APPENDIX C

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

PART 5
ANALYTICAL REPORT
240-22488-1

(Note—To be provided on disc only)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-22488-1

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
33 Boston Post Road West
Suite 40
Marlborough, MA 01752

Attention: Mr. Jackson Kiker



Approved for release.
Mark J Loeb
Project Manager II
4/30/2013 7:37 PM

Mark J Loeb
Project Manager II
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04/30/2013

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-22488-1

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 03/26/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.2, 1.5 and 1.8 C.

One or more containers for the following sample(s) was received broken or leaking: Sample 240-22488-1, 6, and 13 32oz glass containers were received shattered. I was unable to salvage the sample's as there were shards of glass all through the sand. I notified the PM in Pgh and Canton receiving. Also I requested more sample be sent to us to replace the lost ones.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 03/26/2013 and analyzed on 04/02/2013 and 04/03/2013.

Methylene Chloride was detected in method blank MB 240-80302/7 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.

2-Hexanone and Methylene Chloride were detected in method blank MB 240-80388/7 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.

Acetone, Chloroethane and Methylene Chloride failed the recovery criteria high for MRL 240-80302/31. Methylene Chloride failed the

recovery criteria high for MRL 240-80302/5. Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80388/32. Acetone, Chloroethane and Methylene Chloride failed the recovery criteria high for MRL 240-80388/5. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for 079SB-0144M-0001-SO (240-22488-18).

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 079SS-0053M-0001-SO (240-22488-23).

The Method reporting limit (MRL) for DoD had Methylene Chloride's percent recovery failing high in the low level soil analysis. At the lower concentration levels, common lab contaminates are effected more by any back round contamination.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 80302 on these samples 079SB-0144M-0001-SO (240-22488-18).

Surrogate recovery for the following sample was outside control limits: 079SB-0144M-0001-SO (240-22488-18). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

The Method Reporting Limit Opener for DoD Jobs 240-22488 and 240-22559 for batch 80388 had three compounds percent recoveries fail high. The compounds are: Acetone, Chloroethane, and Methylene Chloride.

Internal standard (ISTD) response for the following sample was outside control limits: 079SS-0053M-0001-SO (240-22488-23). The sample was re-analyzed with concurring results. The original set of data has been reported.

Surrogate recovery for the following samples were outside control limits: 079SS-0053M-0001-SO (240-22488-23). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample TRIP BLANK (240-22488-25) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 04/08/2013.

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

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

POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples began the drying process on 03/27/2013, were prepared on 04/04/2013 and analyzed on 04/08/2013.

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

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

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying process on 03/27/2013, were prepared on 04/04/2013 and analyzed on 04/15/2013.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MS/MSD of sample 079SS-0053M-0001-SOMS/MSD (240-22488-23) in batch 240-81882. Refer to the QC report for details.

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

CHLORINATED PESTICIDES WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for chlorinated pesticides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8081 DoD. The samples began the drying process on 03/27/2013, were prepared on 04/04/2013 and analyzed on 04/08/2013.

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

NITROGUANIDINE (HPLC)

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for nitroguanidine (HPLC) with

incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330_Ngu. The samples began the drying process on 03/27/2013, were prepared on 04/05/2013 and analyzed on 04/10/2013.

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

EXPLOSIVES

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330B. The samples began the drying process on 03/27/2013, were prepared on 04/04/2013 and 04/05/2013 and analyzed on 04/09/2013, 04/18/2013 and 04/19/2013.

Tetryl was detected in method blanks MB 320-13607/1-A and MB 320-13728/1-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.

The continuing calibration verification at the reporting limit (CCVL) for analytical batch 13509, 13728 and 13607 exceeded control criteria for m-Nitrotoluene, 3,5-Dinitroaniline, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene and RDX. The corrective action for this deficiency is an analysis of a standard at approximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

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

TOTAL METALS (ICPMS)

Samples 079SB-0126M-0001-SO (240-22488-1), 079SB-0127M-0001-SO (240-22488-2), 079SB-0128M-0001-SO (240-22488-3), 079SB-0129M-0001-SO (240-22488-4), 079SB-0130M-0001-SO (240-22488-5), 079SB-0131M-0001-SO (240-22488-6), 079SB-0132M-0001-SO (240-22488-7), 079SB-0133M-0001-SO (240-22488-8), 079SB-0134M-0001-SO (240-22488-9), 079SB-0135M-0001-SO (240-22488-10), 079SB-0136M-0001-SO (240-22488-11), 079SB-0137M-0001-SO (240-22488-12), 079SB-0138M-0001-SO (240-22488-13), 079SB-0139M-0001-SO (240-22488-14), 079SB-0141M-0001-SO (240-22488-15), 079SB-0142M-0001-SO (240-22488-16), 079SB-0143M-0001-SO (240-22488-17), 079SB-0144M-0001-SO (240-22488-18), 079SB-0145M-0001-SO (240-22488-19), 079SB-0146M-0001-SO (240-22488-20), 079SB-0147M-0001-SO (240-22488-21), 079SB-0148M-0001-SO (240-22488-22), 079SS-0053M-0001-SO (240-22488-23) and 079SS-0054M-0001-SO (240-22488-24) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying process on 03/27/2013, were prepared on 04/08/2013 and analyzed on 04/29/2013.

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 180-68556/1-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.

Aluminum, Iron, Lead and Manganese failed the recovery criteria high for the MS of sample 079SB-0126M-0001-SOMS (240-22488-1) in batch 180-70345.

Aluminum and Iron failed the recovery criteria high for the MS of sample 240-22559-6 in batch 180-70345.

Refer to the QC report for details.

for the duplicate of sample 079SB-0126M-0001-SODU (240-22488-1). for the duplicate of sample 240-22559-6. Refer to the QC report for details.

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

MERCURY WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0126M-0001-SO (240-22488-1), 079SB-0127M-0001-SO (240-22488-2), 079SB-0128M-0001-SO (240-22488-3), 079SB-0129M-0001-SO (240-22488-4), 079SB-0130M-0001-SO (240-22488-5), 079SB-0131M-0001-SO (240-22488-6), 079SB-0132M-0001-SO (240-22488-7), 079SB-0133M-0001-SO (240-22488-8), 079SB-0134M-0001-SO (240-22488-9), 079SB-0135M-0001-SO (240-22488-10), 079SB-0136M-0001-SO (240-22488-11), 079SB-0137M-0001-SO (240-22488-12), 079SB-0138M-0001-SO (240-22488-13), 079SB-0139M-0001-SO (240-22488-14), 079SB-0141M-0001-SO (240-22488-15), 079SB-0142M-0001-SO (240-22488-16), 079SB-0143M-0001-SO (240-22488-17), 079SB-0144M-0001-SO (240-22488-18), 079SB-0145M-0001-SO (240-22488-19), 079SB-0146M-0001-SO (240-22488-20), 079SB-0147M-0001-SO (240-22488-21), 079SB-0148M-0001-SO (240-22488-22), 079SS-0053M-0001-SO (240-22488-23) and 079SS-0054M-0001-SO (240-22488-24) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples began the drying process on 03/27/2013, were prepared on 04/04/2013 and analyzed on 04/05/2013.

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

NITROCELLULOSE

Samples 079SB-0130M-0001-SO (240-22488-5), 079SB-0132M-0001-SO (240-22488-7), 079SB-0136M-0001-SO (240-22488-11), 079SB-0144M-0001-SO (240-22488-18) and 079SS-0053M-0001-SO (240-22488-23) were analyzed for Nitrocellulose with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA Method 353.2. The samples began the drying process on 03/27/2013, were prepared and analyzed on 04/10/2013.

