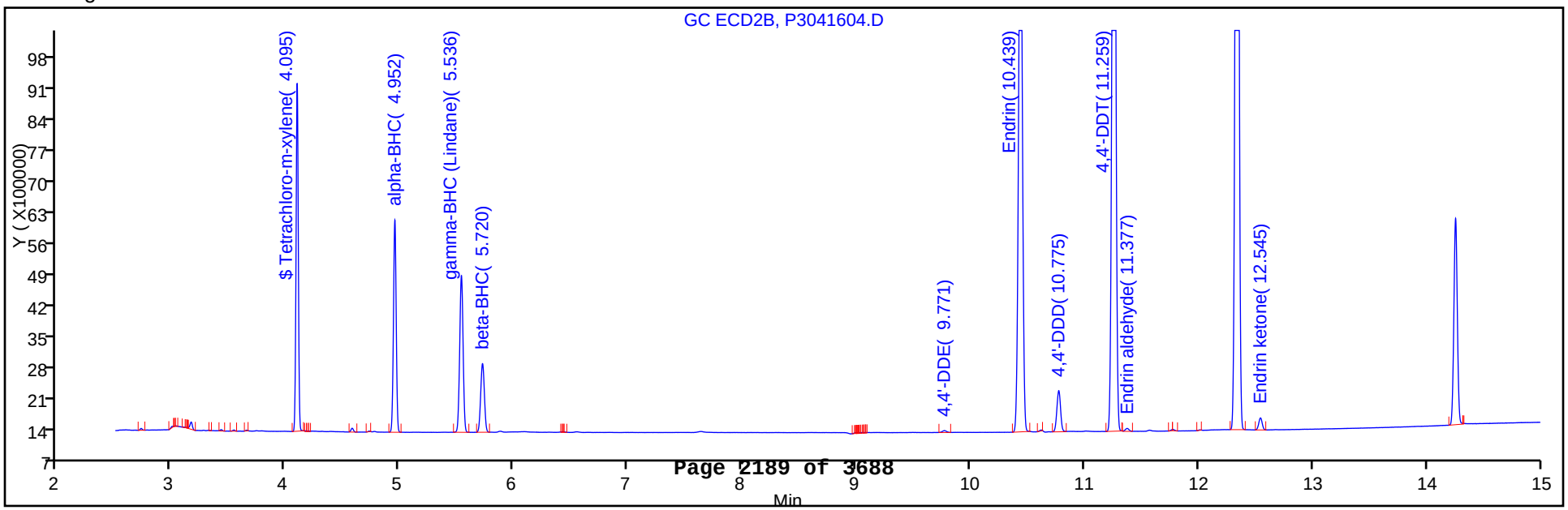
Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041604.D

Injection Date:	16-Apr-2013 13:17:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82129	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.: 240-22804-1

SDG No.:

Lab Sample ID: PEM 240-82129/4 Calibration Date: 04/16/2013 13:17

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: P3041604.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.44	30484913	2.34	15	
Endrin aldehyde	11.38	158251			
Endrin ketone	12.55	572531			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.26	44481145	4.76	15	
4,4'-DDD	10.78	2112406			
4,4'-DDE	9.77	109529			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041604.D
Lims ID: PEM Client ID:
Inject. Date: 16-Apr-2013 13:17:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0018914-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82129 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130416-18914.b\PEST3.m
Last Update: 17-Apr-2013 10:53:39 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: XAWRK005

First Level Reviewer: shockr Date: 16-Apr-2013 13:54:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									M
1	100	3.489	3.494	-0.005	20392197	0.0185			
2	100	4.095	4.093	0.002	10757241	0.0178			
						RPD = 3.99			
5 alpha-BHC									
1	100	4.179	4.184	-0.005	15788274	0.009724			
2	100	4.952	4.949	0.003	7958162	0.0103			
						RPD = 6.11			
20 gamma-BHC (Lindane)									
1	100	4.559	4.564	-0.005	14615319	0.0100			
2	100	5.536	5.532	0.004	7344566	0.0108			
						RPD = 7.70			
7 beta-BHC									
1	100	4.691	4.697	-0.006	6579278	0.0106			
2	100	5.720	5.717	0.003	3495919	0.0118			
						RPD = 10.55			
2 4,4'-DDE									M
1	100	7.884	7.894	-0.010	235608	0.000186			
2	100	9.771	9.765	0.006	109529	0.000180			
						RPD = 3.52			
17 Endrin									
1	100	8.808	8.817	-0.009	61519076	0.0517			
2	100	10.439	10.435	0.004	30484913	0.0569			
						RPD = 9.50			
1 4,4'-DDD									
1	100	9.176	9.184	-0.008	4443920	0.004580			
2	100	10.775	10.774	0.001	2112406	0.004941			
						RPD = 7.58			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.702	9.710	-0.008	101307810	0.1099			
2	100	11.259	11.256	0.003	44481145	0.1125			
						RPD = 2.34			
18 Endrin aldehyde									M
1	100	10.069	10.074	-0.005	517951	0.000588			7
2	100	11.377	11.372	0.005	158251	0.000401			7
						RPD = 37.94			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.672						
2	100		12.337						
19 Endrin ketone									
1	100	11.199	11.206	-0.007	813392	0.000711			
2	100	12.545	12.539	0.006	572531	0.001142			
						RPD = 46.53			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

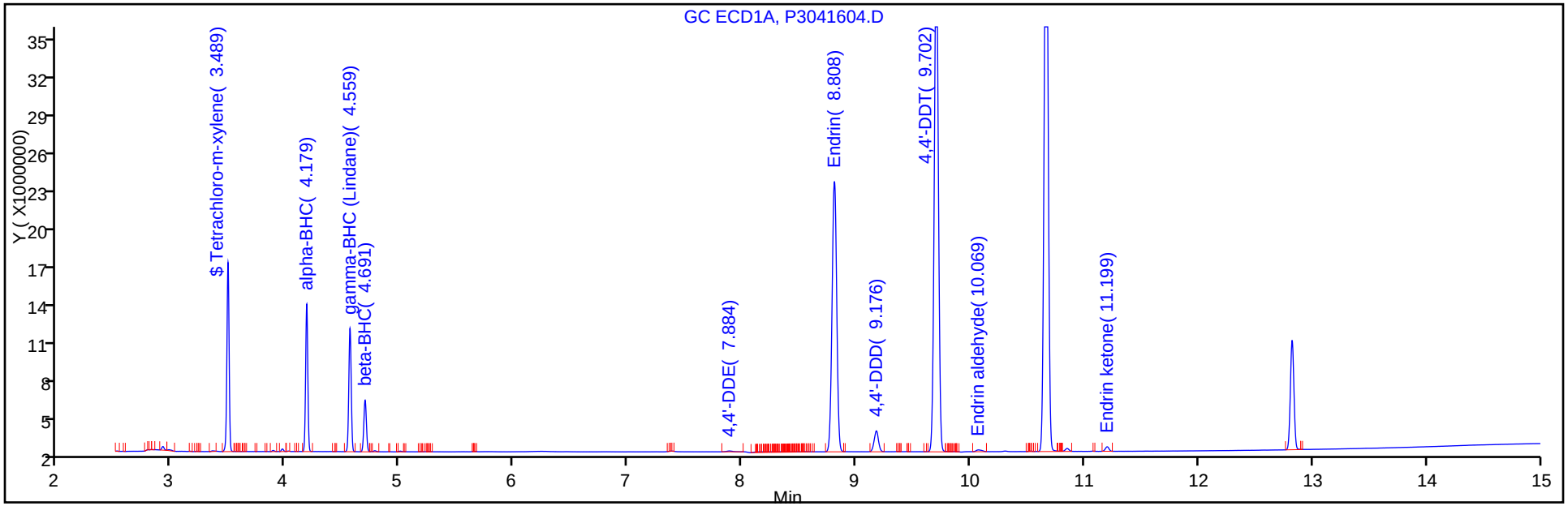
Report Date: 17-Apr-2013 10:53:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