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

PERCENT SOLIDS

Samples 079SB-0126M-0001-SO (240-22488-1), 079SB-0127M-0001-SO (240-22488-2), 079SB-0128M-0001-SO (240-22488-3), 079SB-0129M-0001-SO (240-22488-4), 079SB-0130M-0001-SO (240-22488-5), 079SB-0131M-0001-SO (240-22488-6), 079SB-0132M-0001-SO (240-22488-7), 079SB-0133M-0001-SO (240-22488-8), 079SB-0134M-0001-SO (240-22488-9), 079SB-0135M-0001-SO (240-22488-10), 079SB-0136M-0001-SO (240-22488-11), 079SB-0137M-0001-SO (240-22488-12), 079SB-0138M-0001-SO (240-22488-13), 079SB-0139M-0001-SO (240-22488-14), 079SB-0141M-0001-SO (240-22488-15), 079SB-0142M-0001-SO (240-22488-16), 079SB-0143M-0001-SO (240-22488-17), 079SB-0144M-0001-SO (240-22488-18), 079SB-0145M-0001-SO (240-22488-19), 079SB-0146M-0001-SO (240-22488-20), 079SB-0147M-0001-SO (240-22488-21), 079SB-0148M-0001-SO (240-22488-22), 079SS-0053M-0001-SO (240-22488-23) and 079SS-0054M-0001-SO (240-22488-24) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/02/2013.

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.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 81433

Lab Sample ID: STD5 240-81433/2 IC Client Sample ID:

Date Analyzed: 04/11/13 08:55 Lab File ID: 30411002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.48	Poor Chromatography	ulmanm	04/11/13 09:19

Lab Sample ID: STD4 240-81433/3 IC Client Sample ID:

Date Analyzed: 04/11/13 09:16 Lab File ID: 30411003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.46	Poor Chromatography	ulmanm	04/11/13 09:41
4,6-Dinitro-2-methylphenol	6.69	Poor Chromatography	ulmanm	04/11/13 09:41

Lab Sample ID: STD3 240-81433/4 IC Client Sample ID:

Date Analyzed: 04/11/13 09:35 Lab File ID: 30411004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.45	Poor Chromatography	ulmanm	04/11/13 10:13
4-Nitrophenol	6.26	Poor Chromatography	ulmanm	04/11/13 10:13

Lab Sample ID: STD2 240-81433/5 IC Client Sample ID:

Date Analyzed: 04/11/13 09:55 Lab File ID: 30411005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.74	Poor Chromatography	ulmanm	04/11/13 10:16

Lab Sample ID: STD1 240-81433/6 IC Client Sample ID:

Date Analyzed: 04/11/13 10:15 Lab File ID: 30411006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	12.75	Poor Chromatography	ulmanm	04/11/13 10:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 81433

Lab Sample ID: STD9 240-81433/7 IC Client Sample ID:

Date Analyzed: 04/11/13 10:34 Lab File ID: 30411007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.54	Poor Chromatography	ulmanm	04/11/13 12:01
Caprolactam	5.12	Poor Chromatography	ulmanm	04/11/13 12:01
Benzidine	8.59	Poor Chromatography	ulmanm	04/11/13 12:01

Lab Sample ID: STD8 240-81433/8 IC Client Sample ID:

Date Analyzed: 04/11/13 10:54 Lab File ID: 30411008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.53	Poor Chromatography	ulmanm	04/11/13 12:04
Caprolactam	5.12	Poor Chromatography	ulmanm	04/11/13 12:04
Benzidine	8.58	Poor Chromatography	ulmanm	04/11/13 12:04

Lab Sample ID: STD7 240-81433/9 IC Client Sample ID:

Date Analyzed: 04/11/13 11:14 Lab File ID: 30411009.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.52	Poor Chromatography	ulmanm	04/11/13 12:05

Lab Sample ID: STD6 240-81433/10 ICIS Client Sample ID:

Date Analyzed: 04/11/13 11:34 Lab File ID: 30411010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.50	Poor Chromatography	ulmanm	04/11/13 12:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 81882

Lab Sample ID: CCV 240-81882/2 Client Sample ID:

Date Analyzed: 04/15/13 09:55 Lab File ID: 30415002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.31	Poor Chromatography	ulmanm	04/15/13 10:30

Lab Sample ID: MRL 240-81882/3 Client Sample ID:

Date Analyzed: 04/15/13 10:22 Lab File ID: 30415003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.29	Poor Chromatography	ulmanm	04/15/13 10:46

Lab Sample ID: LCS 240-80589/13-A Client Sample ID:

Date Analyzed: 04/15/13 11:04 Lab File ID: 30415005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	3.60	Poor Chromatography	ulmanm	04/15/13 11:26

Lab Sample ID: 240-22488-5 Client Sample ID: 079SB-0130M-0001-SO

Date Analyzed: 04/15/13 12:43 Lab File ID: 30415010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.41	Poor Chromatography	ulmanm	04/16/13 08:49
Indeno[1,2,3-cd]pyrene	12.17	Poor Chromatography	ulmanm	04/16/13 08:49

Lab Sample ID: 240-22488-7 Client Sample ID: 079SB-0132M-0001-SO

Date Analyzed: 04/15/13 13:03 Lab File ID: 30415011.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	2.69	Poor Chromatography	ulmanm	04/16/13 08:51
Benzoic acid	4.25	Poor Chromatography	ulmanm	04/16/13 08:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 81882

Lab Sample ID: 240-22488-11 Client Sample ID: 079SB-0136M-0001-SO

Date Analyzed: 04/15/13 13:23 Lab File ID: 30415012.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol (Surr)	6.65	Poor Chromatography	ulmanm	04/16/13 08:53
Benzo[k]fluoranthene	10.41	Poor Chromatography	ulmanm	04/16/13 08:53

Lab Sample ID: 240-22488-23 Client Sample ID: 079SS-0053M-0001-SO

Date Analyzed: 04/15/13 14:03 Lab File ID: 30415014.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.25	Poor Chromatography	ulmanm	04/16/13 08:56
Benzo[k]fluoranthene	10.41	Poor Chromatography	ulmanm	04/16/13 08:56

Lab Sample ID: MRL 240-81882/23 Client Sample ID:

Date Analyzed: 04/15/13 17:01 Lab File ID: 30415023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.27	Poor Chromatography	ulmanm	04/16/13 09:17

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 04/15/13 17:40 Lab File ID: 30415025.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	3.52	Poor Chromatography	ulmanm	04/16/13 09:25

Lab Sample ID: mdll3 LODV Client Sample ID:

Date Analyzed: 04/15/13 18:00 Lab File ID: 30415026.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,6-Dinitro-2-methylphenol	6.47	Poor Chromatography	ulmanm	04/16/13 09:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 81882

Lab Sample ID: mdll4 LODV Client Sample ID:

Date Analyzed: 04/15/13 18:20 Lab File ID: 30415027.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	3.64	Unspecified		

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 81016

Lab Sample ID: CCV 240-81016/7 Client Sample ID:

Date Analyzed: 04/08/13 14:53 Lab File ID: P3040807.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 2	10.72	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 3	10.87	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 4	11.28	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 5	11.55	Baseline Event	shockr	04/09/13 09:10

Lab Sample ID: CCV 240-81016/7 Client Sample ID:

Date Analyzed: 04/08/13 14:53 Lab File ID: P3040807.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	04/09/13 09:10
Toxaphene Peak 2	11.12	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 3	11.53	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 4	12.27	Baseline Event	shockr	04/09/13 09:10
Toxaphene Peak 5	12.83	Baseline Event	shockr	04/09/13 09:10

Lab Sample ID: CCV 240-81016/12 Client Sample ID:

Date Analyzed: 04/08/13 16:34 Lab File ID: P3040812.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxychlor	10.77	Baseline Event	shockr	04/09/13 09:17

Lab Sample ID: LCS 240-80550/11-A Client Sample ID:

Date Analyzed: 04/08/13 19:35 Lab File ID: P3040821.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
beta-BHC	5.88	Baseline Event	shockr	04/09/13 09:26

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 81016

Lab Sample ID: CCV 240-81016/24 Client Sample ID:

Date Analyzed: 04/08/13 20:36 Lab File ID: P3040824.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 2	10.72	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 3	10.87	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 4	11.28	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 5	11.55	Baseline Event	shockr	04/09/13 11:10

Lab Sample ID: CCV 240-81016/24 Client Sample ID:

Date Analyzed: 04/08/13 20:36 Lab File ID: P3040824.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	04/09/13 11:10
Toxaphene Peak 2	11.12	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 3	11.53	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 4	12.27	Baseline Event	shockr	04/09/13 11:10
Toxaphene Peak 5	12.83	Baseline Event	shockr	04/09/13 11:10

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Analysis Batch Number: 80043

Lab Sample ID: STD05 240-80043/12 IC Client Sample ID:

Date Analyzed: 04/01/13 12:19 Lab File ID: P1200012.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.58	Split Peak	hassl	04/02/13 06:44
PCB-1242 Peak 2	1.87	Split Peak	hassl	04/02/13 06:44
PCB-1242 Peak 3	2.27	Split Peak	hassl	04/02/13 06:44
PCB-1242 Peak 4	2.39	Split Peak	hassl	04/02/13 06:44
PCB-1242 Peak 5	2.78	Split Peak	hassl	04/02/13 06:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Analysis Batch Number: 80903

Lab Sample ID: CCV 240-80903/3 CCVRT Client Sample ID:

Date Analyzed: 04/08/13 07:14 Lab File ID: P1200003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Split Peak	hassl	04/12/13 12:52
PCB-1016 Peak 2	1.87	Split Peak	hassl	04/12/13 12:52
PCB-1016 Peak 3	2.27	Split Peak	hassl	04/12/13 12:52
PCB-1016 Peak 4	2.39	Split Peak	hassl	04/12/13 12:52
PCB-1016 Peak 5	2.78	Split Peak	hassl	04/12/13 12:52

Lab Sample ID: CCV 240-80903/18 Client Sample ID:

Date Analyzed: 04/08/13 10:50 Lab File ID: P1200018.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Split Peak	hassl	04/08/13 13:48
PCB-1016 Peak 2	1.87	Split Peak	hassl	04/08/13 13:48
PCB-1016 Peak 3	2.27	Split Peak	hassl	04/08/13 13:48
PCB-1016 Peak 4	2.39	Split Peak	hassl	04/08/13 13:48
PCB-1016 Peak 5	2.78	Split Peak	hassl	04/08/13 13:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Analysis Batch Number: 80903

Lab Sample ID: 240-22488-23 MS Client Sample ID: 079SS-0053M-0001-SO MS

Date Analyzed: 04/08/13 11:19 Lab File ID: P1200020.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Split Peak	hassl	04/08/13 13:48
PCB-1016 Peak 2	1.87	Baseline Event	hassl	04/08/13 13:48
PCB-1016 Peak 3	2.27	Baseline Event	hassl	04/08/13 13:48
PCB-1016 Peak 4	2.39	Baseline Event	hassl	04/08/13 13:48
PCB-1016 Peak 5	2.78	Baseline Event	hassl	04/08/13 13:48
PCB-1260 Peak 1	3.99	Baseline Event	hassl	04/08/13 13:48
PCB-1260 Peak 2	4.27	Baseline Event	hassl	04/08/13 13:48
PCB-1260 Peak 3	4.55	Baseline Event	hassl	04/08/13 13:48
PCB-1260 Peak 4	5.25	Baseline Event	hassl	04/08/13 13:48
PCB-1260 Peak 5	5.53	Baseline Event	hassl	04/08/13 13:48

Lab Sample ID: 240-22488-23 MSD Client Sample ID: 079SS-0053M-0001-SO MSD

Date Analyzed: 04/08/13 11:34 Lab File ID: P1200021.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 2	1.87	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 3	2.27	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 4	2.39	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 5	2.78	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 1	3.99	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 2	4.27	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 3	4.55	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 4	5.25	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 5	5.53	Baseline Event	hassl	04/08/13 13:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Analysis Batch Number: 80903

Lab Sample ID: LCS 240-80543/18-A Client Sample ID:

Date Analyzed: 04/08/13 11:48 Lab File ID: P1200022.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Split Peak	hassl	04/08/13 13:49
PCB-1016 Peak 2	1.87	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 3	2.27	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 4	2.39	Baseline Event	hassl	04/08/13 13:49
PCB-1016 Peak 5	2.77	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 1	3.98	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 2	4.27	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 3	4.55	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 4	5.25	Baseline Event	hassl	04/08/13 13:49
PCB-1260 Peak 5	5.53	Baseline Event	hassl	04/08/13 13:49

Lab Sample ID: CCV 240-80903/23 Client Sample ID:

Date Analyzed: 04/08/13 12:03 Lab File ID: P1200023.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.58	Split Peak	hassl	04/08/13 13:50
PCB-1016 Peak 2	1.87	Split Peak	hassl	04/08/13 13:50
PCB-1016 Peak 3	2.27	Split Peak	hassl	04/08/13 13:50
PCB-1016 Peak 4	2.39	Split Peak	hassl	04/08/13 13:50
PCB-1016 Peak 5	2.78	Split Peak	hassl	04/08/13 13:50

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 14050

Lab Sample ID: LODV 320-14050/3 Client Sample ID:

Date Analyzed: 04/10/13 17:28 Lab File ID: 320-0003819-003-1.d GC Column: Hydro RP80A 4 ID: 4(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.47	Split Peak	russellk	04/12/13 15:35

Lab Sample ID: CCVL 320-14050/5 Client Sample ID:

Date Analyzed: 04/10/13 18:08 Lab File ID: 320-0003819-005-1.d GC Column: Hydro RP80A 4 ID: 4(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.47	Baseline	russellk	04/12/13 15:37

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

SDG No.:

Instrument ID: LC11 Analysis Batch Number: 13851

Lab Sample ID: CCVL 320-13851/4 Client Sample ID:

Date Analyzed: 04/08/13 18:39 Lab File ID: K-000004.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Amino-2,6-dinitrotoluene	32.15	Baseline	noonanr	04/11/13 13:01
3,4-Dinitrotoluene	32.50	Split Peak	noonanr	04/11/13 13:01
2-Amino-4,6-dinitrotoluene	32.81	Incomplete Integration	noonanr	04/11/13 13:01
3-Nitrotoluene	39.75	Baseline	noonanr	04/11/13 13:01

Lab Sample ID: MB 320-13607/1-A Client Sample ID:

Date Analyzed: 04/09/13 03:12 Lab File ID: K-000013.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	25.44	Baseline	russellk	04/09/13 09:28

Lab Sample ID: CCVL 320-13851/15 Client Sample ID:

Date Analyzed: 04/09/13 05:06 Lab File ID: K-000015.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	40.21	Baseline	noonanr	04/11/13 13:08

Lab Sample ID: 240-22488-5 MS Client Sample ID: 079SB-0130M-0001-SO MS

Date Analyzed: 04/09/13 12:43 Lab File ID: K-000023.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroglycerin	30.40	Baseline	noonanr	04/11/13 13:23

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC11 Analysis Batch Number: 13851

Lab Sample ID: 240-22488-5 MSD Client Sample ID: 079SB-0130M-0001-SO MSD

Date Analyzed: 04/09/13 13:40 Lab File ID: K-000024.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroglycerin	30.39	Baseline	noonanr	04/11/13 13:25
PETN	40.23	Baseline	noonanr	04/11/13 13:25

Lab Sample ID: CCVL 320-13851/26 Client Sample ID:

Date Analyzed: 04/09/13 15:34 Lab File ID: K-000026.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitrotoluene	39.72	Incomplete Integration	noonanr	04/11/13 14:40
PETN	40.23	Baseline	noonanr	04/11/13 14:40

Lab Sample ID: 240-22488-11 Client Sample ID: 079SB-0136M-0001-SO

Date Analyzed: 04/09/13 16:31 Lab File ID: K-000027.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene	34.18	Baseline	russellk	04/10/13 11:59
3-Nitrotoluene	39.63	Baseline	russellk	04/10/13 11:59

Lab Sample ID: CCVL 320-13851/37 Client Sample ID:

Date Analyzed: 04/10/13 02:01 Lab File ID: K-000037.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Amino-2,6-dinitrotoluene	32.09	Baseline	noonanr	04/11/13 14:37
3,4-Dinitrotoluene	32.46	Baseline	noonanr	04/11/13 14:37
2-Amino-4,6-dinitrotoluene	32.76	Baseline	noonanr	04/11/13 14:37
2-Nitrotoluene	37.09	Incomplete Integration	noonanr	04/11/13 14:37
PETN	40.18	Baseline	noonanr	04/11/13 14:37

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC12 Analysis Batch Number: 14569

Lab Sample ID: MB 320-13728/1-A Client Sample ID:

Date Analyzed: 04/18/13 12:07 Lab File ID: P000052.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	38.55	Peak not integrated	noonanr	04/18/13 13:20

Lab Sample ID: MB 320-13607/1-A Client Sample ID:

Date Analyzed: 04/18/13 15:25 Lab File ID: P000055.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	38.63	Peak not integrated	noonanr	04/19/13 06:42

Lab Sample ID: CCV 320-14569/43 CCVRT Client Sample ID:

Date Analyzed: 04/18/13 17:37 Lab File ID: P000057.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Amino-4,6-dinitrotoluene	36.33	Incomplete Integration	noonanr	04/19/13 06:44

Lab Sample ID: CCVL 320-14569/63 Client Sample ID:

Date Analyzed: 04/19/13 04:38 Lab File ID: P000067.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	28.00	Baseline	noonanr	04/19/13 06:54
2-Nitrotoluene	29.57	Baseline	noonanr	04/19/13 06:54
4-Nitrotoluene	29.57	Baseline	noonanr	04/19/13 06:54
3-Nitrotoluene	30.16	Baseline	noonanr	04/19/13 06:54
3,5-Dinitroaniline	31.43	Baseline	noonanr	04/19/13 06:54
RDX	32.04	Baseline	noonanr	04/19/13 06:54
2,4-Dinitrotoluene	33.24	Baseline	noonanr	04/19/13 06:54
2,6-Dinitrotoluene	34.24	Baseline	noonanr	04/19/13 06:54

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-22488-1	079SB-0126M-0001-SO	Solid	03/25/2013 1728	03/26/2013 1816
240-22488-2	079SB-0127M-0001-SO	Solid	03/25/2013 1728	03/26/2013 1816
240-22488-3	079SB-0128M-0001-SO	Solid	03/25/2013 1720	03/26/2013 1816
240-22488-4	079SB-0129M-0001-SO	Solid	03/25/2013 1725	03/26/2013 1816
240-22488-5	079SB-0130M-0001-SO	Solid	03/25/2013 1735	03/26/2013 1816
240-22488-6	079SB-0131M-0001-SO	Solid	03/25/2013 1658	03/26/2013 1816
240-22488-7	079SB-0132M-0001-SO	Solid	03/25/2013 1652	03/26/2013 1816
240-22488-8	079SB-0133M-0001-SO	Solid	03/25/2013 1710	03/26/2013 1816
240-22488-9	079SB-0134M-0001-SO	Solid	03/25/2013 1630	03/26/2013 1816
240-22488-10	079SB-0135M-0001-SO	Solid	03/25/2013 1632	03/26/2013 1816
240-22488-11	079SB-0136M-0001-SO	Solid	03/25/2013 1631	03/26/2013 1816
240-22488-12	079SB-0137M-0001-SO	Solid	03/25/2013 1601	03/26/2013 1816
240-22488-13	079SB-0138M-0001-SO	Solid	03/25/2013 1545	03/26/2013 1816
240-22488-14	079SB-0139M-0001-SO	Solid	03/25/2013 1529	03/26/2013 1816
240-22488-15	079SB-0141M-0001-SO	Solid	03/25/2013 1512	03/26/2013 1816
240-22488-16	079SB-0142M-0001-SO	Solid	03/25/2013 1430	03/26/2013 1816
240-22488-17	079SB-0143M-0001-SO	Solid	03/25/2013 1430	03/26/2013 1816
240-22488-18	079SB-0144M-0001-SO	Solid	03/25/2013 1437	03/26/2013 1816
240-22488-19	079SB-0145M-0001-SO	Solid	03/25/2013 1415	03/26/2013 1816
240-22488-20	079SB-0146M-0001-SO	Solid	03/25/2013 1130	03/26/2013 1816
240-22488-21	079SB-0147M-0001-SO	Solid	03/25/2013 1145	03/26/2013 1816
240-22488-22	079SB-0148M-0001-SO	Solid	03/25/2013 1210	03/26/2013 1816
240-22488-23	079SS-0053M-0001-SO	Solid	03/25/2013 1645	03/26/2013 1816
240-22488-24	079SS-0054M-0001-SO	Solid	03/25/2013 1508	03/26/2013 1816
240-22488-25TB	TRIP BLANK	Water	03/25/2013 0000	03/26/2013 1816