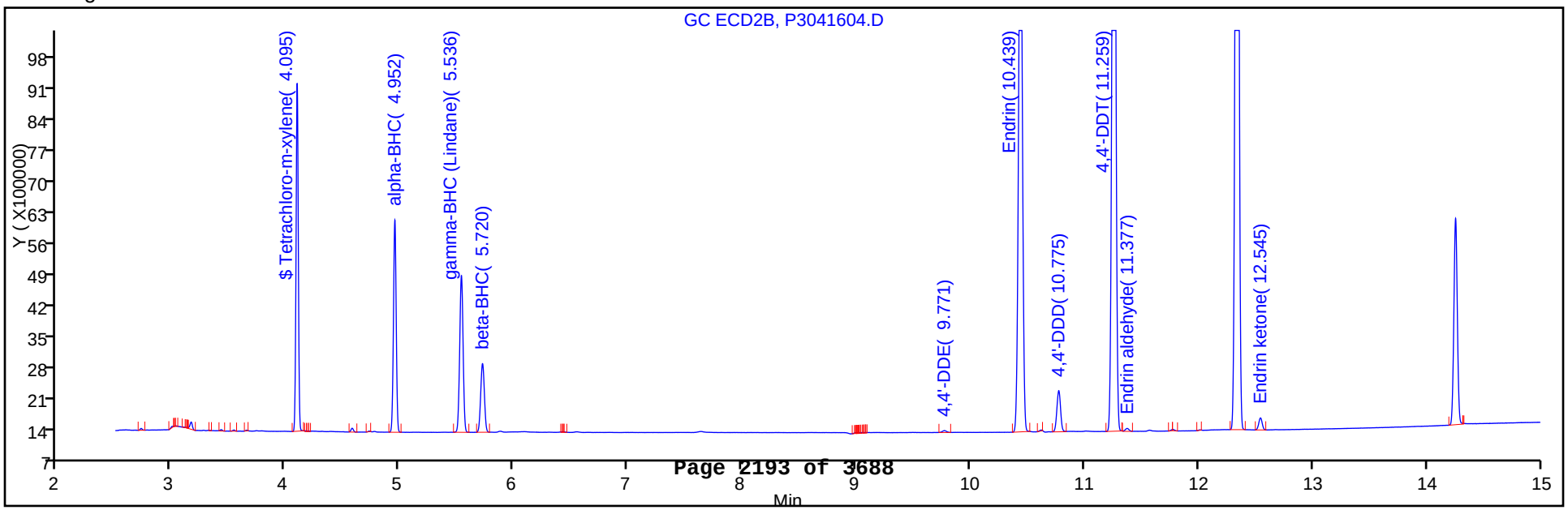
Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041604.D

Injection Date:	16-Apr-2013 13:17:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82129	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



Report Date: 17-Apr-2013 10:53:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

TestAmerica Canton

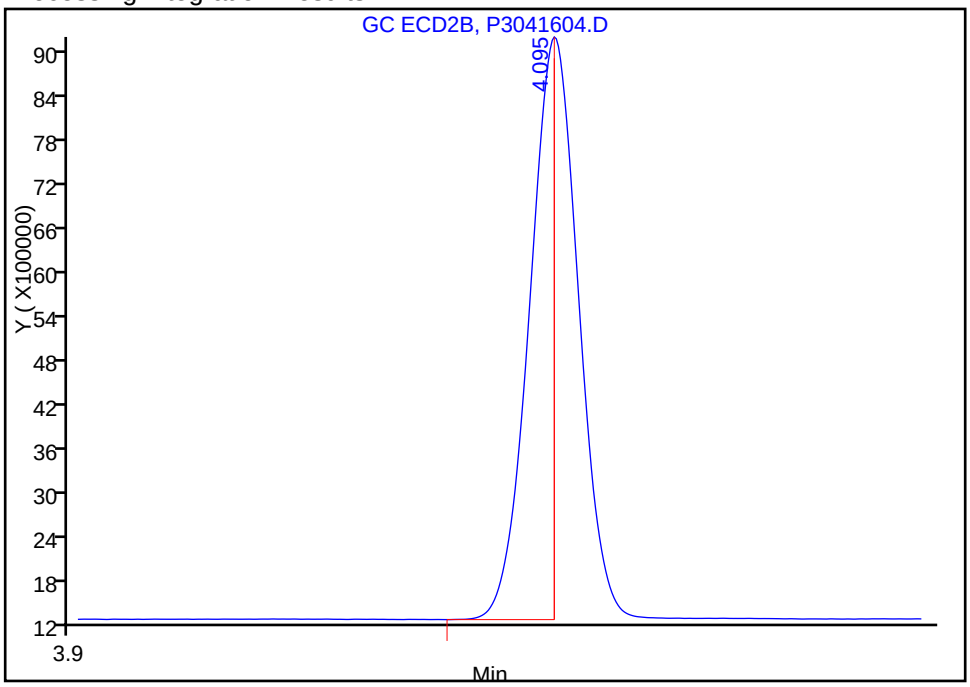
Data File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041604.D

Injection Date:	16-Apr-2013 13:17:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82129	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 29 Tetrachloro-m-xylene, Signal: 2, Type: quant, RT: 4.09, Det: GC ecd2b

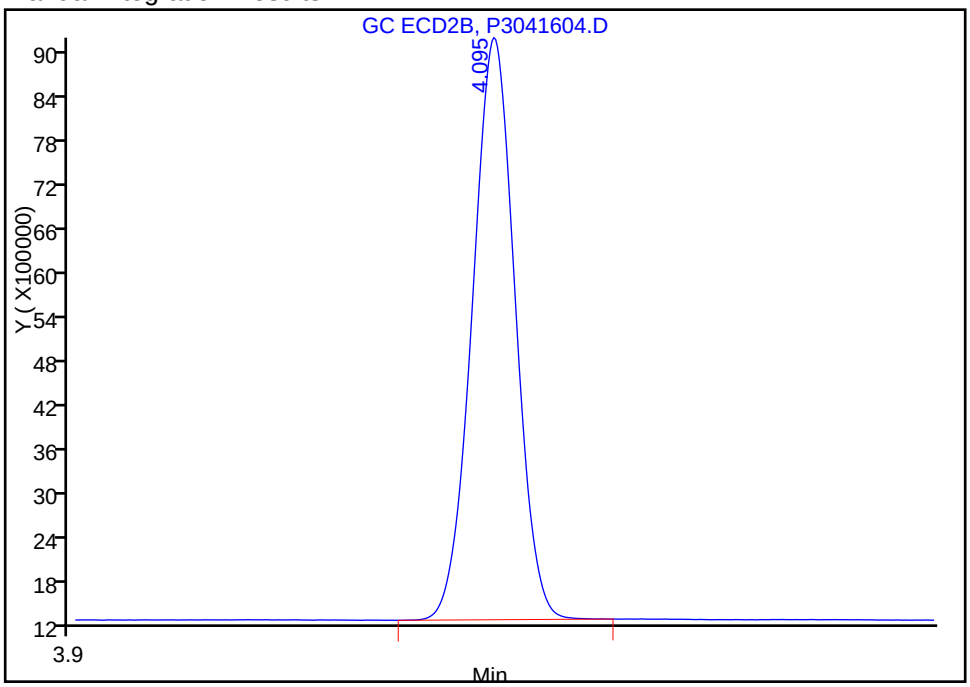
Processing Integration Results

RT: 4.10
Response: 5360279
Amount: 0.008875



Manual Integration Results

RT: 4.10
Response: 10757241
Amount: 0.017811



Reviewer: shockr, 16-Apr-2013 13:54:45
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22804-1