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-1	**079SB-0126M-0001-SO**					
Silver		0.034	J	0.099	mg/Kg	6020/DOD
Aluminum		10000	J	3.0	mg/Kg	6020/DOD
Arsenic		8.1		0.099	mg/Kg	6020/DOD
Barium		65	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.51		0.099	mg/Kg	6020/DOD
Calcium		700		9.9	mg/Kg	6020/DOD
Cadmium		0.12		0.099	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		8.8	Q	0.050	mg/Kg	6020/DOD
Copper		15	Q	0.20	mg/Kg	6020/DOD
Iron		23000	J	5.0	mg/Kg	6020/DOD
Magnesium		2200		9.9	mg/Kg	6020/DOD
Manganese		350	Q J	0.50	mg/Kg	6020/DOD
Sodium		38		9.9	mg/Kg	6020/DOD
Nickel		20		0.099	mg/Kg	6020/DOD
Lead		11	Q J	0.099	mg/Kg	6020/DOD
Antimony		0.13	J	0.20	mg/Kg	6020/DOD
Thallium		0.13		0.099	mg/Kg	6020/DOD
Vanadium		17		0.099	mg/Kg	6020/DOD
Zinc		44	Q	0.50	mg/Kg	6020/DOD
Potassium		760		9.9	mg/Kg	6020/DOD
Selenium		0.37	J	0.50	mg/Kg	6020/DOD
Mercury		0.030	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-2	**079SB-0127M-0001-SO**					
Silver		0.036	J	0.098	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		8.6		0.098	mg/Kg	6020/DOD
Barium		62	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.56		0.098	mg/Kg	6020/DOD
Calcium		680		9.8	mg/Kg	6020/DOD
Cadmium		0.13		0.098	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		9.1	Q	0.049	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		24000		4.9	mg/Kg	6020/DOD
Magnesium		2200		9.8	mg/Kg	6020/DOD
Manganese		340	Q	0.49	mg/Kg	6020/DOD
Sodium		39		9.8	mg/Kg	6020/DOD
Nickel		18		0.098	mg/Kg	6020/DOD
Lead		13	Q	0.098	mg/Kg	6020/DOD
Antimony		0.13	J	0.20	mg/Kg	6020/DOD
Thallium		0.14		0.098	mg/Kg	6020/DOD
Vanadium		18		0.098	mg/Kg	6020/DOD
Zinc		45	Q	0.49	mg/Kg	6020/DOD
Potassium		760		9.8	mg/Kg	6020/DOD
Selenium		0.30	J	0.49	mg/Kg	6020/DOD
Mercury		0.040	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-3	**079SB-0128M-0001-SO**					
Silver		0.025	J	0.098	mg/Kg	6020/DOD
Aluminum		9700		2.9	mg/Kg	6020/DOD
Arsenic		11		0.098	mg/Kg	6020/DOD
Barium		72	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.63		0.098	mg/Kg	6020/DOD
Calcium		5900		9.8	mg/Kg	6020/DOD
Cadmium		0.25		0.098	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		8.4	Q	0.049	mg/Kg	6020/DOD
Copper		17	Q	0.20	mg/Kg	6020/DOD
Iron		23000		4.9	mg/Kg	6020/DOD
Magnesium		2600		9.8	mg/Kg	6020/DOD
Manganese		440	Q	0.49	mg/Kg	6020/DOD
Sodium		70		9.8	mg/Kg	6020/DOD
Nickel		19		0.098	mg/Kg	6020/DOD
Lead		36	Q	0.098	mg/Kg	6020/DOD
Antimony		7.4		0.20	mg/Kg	6020/DOD
Thallium		0.13		0.098	mg/Kg	6020/DOD
Vanadium		14		0.098	mg/Kg	6020/DOD
Zinc		53	Q	0.49	mg/Kg	6020/DOD
Potassium		820		9.8	mg/Kg	6020/DOD
Selenium		0.34	J	0.49	mg/Kg	6020/DOD
Mercury		0.035	J	0.097	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-4	**079SB-0129M-0001-SO**					
Silver		0.043	J	0.098	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		9.8		0.098	mg/Kg	6020/DOD
Barium		67	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.56		0.098	mg/Kg	6020/DOD
Calcium		670		9.8	mg/Kg	6020/DOD
Cadmium		0.12		0.098	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		15	Q	0.049	mg/Kg	6020/DOD
Copper		14	Q	0.20	mg/Kg	6020/DOD
Iron		26000		4.9	mg/Kg	6020/DOD
Magnesium		2200		9.8	mg/Kg	6020/DOD
Manganese		640	Q	0.49	mg/Kg	6020/DOD
Sodium		45		9.8	mg/Kg	6020/DOD
Nickel		17		0.098	mg/Kg	6020/DOD
Lead		15	Q	0.098	mg/Kg	6020/DOD
Thallium		0.16		0.098	mg/Kg	6020/DOD
Vanadium		21		0.098	mg/Kg	6020/DOD
Zinc		42	Q	0.49	mg/Kg	6020/DOD
Potassium		780		9.8	mg/Kg	6020/DOD
Selenium		0.32	J	0.49	mg/Kg	6020/DOD
Mercury		0.031	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-5	**079SB-0130M-0001-SO**					
Methylene Chloride		1.3	J B	4.8	ug/Kg	8260B/DoD
Anthracene		46		6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		39		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		24		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		40		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		16		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		15	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		54		50	ug/Kg	8270C/DoD
Chrysene		41		6.7	ug/Kg	8270C/DoD
Fluoranthene		91		6.7	ug/Kg	8270C/DoD
Fluorene		13		6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		16	M	6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		10		6.7	ug/Kg	8270C/DoD
Naphthalene		9.6		6.7	ug/Kg	8270C/DoD
Phenanthrene		77		6.7	ug/Kg	8270C/DoD
Pyrene		60		6.7	ug/Kg	8270C/DoD
Silver		0.031	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		10		0.099	mg/Kg	6020/DOD
Barium		52	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.52		0.099	mg/Kg	6020/DOD
Calcium		730		9.9	mg/Kg	6020/DOD
Cadmium		0.12		0.099	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.050	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		2200		9.9	mg/Kg	6020/DOD
Manganese		340	Q	0.50	mg/Kg	6020/DOD
Sodium		40		9.9	mg/Kg	6020/DOD
Nickel		18		0.099	mg/Kg	6020/DOD
Lead		13	Q	0.099	mg/Kg	6020/DOD
Antimony		0.21		0.20	mg/Kg	6020/DOD
Thallium		0.13		0.099	mg/Kg	6020/DOD
Vanadium		19		0.099	mg/Kg	6020/DOD
Zinc		43	Q	0.50	mg/Kg	6020/DOD
Potassium		770		9.9	mg/Kg	6020/DOD
Selenium		0.20	J	0.50	mg/Kg	6020/DOD
Mercury		0.057	J	0.11	mg/Kg	7471/DOD
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-6	**079SB-0131M-0001-SO**					
Silver		0.040	J	0.095	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		9.1		0.095	mg/Kg	6020/DOD
Barium		75	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.58		0.095	mg/Kg	6020/DOD
Calcium		1000		9.5	mg/Kg	6020/DOD
Cadmium		0.16		0.095	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		8.0	Q	0.048	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		24000		4.8	mg/Kg	6020/DOD
Magnesium		2300		9.5	mg/Kg	6020/DOD
Manganese		470	Q	0.48	mg/Kg	6020/DOD
Sodium		37		9.5	mg/Kg	6020/DOD
Nickel		19		0.095	mg/Kg	6020/DOD
Lead		13	Q	0.095	mg/Kg	6020/DOD
Antimony		0.63		0.19	mg/Kg	6020/DOD
Thallium		0.15		0.095	mg/Kg	6020/DOD
Vanadium		20		0.095	mg/Kg	6020/DOD
Zinc		45	Q	0.48	mg/Kg	6020/DOD
Potassium		680		9.5	mg/Kg	6020/DOD
Selenium		0.25	J	0.48	mg/Kg	6020/DOD
Mercury		0.046	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-7	**079SB-0132M-0001-SO**					
Methylene Chloride		2.1	J B	5.6	ug/Kg	8260B/DoD
Benzo[a]anthracene		4.1	J	6.6	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		3.9	J	6.6	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		24	J	50	ug/Kg	8270C/DoD
Chrysene		3.4	J	6.6	ug/Kg	8270C/DoD
Fluoranthene		6.1	J	6.6	ug/Kg	8270C/DoD
2-Methylnaphthalene		11		6.6	ug/Kg	8270C/DoD
Naphthalene		9.5		6.6	ug/Kg	8270C/DoD
Phenanthrene		7.5		6.6	ug/Kg	8270C/DoD
Pyrene		3.9	J	6.6	ug/Kg	8270C/DoD
Silver		0.028	J	0.10	mg/Kg	6020/DOD
Aluminum		13000		3.0	mg/Kg	6020/DOD
Arsenic		9.6		0.10	mg/Kg	6020/DOD
Barium		84	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.60		0.10	mg/Kg	6020/DOD
Calcium		770		10	mg/Kg	6020/DOD
Cadmium		0.13		0.10	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		9.3	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		2900		10	mg/Kg	6020/DOD
Manganese		220	Q	0.50	mg/Kg	6020/DOD
Sodium		39		10	mg/Kg	6020/DOD
Nickel		24		0.10	mg/Kg	6020/DOD
Lead		11	Q	0.10	mg/Kg	6020/DOD
Antimony		0.053	J	0.20	mg/Kg	6020/DOD
Thallium		0.15		0.10	mg/Kg	6020/DOD
Vanadium		19		0.10	mg/Kg	6020/DOD
Zinc		45	Q	0.50	mg/Kg	6020/DOD
Potassium		950		10	mg/Kg	6020/DOD
Selenium		0.25	J	0.50	mg/Kg	6020/DOD
Mercury		0.047	J	0.11	mg/Kg	7471/DOD
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
Tetryl		0.011	J	0.25	mg/Kg	8330B

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-8	**079SB-0133M-0001-SO**					
Silver		0.026	J	0.099	mg/Kg	6020/DOD
Aluminum		7500		3.0	mg/Kg	6020/DOD
Arsenic		4.5		0.099	mg/Kg	6020/DOD
Barium		41	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.43		0.099	mg/Kg	6020/DOD
Calcium		500		9.9	mg/Kg	6020/DOD
Cadmium		0.16		0.099	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		8.1	Q	0.050	mg/Kg	6020/DOD
Copper		11	Q	0.20	mg/Kg	6020/DOD
Iron		21000		5.0	mg/Kg	6020/DOD
Magnesium		1700		9.9	mg/Kg	6020/DOD
Manganese		440	Q	0.50	mg/Kg	6020/DOD
Sodium		32		9.9	mg/Kg	6020/DOD
Nickel		21		0.099	mg/Kg	6020/DOD
Lead		9.2	Q	0.099	mg/Kg	6020/DOD
Antimony		0.045	J	0.20	mg/Kg	6020/DOD
Thallium		0.098	J	0.099	mg/Kg	6020/DOD
Vanadium		14		0.099	mg/Kg	6020/DOD
Zinc		43	Q	0.50	mg/Kg	6020/DOD
Potassium		720		9.9	mg/Kg	6020/DOD
Selenium		0.17	J	0.50	mg/Kg	6020/DOD
Mercury		0.019	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-9	**079SB-0134M-0001-SO**					
Silver		0.041	J	0.097	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		7.8		0.097	mg/Kg	6020/DOD
Barium		67	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.54		0.097	mg/Kg	6020/DOD
Calcium		1200		9.7	mg/Kg	6020/DOD
Cadmium		0.16		0.097	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		8.6	Q	0.049	mg/Kg	6020/DOD
Copper		14	Q	0.19	mg/Kg	6020/DOD
Iron		22000		4.9	mg/Kg	6020/DOD
Magnesium		2200		9.7	mg/Kg	6020/DOD
Manganese		450	Q	0.49	mg/Kg	6020/DOD
Sodium		40		9.7	mg/Kg	6020/DOD
Nickel		18		0.097	mg/Kg	6020/DOD
Lead		13	Q	0.097	mg/Kg	6020/DOD
Thallium		0.14		0.097	mg/Kg	6020/DOD
Vanadium		20		0.097	mg/Kg	6020/DOD
Zinc		44	Q	0.49	mg/Kg	6020/DOD
Potassium		730		9.7	mg/Kg	6020/DOD
Selenium		0.31	J	0.49	mg/Kg	6020/DOD
Mercury		0.050	J	0.10	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-10	**079SB-0135M-0001-SO**					
Silver		0.026	J	0.10	mg/Kg	6020/DOD
Aluminum		8100		3.0	mg/Kg	6020/DOD
Arsenic		5.5		0.10	mg/Kg	6020/DOD
Barium		53	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.48		0.10	mg/Kg	6020/DOD
Calcium		3600		10	mg/Kg	6020/DOD
Cadmium		0.15		0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		8.5	Q	0.050	mg/Kg	6020/DOD
Copper		14	Q	0.20	mg/Kg	6020/DOD
Iron		17000		5.0	mg/Kg	6020/DOD
Magnesium		2400		10	mg/Kg	6020/DOD
Manganese		400	Q	0.50	mg/Kg	6020/DOD
Sodium		54		10	mg/Kg	6020/DOD
Nickel		21		0.10	mg/Kg	6020/DOD
Lead		10	Q	0.10	mg/Kg	6020/DOD
Thallium		0.097	J	0.10	mg/Kg	6020/DOD
Vanadium		13		0.10	mg/Kg	6020/DOD
Zinc		34	Q	0.50	mg/Kg	6020/DOD
Potassium		790		10	mg/Kg	6020/DOD
Selenium		0.25	J	0.50	mg/Kg	6020/DOD
Mercury		0.039	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-11	**079SB-0136M-0001-SO**					
Methylene Chloride		1.7	J B	5.3	ug/Kg	8260B/DoD
Anthracene		3.8	J	6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		20		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		18		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		30		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		12		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		9.3	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		69		50	ug/Kg	8270C/DoD
Chrysene		23		6.7	ug/Kg	8270C/DoD
Fluoranthene		42		6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		12		6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		11		6.7	ug/Kg	8270C/DoD
Naphthalene		12		6.7	ug/Kg	8270C/DoD
Phenanthrene		22		6.7	ug/Kg	8270C/DoD
Pyrene		32		6.7	ug/Kg	8270C/DoD
Silver		0.029	J	0.097	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		10		0.097	mg/Kg	6020/DOD
Barium		79	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.68		0.097	mg/Kg	6020/DOD
Calcium		680		9.7	mg/Kg	6020/DOD
Cadmium		0.19		0.097	mg/Kg	6020/DOD
Chromium		16		0.19	mg/Kg	6020/DOD
Cobalt		12	Q	0.049	mg/Kg	6020/DOD
Copper		18	Q	0.19	mg/Kg	6020/DOD
Iron		26000		4.9	mg/Kg	6020/DOD
Magnesium		3000		9.7	mg/Kg	6020/DOD
Manganese		500	Q	0.49	mg/Kg	6020/DOD
Sodium		38		9.7	mg/Kg	6020/DOD
Nickel		26		0.097	mg/Kg	6020/DOD
Lead		13	Q	0.097	mg/Kg	6020/DOD
Antimony		0.063	J	0.19	mg/Kg	6020/DOD
Thallium		0.14		0.097	mg/Kg	6020/DOD
Vanadium		19		0.097	mg/Kg	6020/DOD
Zinc		54	Q	0.49	mg/Kg	6020/DOD
Potassium		830		9.7	mg/Kg	6020/DOD
Selenium		0.28	J	0.49	mg/Kg	6020/DOD
Mercury		0.017	J	0.11	mg/Kg	7471/DOD
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
Tetryl		0.013	J	0.25	mg/Kg	8330B