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

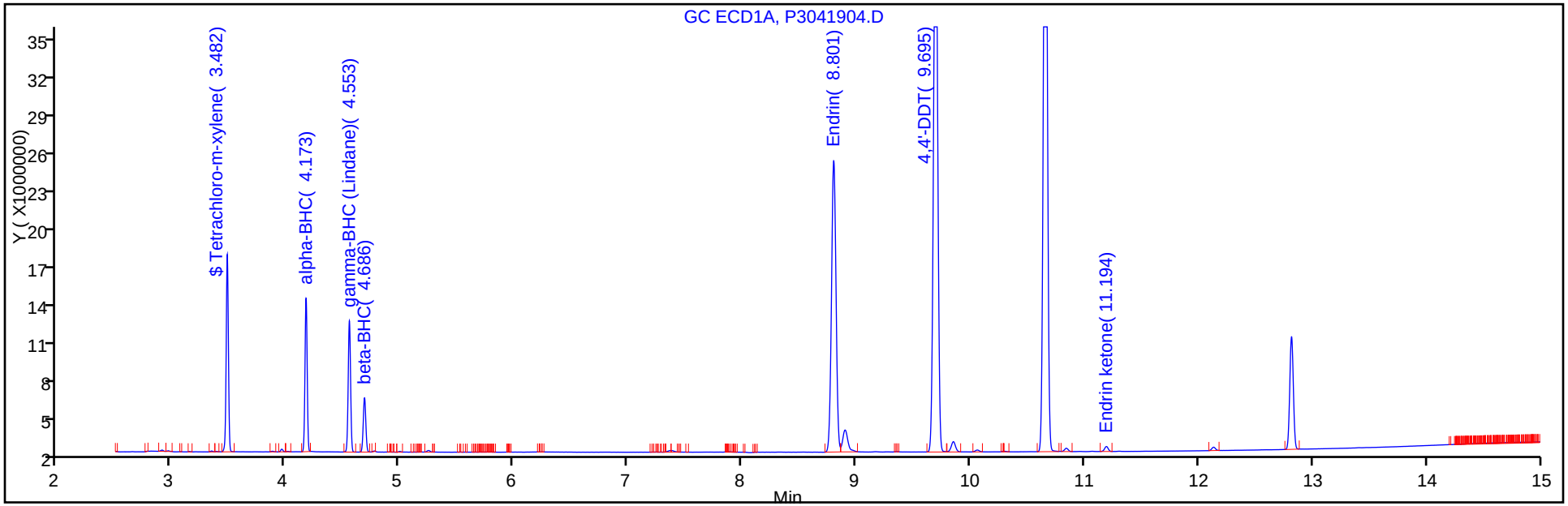
Report Date: 20-Apr-2013 07:39:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

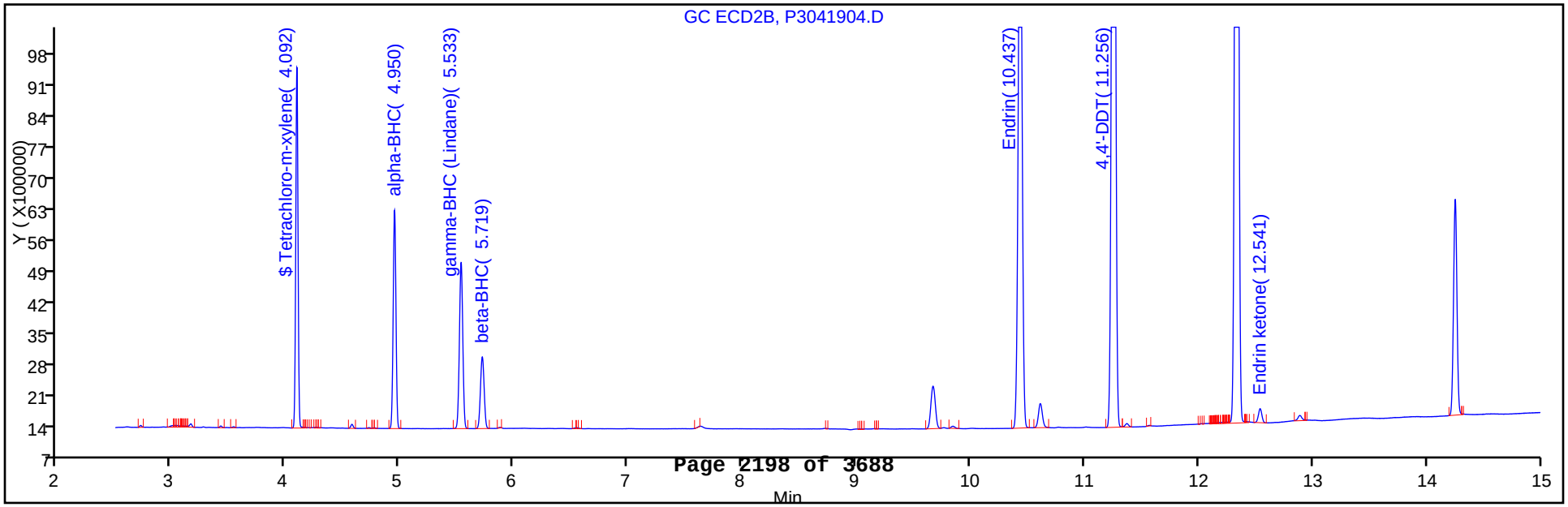
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041904.D

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.: 240-22804-1

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

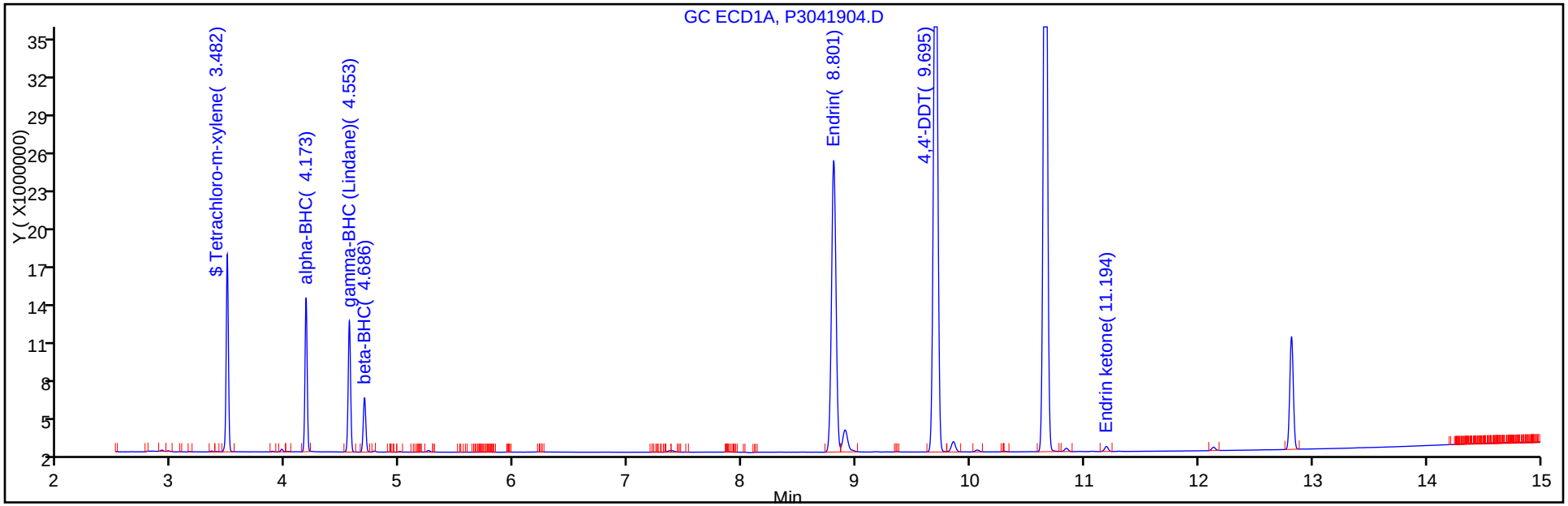
Report Date: 20-Apr-2013 07:39:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