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-12	**079SB-0137M-0001-SO**					
Silver		0.025	J	0.098	mg/Kg	6020/DOD
Aluminum		9100		2.9	mg/Kg	6020/DOD
Arsenic		6.7		0.098	mg/Kg	6020/DOD
Barium		55	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.53		0.098	mg/Kg	6020/DOD
Calcium		1200		9.8	mg/Kg	6020/DOD
Cadmium		0.15		0.098	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.049	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		22000		4.9	mg/Kg	6020/DOD
Magnesium		2400		9.8	mg/Kg	6020/DOD
Manganese		350	Q	0.49	mg/Kg	6020/DOD
Sodium		35		9.8	mg/Kg	6020/DOD
Nickel		24		0.098	mg/Kg	6020/DOD
Lead		11	Q	0.098	mg/Kg	6020/DOD
Thallium		0.11		0.098	mg/Kg	6020/DOD
Vanadium		14		0.098	mg/Kg	6020/DOD
Zinc		42	Q	0.49	mg/Kg	6020/DOD
Potassium		890		9.8	mg/Kg	6020/DOD
Selenium		0.23	J	0.49	mg/Kg	6020/DOD
Mercury		0.026	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-13	**079SB-0138M-0001-SO**					
Silver		0.025	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		7.2		0.099	mg/Kg	6020/DOD
Barium		51	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.43		0.099	mg/Kg	6020/DOD
Calcium		670		9.9	mg/Kg	6020/DOD
Cadmium		0.13		0.099	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		8.6	Q	0.050	mg/Kg	6020/DOD
Copper		14	Q	0.20	mg/Kg	6020/DOD
Iron		22000		5.0	mg/Kg	6020/DOD
Magnesium		2300		9.9	mg/Kg	6020/DOD
Manganese		270	Q	0.50	mg/Kg	6020/DOD
Sodium		40		9.9	mg/Kg	6020/DOD
Nickel		17		0.099	mg/Kg	6020/DOD
Lead		11	Q	0.099	mg/Kg	6020/DOD
Thallium		0.12		0.099	mg/Kg	6020/DOD
Vanadium		19		0.099	mg/Kg	6020/DOD
Zinc		36	Q	0.50	mg/Kg	6020/DOD
Potassium		690		9.9	mg/Kg	6020/DOD
Selenium		0.30	J	0.50	mg/Kg	6020/DOD
Mercury		0.041	J	0.091	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-14	**079SB-0139M-0001-SO**					
Silver		0.050	J	0.10	mg/Kg	6020/DOD
Aluminum		12000		3.0	mg/Kg	6020/DOD
Arsenic		8.6		0.10	mg/Kg	6020/DOD
Barium		69	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.62		0.10	mg/Kg	6020/DOD
Calcium		790		10	mg/Kg	6020/DOD
Cadmium		0.14		0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.050	mg/Kg	6020/DOD
Copper		12	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		1700		10	mg/Kg	6020/DOD
Manganese		390	Q	0.50	mg/Kg	6020/DOD
Sodium		36		10	mg/Kg	6020/DOD
Nickel		15		0.10	mg/Kg	6020/DOD
Lead		14	Q	0.10	mg/Kg	6020/DOD
Thallium		0.14		0.10	mg/Kg	6020/DOD
Vanadium		23		0.10	mg/Kg	6020/DOD
Zinc		47	Q	0.50	mg/Kg	6020/DOD
Potassium		650		10	mg/Kg	6020/DOD
Selenium		0.39	J	0.50	mg/Kg	6020/DOD
Mercury		0.052	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-15	**079SB-0141M-0001-SO**					
Silver		0.042	J	0.099	mg/Kg	6020/DOD
Aluminum		14000		3.0	mg/Kg	6020/DOD
Arsenic		8.7		0.099	mg/Kg	6020/DOD
Barium		100	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.87		0.099	mg/Kg	6020/DOD
Calcium		18000		9.9	mg/Kg	6020/DOD
Cadmium		0.19		0.099	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		7.6	Q	0.050	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		5000		9.9	mg/Kg	6020/DOD
Manganese		870	Q	0.50	mg/Kg	6020/DOD
Sodium		130		9.9	mg/Kg	6020/DOD
Nickel		20		0.099	mg/Kg	6020/DOD
Lead		12	Q	0.099	mg/Kg	6020/DOD
Thallium		0.13		0.099	mg/Kg	6020/DOD
Vanadium		19		0.099	mg/Kg	6020/DOD
Zinc		39	Q	0.50	mg/Kg	6020/DOD
Potassium		920		9.9	mg/Kg	6020/DOD
Selenium		0.39	J	0.50	mg/Kg	6020/DOD
Mercury		0.048	J	0.10	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-16	**079SB-0142M-0001-SO**					
Silver		0.029	J	0.098	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		9.9		0.098	mg/Kg	6020/DOD
Barium		64	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.51		0.098	mg/Kg	6020/DOD
Calcium		900		9.8	mg/Kg	6020/DOD
Cadmium		0.15		0.098	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		9.5	Q	0.049	mg/Kg	6020/DOD
Copper		17	Q	0.20	mg/Kg	6020/DOD
Iron		24000		4.9	mg/Kg	6020/DOD
Magnesium		2600		9.8	mg/Kg	6020/DOD
Manganese		360	Q	0.49	mg/Kg	6020/DOD
Sodium		42		9.8	mg/Kg	6020/DOD
Nickel		19		0.098	mg/Kg	6020/DOD
Lead		12	Q	0.098	mg/Kg	6020/DOD
Thallium		0.14		0.098	mg/Kg	6020/DOD
Vanadium		20		0.098	mg/Kg	6020/DOD
Zinc		43	Q	0.49	mg/Kg	6020/DOD
Potassium		740		9.8	mg/Kg	6020/DOD
Selenium		0.32	J	0.49	mg/Kg	6020/DOD
Mercury		0.029	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-17	**079SB-0143M-0001-SO**					
Silver		0.029	J	0.097	mg/Kg	6020/DOD
Aluminum		10000		2.9	mg/Kg	6020/DOD
Arsenic		11		0.097	mg/Kg	6020/DOD
Barium		77	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.70		0.097	mg/Kg	6020/DOD
Calcium		720		9.7	mg/Kg	6020/DOD
Cadmium		0.21		0.097	mg/Kg	6020/DOD
Chromium		18		0.19	mg/Kg	6020/DOD
Cobalt		13	Q	0.049	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		27000		4.9	mg/Kg	6020/DOD
Magnesium		2800		9.7	mg/Kg	6020/DOD
Manganese		470	Q	0.49	mg/Kg	6020/DOD
Sodium		42		9.7	mg/Kg	6020/DOD
Nickel		28		0.097	mg/Kg	6020/DOD
Lead		13	Q	0.097	mg/Kg	6020/DOD
Thallium		0.13		0.097	mg/Kg	6020/DOD
Vanadium		17		0.097	mg/Kg	6020/DOD
Zinc		53	Q	0.49	mg/Kg	6020/DOD
Potassium		820		9.7	mg/Kg	6020/DOD
Selenium		0.32	J	0.49	mg/Kg	6020/DOD
Mercury		0.035	J	0.10	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-18	**079SB-0144M-0001-SO**					
Methylene Chloride		1.6	J B	4.8	ug/Kg	8260B/DoD
Benzo[a]anthracene		5.1	J	6.6	ug/Kg	8270C/DoD
Benzo[a]pyrene		4.3	J	6.6	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		7.0		6.6	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		34	J	49	ug/Kg	8270C/DoD
Chrysene		6.0	J	6.6	ug/Kg	8270C/DoD
Fluoranthene		15		6.6	ug/Kg	8270C/DoD
2-Methylnaphthalene		8.6		6.6	ug/Kg	8270C/DoD
Naphthalene		8.7		6.6	ug/Kg	8270C/DoD
Phenanthrene		16		6.6	ug/Kg	8270C/DoD
Pyrene		10		6.6	ug/Kg	8270C/DoD
Silver		0.024	J	0.098	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		8.9		0.098	mg/Kg	6020/DOD
Barium		61	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.52		0.098	mg/Kg	6020/DOD
Calcium		760		9.8	mg/Kg	6020/DOD
Cadmium		0.14		0.098	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.049	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		25000		4.9	mg/Kg	6020/DOD
Magnesium		2400		9.8	mg/Kg	6020/DOD
Manganese		320	Q	0.49	mg/Kg	6020/DOD
Sodium		34		9.8	mg/Kg	6020/DOD
Nickel		19		0.098	mg/Kg	6020/DOD
Lead		11	Q	0.098	mg/Kg	6020/DOD
Thallium		0.12		0.098	mg/Kg	6020/DOD
Vanadium		19		0.098	mg/Kg	6020/DOD
Zinc		41	Q	0.49	mg/Kg	6020/DOD
Potassium		760		9.8	mg/Kg	6020/DOD
Selenium		0.35	J	0.49	mg/Kg	6020/DOD
Mercury		0.045	J	0.098	mg/Kg	7471/DOD
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
Tetryl		0.012	J	0.25	mg/Kg	8330B

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-19	**079SB-0145M-0001-SO**					
Silver		0.024	J	0.096	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		9.4		0.096	mg/Kg	6020/DOD
Barium		72	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.53		0.096	mg/Kg	6020/DOD
Calcium		610		9.6	mg/Kg	6020/DOD
Cadmium		0.15		0.096	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		10	Q	0.048	mg/Kg	6020/DOD
Copper		17	Q	0.19	mg/Kg	6020/DOD
Iron		24000		4.8	mg/Kg	6020/DOD
Magnesium		2800		9.6	mg/Kg	6020/DOD
Manganese		290	Q	0.48	mg/Kg	6020/DOD
Sodium		59		9.6	mg/Kg	6020/DOD
Nickel		23		0.096	mg/Kg	6020/DOD
Lead		11	Q	0.096	mg/Kg	6020/DOD
Thallium		0.12		0.096	mg/Kg	6020/DOD
Vanadium		18		0.096	mg/Kg	6020/DOD
Zinc		44	Q	0.48	mg/Kg	6020/DOD
Potassium		760		9.6	mg/Kg	6020/DOD
Selenium		0.27	J	0.48	mg/Kg	6020/DOD
Mercury		0.036	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-20	**079SB-0146M-0001-SO**					
Silver		0.033	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.099	mg/Kg	6020/DOD
Barium		72	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.71		0.099	mg/Kg	6020/DOD
Calcium		790		9.9	mg/Kg	6020/DOD
Cadmium		0.19		0.099	mg/Kg	6020/DOD
Chromium		18		0.20	mg/Kg	6020/DOD
Cobalt		13	Q	0.050	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		27000		5.0	mg/Kg	6020/DOD
Magnesium		2900		9.9	mg/Kg	6020/DOD
Manganese		520	Q	0.50	mg/Kg	6020/DOD
Sodium		37		9.9	mg/Kg	6020/DOD
Nickel		27		0.099	mg/Kg	6020/DOD
Lead		11	Q	0.099	mg/Kg	6020/DOD
Thallium		0.13		0.099	mg/Kg	6020/DOD
Vanadium		18		0.099	mg/Kg	6020/DOD
Zinc		49	Q	0.50	mg/Kg	6020/DOD
Potassium		860		9.9	mg/Kg	6020/DOD
Selenium		0.35	J	0.50	mg/Kg	6020/DOD
Mercury		0.034	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-21	**079SB-0147M-0001-SO**					
Silver		0.030	J	0.099	mg/Kg	6020/DOD
Aluminum		12000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.099	mg/Kg	6020/DOD
Barium		74	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.61		0.099	mg/Kg	6020/DOD
Calcium		1200		9.9	mg/Kg	6020/DOD
Cadmium		0.17		0.099	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		13	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		2700		9.9	mg/Kg	6020/DOD
Manganese		360	Q	0.50	mg/Kg	6020/DOD
Sodium		36		9.9	mg/Kg	6020/DOD
Nickel		22		0.099	mg/Kg	6020/DOD
Lead		12	Q	0.099	mg/Kg	6020/DOD
Thallium		0.15		0.099	mg/Kg	6020/DOD
Vanadium		19		0.099	mg/Kg	6020/DOD
Zinc		45	Q	0.50	mg/Kg	6020/DOD
Potassium		900		9.9	mg/Kg	6020/DOD
Selenium		0.27	J	0.50	mg/Kg	6020/DOD
Mercury		0.040	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-22	**079SB-0148M-0001-SO**					
Silver		0.021	J	0.10	mg/Kg	6020/DOD
Aluminum		12000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.10	mg/Kg	6020/DOD
Barium		72	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.57		0.10	mg/Kg	6020/DOD
Calcium		280		10	mg/Kg	6020/DOD
Cadmium		0.15		0.10	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.050	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		3000		10	mg/Kg	6020/DOD
Manganese		250	Q	0.50	mg/Kg	6020/DOD
Sodium		54		10	mg/Kg	6020/DOD
Nickel		23		0.10	mg/Kg	6020/DOD
Lead		12	Q	0.10	mg/Kg	6020/DOD
Thallium		0.14		0.10	mg/Kg	6020/DOD
Vanadium		19		0.10	mg/Kg	6020/DOD
Zinc		49	Q	0.50	mg/Kg	6020/DOD
Potassium		870		10	mg/Kg	6020/DOD
Selenium		0.31	J	0.50	mg/Kg	6020/DOD
Mercury		0.035	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-23	**079SS-0053M-0001-SO**					
Acetone		34		33	ug/Kg	8260B/DoD
2-Butanone (MEK)		4.0	J	33	ug/Kg	8260B/DoD
Methylene Chloride		2.1	J B	8.2	ug/Kg	8260B/DoD
Benzo[a]anthracene		15		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		16		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		28		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		13		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		9.6	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		27	J	50	ug/Kg	8270C/DoD
Butyl benzyl phthalate		21	J	50	ug/Kg	8270C/DoD
Chrysene		23		6.7	ug/Kg	8270C/DoD
Fluoranthene		31		6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		12		6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		8.6		6.7	ug/Kg	8270C/DoD
Naphthalene		9.2		6.7	ug/Kg	8270C/DoD
Phenanthrene		16		6.7	ug/Kg	8270C/DoD
Pyrene		26		6.7	ug/Kg	8270C/DoD
Silver		0.040	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		9.7		0.099	mg/Kg	6020/DOD
Barium		56	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.51		0.099	mg/Kg	6020/DOD
Calcium		1300		9.9	mg/Kg	6020/DOD
Cadmium		0.18		0.099	mg/Kg	6020/DOD
Chromium		13		0.20	mg/Kg	6020/DOD
Cobalt		8.9	Q	0.050	mg/Kg	6020/DOD
Copper		48	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		2100		9.9	mg/Kg	6020/DOD
Manganese		660	Q	0.50	mg/Kg	6020/DOD
Sodium		31		9.9	mg/Kg	6020/DOD
Nickel		14		0.099	mg/Kg	6020/DOD
Lead		16	Q	0.099	mg/Kg	6020/DOD
Thallium		0.14		0.099	mg/Kg	6020/DOD
Vanadium		21		0.099	mg/Kg	6020/DOD
Zinc		92	Q	0.50	mg/Kg	6020/DOD
Potassium		620		9.9	mg/Kg	6020/DOD
Selenium		0.29	J	0.50	mg/Kg	6020/DOD
Mercury		0.038	J	0.11	mg/Kg	7471/DOD
Percent Solids		75		0.10	%	Moisture
Percent Moisture		25		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22488-24	**079SS-0054M-0001-SO**					
Silver		0.046	J	0.10	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		7.6		0.10	mg/Kg	6020/DOD
Barium		79	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.51		0.10	mg/Kg	6020/DOD
Calcium		7200		10	mg/Kg	6020/DOD
Cadmium		0.22		0.10	mg/Kg	6020/DOD
Chromium		13		0.20	mg/Kg	6020/DOD
Cobalt		8.4	Q	0.050	mg/Kg	6020/DOD
Copper		180	Q	0.20	mg/Kg	6020/DOD
Iron		23000		5.0	mg/Kg	6020/DOD
Magnesium		2200		10	mg/Kg	6020/DOD
Manganese		720	Q	0.50	mg/Kg	6020/DOD
Sodium		46		10	mg/Kg	6020/DOD
Nickel		15		0.10	mg/Kg	6020/DOD
Lead		18	Q	0.10	mg/Kg	6020/DOD
Thallium		0.13		0.10	mg/Kg	6020/DOD
Vanadium		19		0.10	mg/Kg	6020/DOD
Zinc		180	Q	0.50	mg/Kg	6020/DOD
Potassium		670		10	mg/Kg	6020/DOD
Selenium		0.35	J	0.50	mg/Kg	6020/DOD
Mercury		0.051	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture
240-22488-25TB	**TRIP BLANK**					
Acetone		9.4	J	10	ug/L	8260B/DoD
Methylene Chloride		1.2		1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL SAC = TestAmerica Sacramento

Method 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: 240-22488-1

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid % Moisture: 17.8 Date Received: 03/26/2013 1816

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80275	Lab File ID:	141739.D
Dilution:	1.0			Initial Weight/Volume:	6.348 g
Analysis Date:	04/03/2013 1306			Final Weight/Volume:	