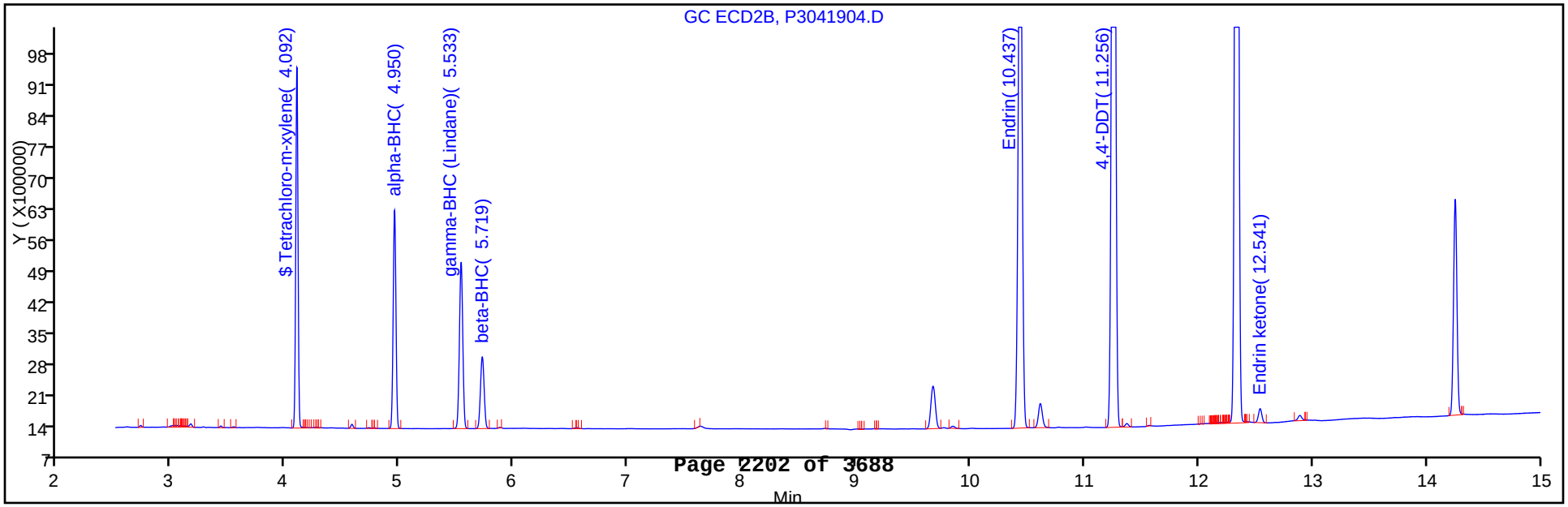
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041904.D

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.: 240-22804-1

SDG No.:

Lab Sample ID: PEM 240-82857/26 Calibration Date: 04/20/2013 21:25

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: P3042026.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.41	24956137	4.60	15	
Endrin aldehyde		0			
Endrin ketone	12.52	1202422			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.24	13830475	46.16	15	*
4,4'-DDD	10.75	11856356			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042026.D
Lims ID: PEM Client ID:
Inject. Date: 20-Apr-2013 21:25:18 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019105-026
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 82857 Lims Sample ID: 26
Sublist:
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	20608995	0.0187			
2	100	4.069	4.071	-0.002	10754372	0.0178			
						RPD = 5.07			
5 alpha-BHC									
1	100	4.164	4.164	0.000	15467734	0.009526			
2	100	4.923	4.924	-0.001	7668433	0.0100			
						RPD = 4.45			
20 gamma-BHC (Lindane)									
1	100	4.541	4.542	-0.001	13226962	0.009089			
2	100	5.505	5.506	-0.001	6657258	0.009833			
						RPD = 7.86			
7 beta-BHC									
1	100	4.675	4.675	0.000	6079602	0.009830			
2	100	5.690	5.692	-0.002	3253956	0.0110			
						RPD = 11.27			
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
17 Endrin									
1	100	8.785	8.787	-0.002	52764133	0.0444			
2	100	10.411	10.412	-0.001	24956137	0.0466			
						RPD = 4.85			
1 4,4'-DDD									
1	100	9.152	9.153	-0.001	24768769	0.0255			
2	100	10.750	10.754	-0.004	11856356	0.0277			
						RPD = 8.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.678	9.681	-0.003	29455452	0.0319			
2	100	11.235	11.236	-0.001	13830475	0.0350			
						RPD = 9.04			
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
27 Methoxychlor									
1	100	10.640	10.641	-0.001	44964425	0.0974			
2	100	12.320	12.321	-0.001	17525382	0.0878			
						RPD = 10.37			
19 Endrin ketone									
1	100	11.175	11.176	-0.001	2130551	0.001861			
2	100	12.521	12.522	-0.001	1202422	0.002397			
						RPD = 25.18			

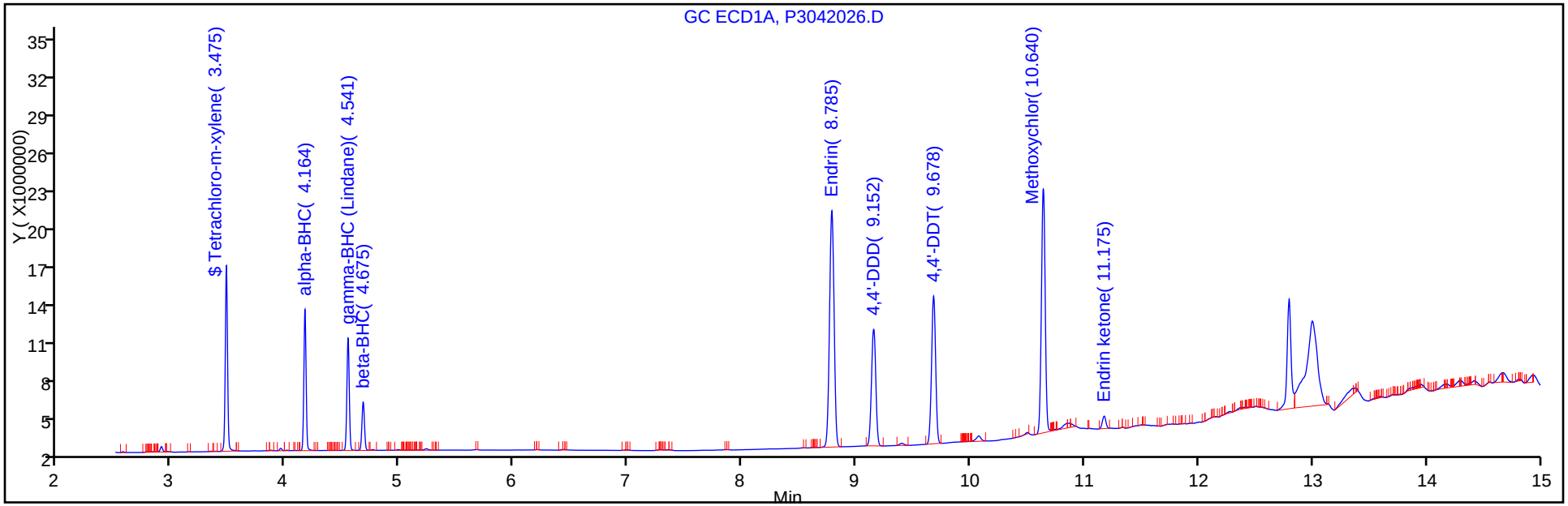
Report Date: 22-Apr-2013 10:31:14 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

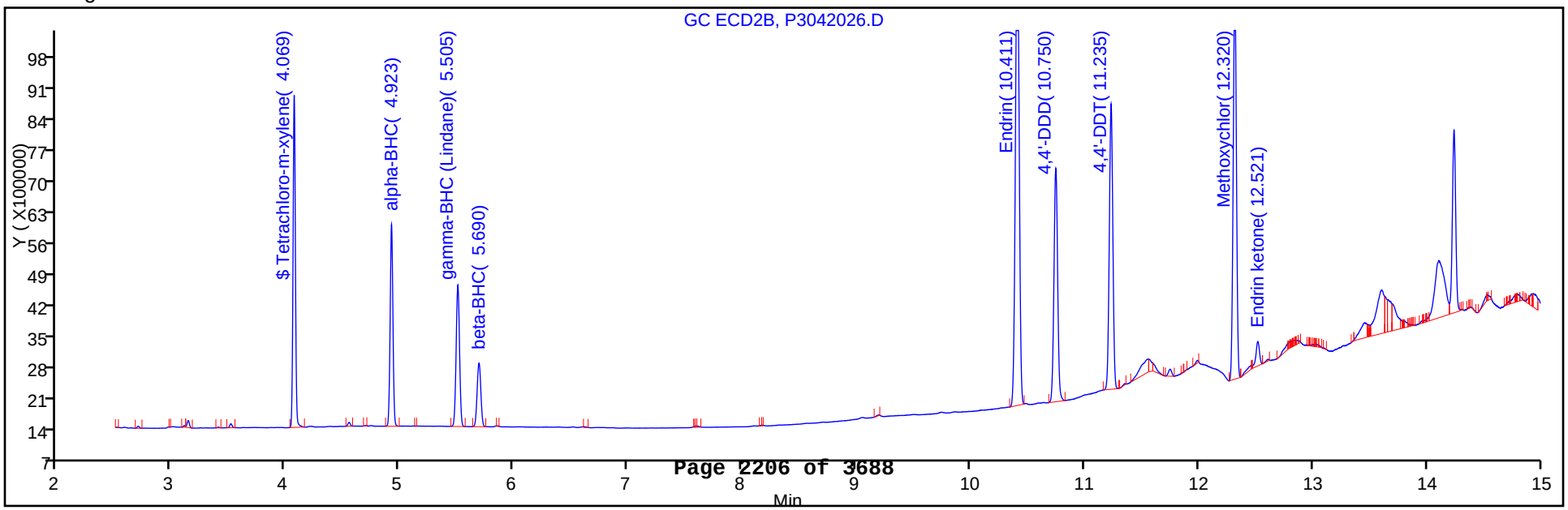
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042026.D

Injection Date:	20-Apr-2013 21:25:18	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	26
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.: 240-22804-1

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

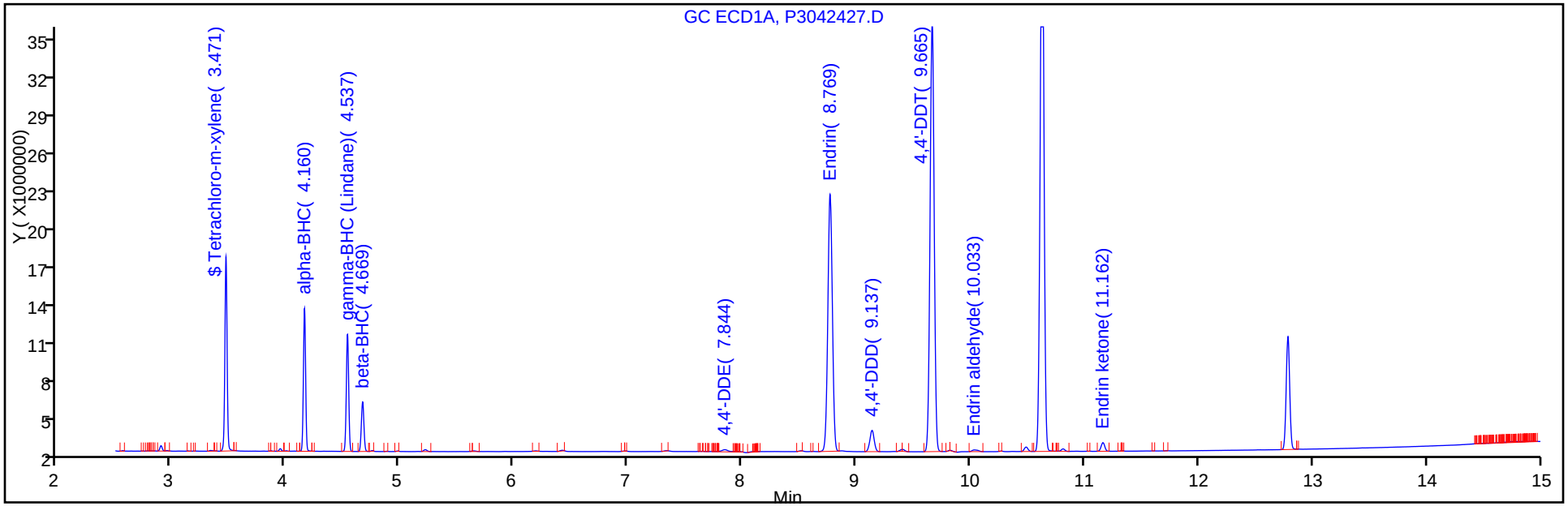
Report Date: 25-Apr-2013 07:51:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

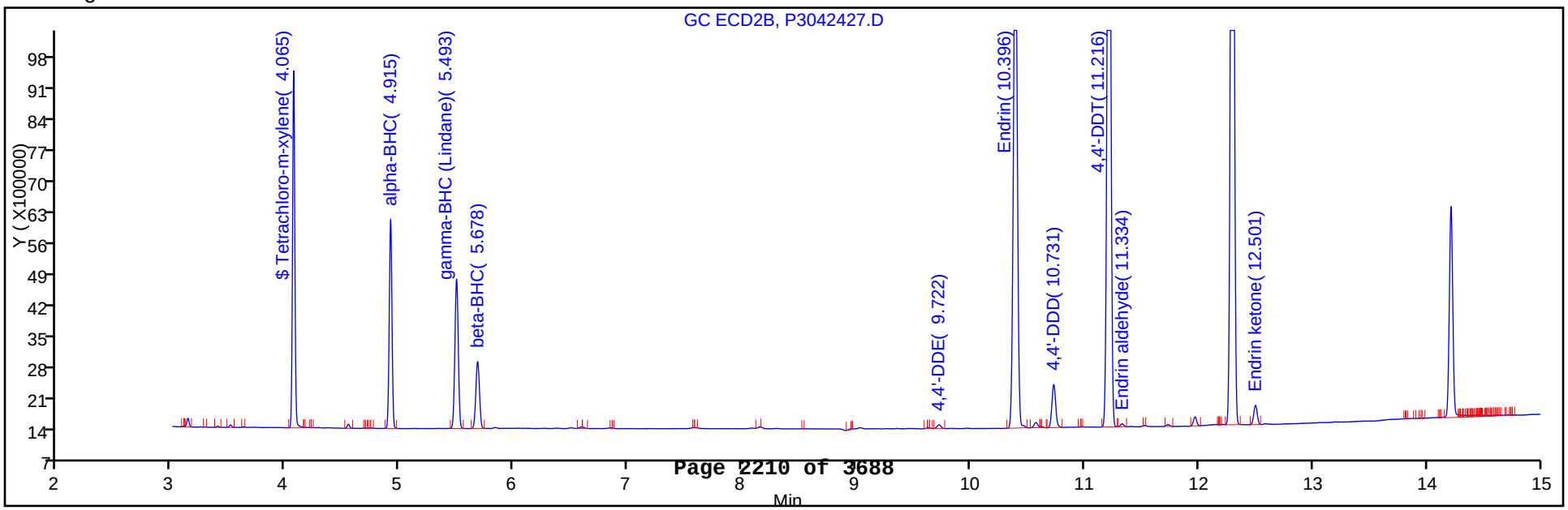
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042427.D

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.: 240-22804-1

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

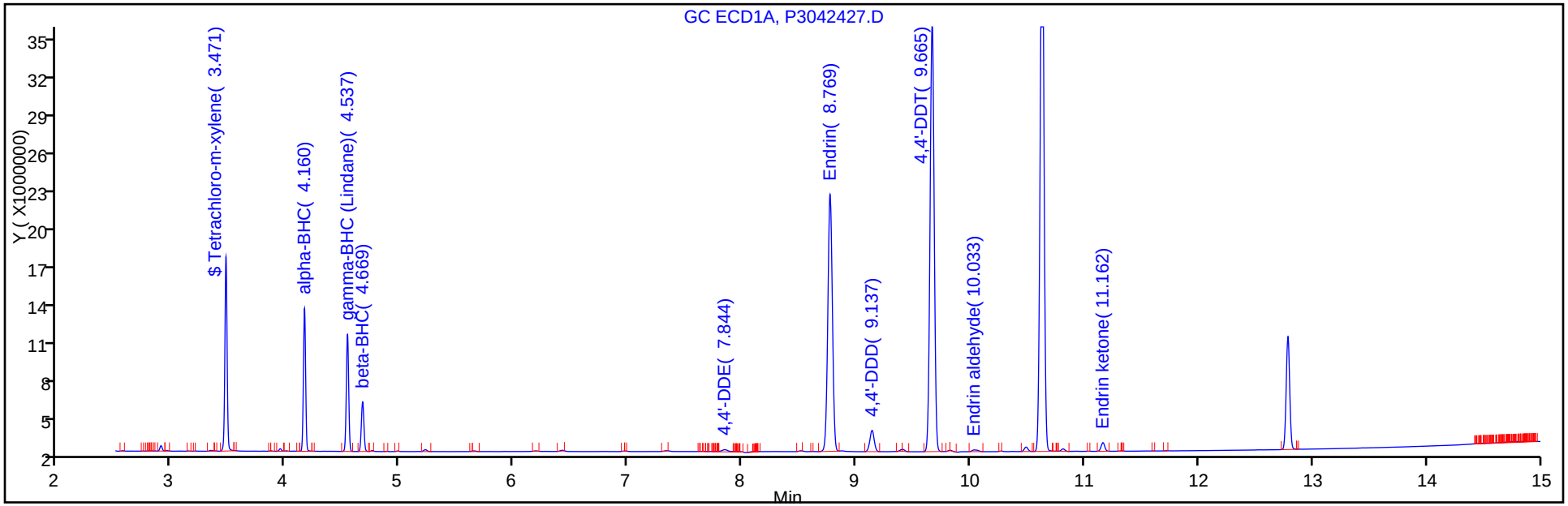
Report Date: 25-Apr-2013 07:51:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

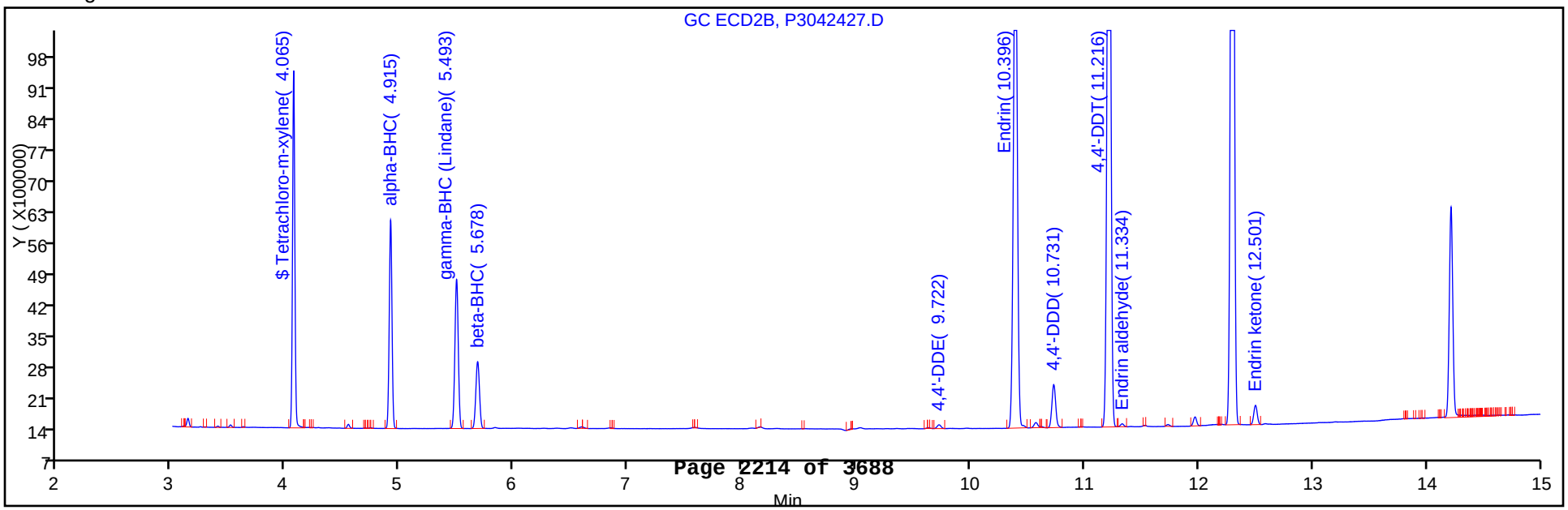
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042427.D

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.: 240-22804-1

SDG No.:

Lab Sample ID: PEM 240-83482/4 Calibration Date: 04/25/2013 08:56

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: P3042504.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.76	45407250	4.05	15	
Endrin aldehyde	10.02	387225			
Endrin ketone	11.15	1531054			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.65	74506040	2.40	15	
4,4'-DDD	9.13	1323890			
4,4'-DDE	7.83	509644			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042504.D
Lims ID: PEM Client ID:
Inject. Date: 25-Apr-2013 08:56:43 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019246-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 83482 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
Last Update: 25-Apr-2013 15:39:56 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 09:20:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.465	3.472	-0.007	19778047	0.0224			
2	100	4.068	4.066	0.002	10652674	0.0222			
						RPD = 1.02			
5 alpha-BHC									
1	100	4.153	4.160	-0.007	14167704	0.0104			
2	100	4.918	4.917	0.001	7309981	0.0102			
						RPD = 1.81			
20 gamma-BHC (Lindane)									
1	100	4.530	4.537	-0.007	12310288	0.0102			
2	100	5.498	5.497	0.001	6442306	0.0103			
						RPD = 0.90			
7 beta-BHC									
1	100	4.663	4.670	-0.007	5705935	0.0110			
2	100	5.683	5.681	0.002	3172664	0.0114			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.833	7.849	-0.016	509644	0.000526			
2	100	9.732	9.727	0.005	226963	0.000457			
						RPD = 14.10			
17 Endrin									M
1	100	8.760	8.771	-0.011	45407250	0.0489			
2	100	10.400	10.398	0.002	22755549	0.0496			M
						RPD = 1.56			
1 4,4'-DDD									
1	100	9.128	9.137	-0.009	1323890	0.001770			
2	100	10.737	10.737	0.000	763652	0.002190			
						RPD = 21.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.654	9.664	-0.010	74506040	0.1060			
2	100	11.221	11.218	0.003	34564863	0.1116			
						RPD = 5.19			
18 Endrin aldehyde									
1	100	10.023	10.030	-0.007	387225	0.000601			7
2	100	11.337	11.334	0.003	139615	0.000432			7
						RPD = 32.75			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.627						
2	100		12.301						
19 Endrin ketone									
1	100	11.154	11.164	-0.010	1531054	0.001705			
2	100	12.506	12.502	0.004	894447	0.002081			
						RPD = 19.88			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

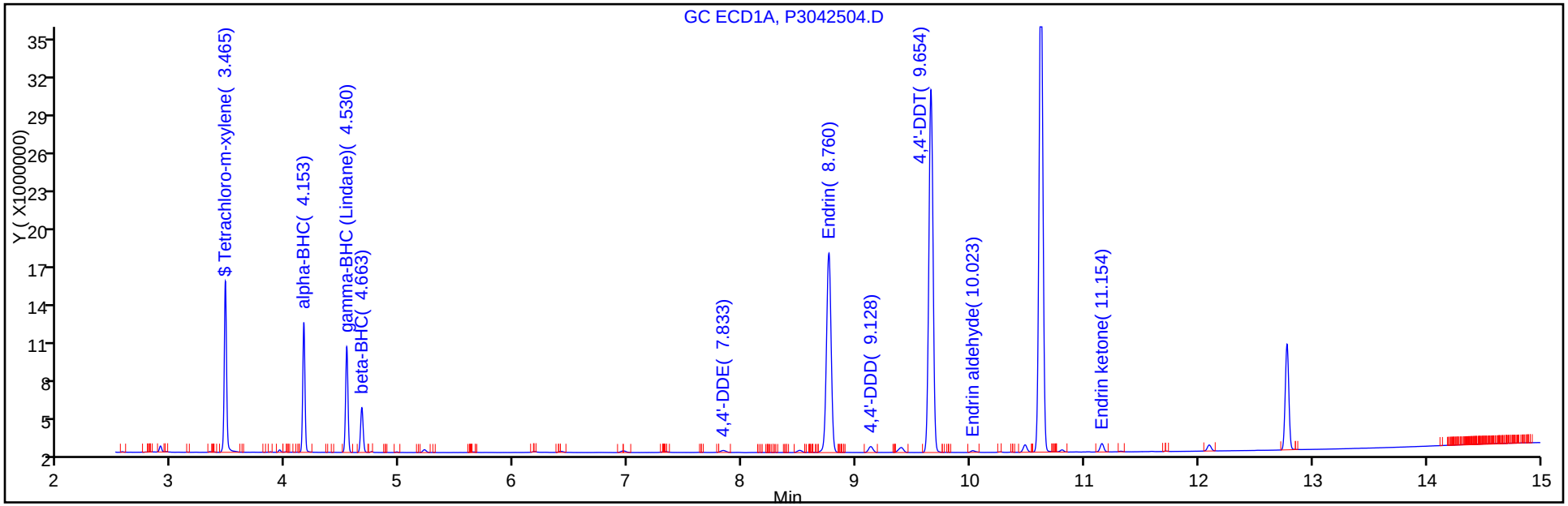
Report Date: 25-Apr-2013 15:39:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

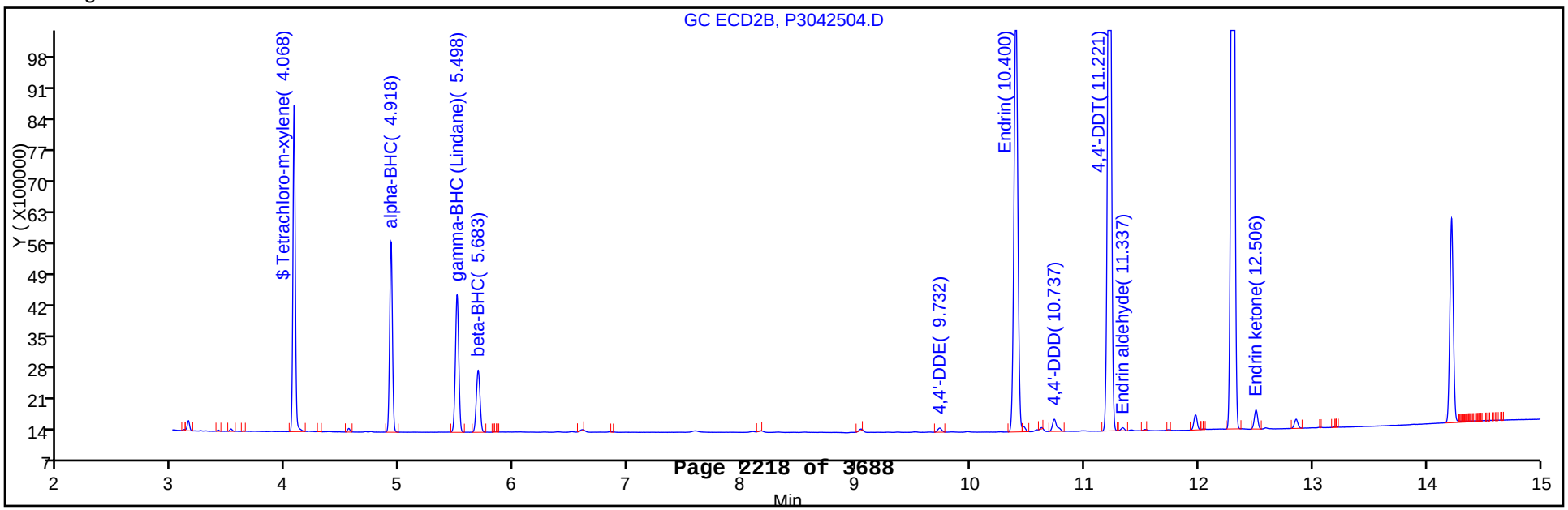
Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042504.D

Injection Date:	25-Apr-2013 08:56:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83482	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.: 240-22804-1

SDG No.:

Lab Sample ID: PEM 240-83482/4 Calibration Date: 04/25/2013 08:56

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: P3042504.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.40	22755549	4.35	15	
Endrin aldehyde	11.34	139615			
Endrin ketone	12.51	894447			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.22	34564863	2.79	15	
4,4'-DDD	10.74	763652			
4,4'-DDE	9.73	226963			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042504.D
Lims ID: PEM Client ID:
Inject. Date: 25-Apr-2013 08:56:43 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019246-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 83482 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130425-19246.b\PEST3.m
Last Update: 25-Apr-2013 15:39:56 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 09:20:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.465	3.472	-0.007	19778047	0.0224			
2	100	4.068	4.066	0.002	10652674	0.0222			
						RPD = 1.02			
5 alpha-BHC									
1	100	4.153	4.160	-0.007	14167704	0.0104			
2	100	4.918	4.917	0.001	7309981	0.0102			
						RPD = 1.81			
20 gamma-BHC (Lindane)									
1	100	4.530	4.537	-0.007	12310288	0.0102			
2	100	5.498	5.497	0.001	6442306	0.0103			
						RPD = 0.90			
7 beta-BHC									
1	100	4.663	4.670	-0.007	5705935	0.0110			
2	100	5.683	5.681	0.002	3172664	0.0114			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.833	7.849	-0.016	509644	0.000526			
2	100	9.732	9.727	0.005	226963	0.000457			
						RPD = 14.10			
17 Endrin									M
1	100	8.760	8.771	-0.011	45407250	0.0489			
2	100	10.400	10.398	0.002	22755549	0.0496			M
						RPD = 1.56			
1 4,4'-DDD									
1	100	9.128	9.137	-0.009	1323890	0.001770			
2	100	10.737	10.737	0.000	763652	0.002190			
						RPD = 21.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.654	9.664	-0.010	74506040	0.1060			
2	100	11.221	11.218	0.003	34564863	0.1116			
						RPD = 5.19			
18 Endrin aldehyde									
1	100	10.023	10.030	-0.007	387225	0.000601			7
2	100	11.337	11.334	0.003	139615	0.000432			7
						RPD = 32.75			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.627						
2	100		12.301						
19 Endrin ketone									
1	100	11.154	11.164	-0.010	1531054	0.001705			
2	100	12.506	12.502	0.004	894447	0.002081			
						RPD = 19.88			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

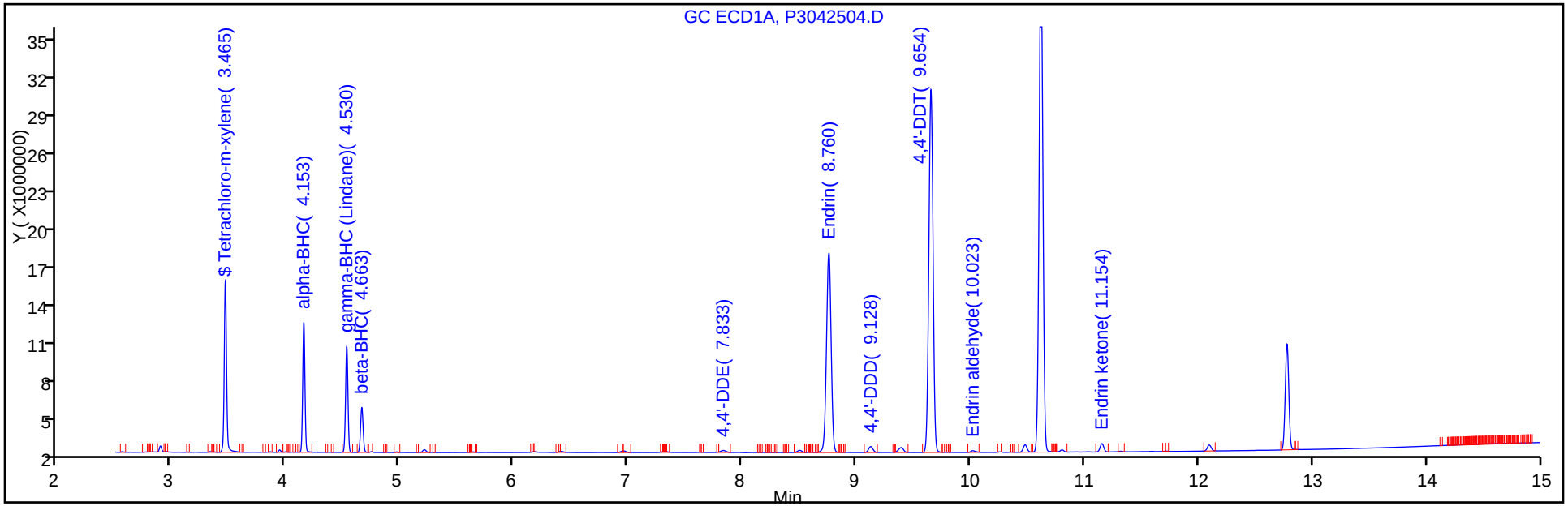
Report Date: 25-Apr-2013 15:39:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

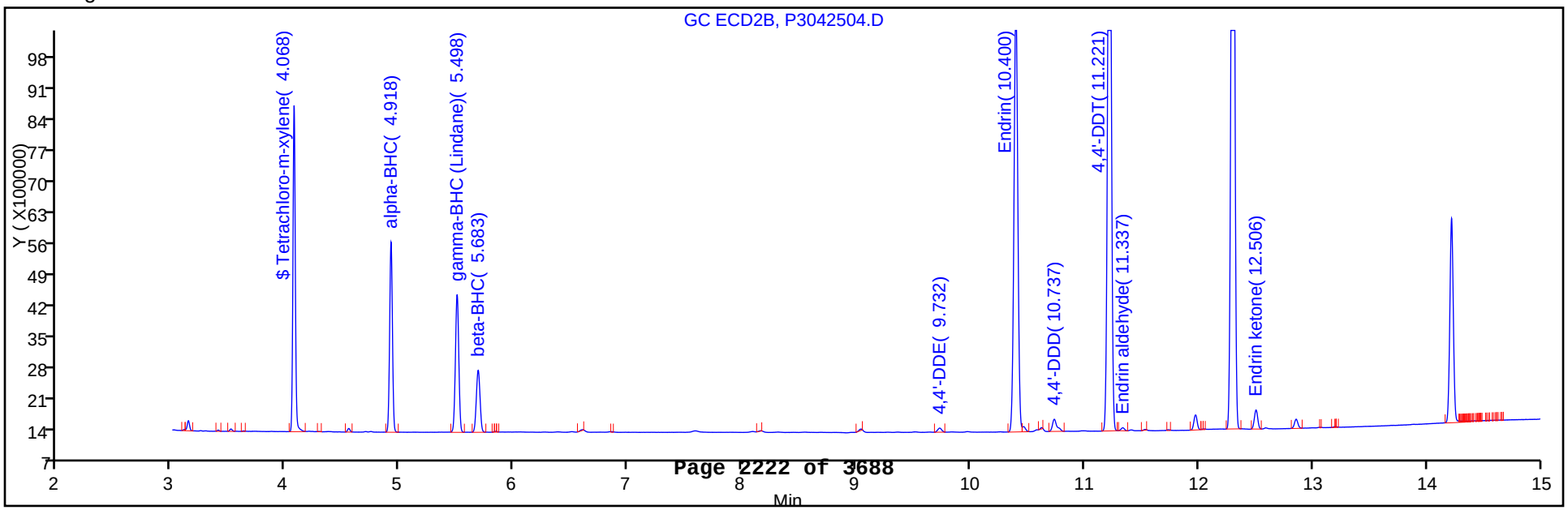
Data File: \\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042504.D

Injection Date:	25-Apr-2013 08:56:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83482	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



Report Date: 25-Apr-2013 15:39:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

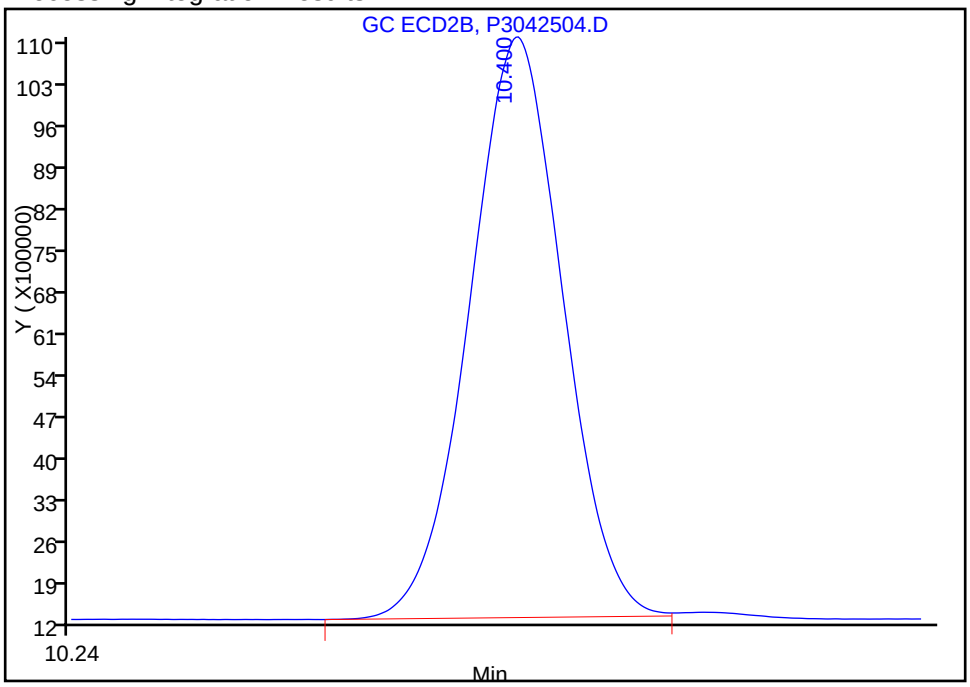
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130425-19246.b\P3042504.D		
Injection Date:	25-Apr-2013 08:56:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83482	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

17 Endrin, Signal: 2, Type: quant, RT: 10.40, Det: GC ecd2b

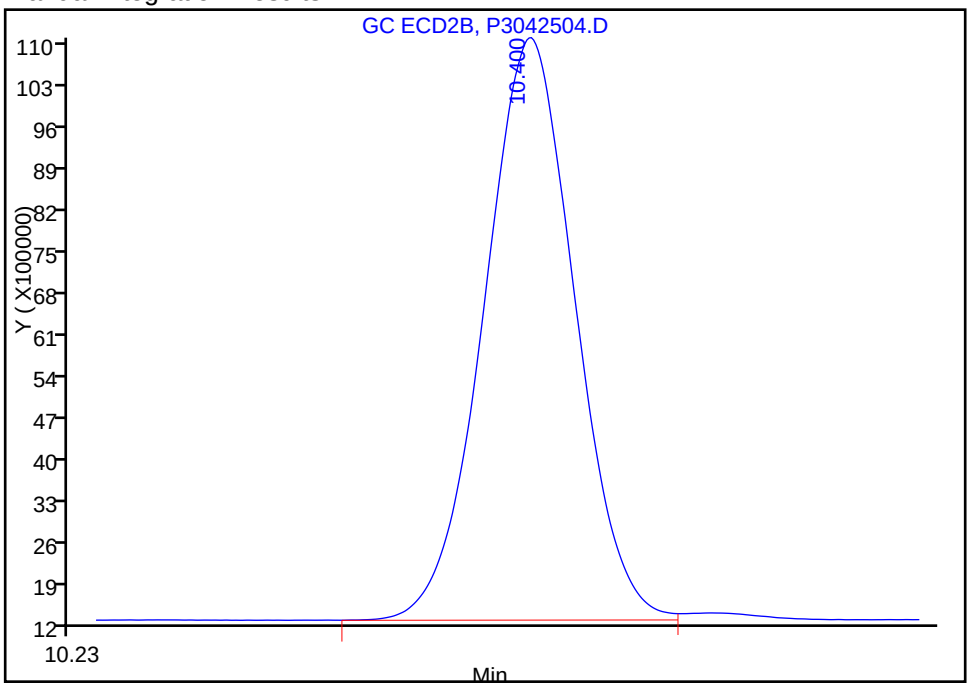
Processing Integration Results

RT: 10.40
Response: 22549611
Amount: 0.049169



Manual Integration Results

RT: 10.40
Response: 22755549
Amount: 0.049619



Reviewer: shockr, 25-Apr-2013 09:20:29
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak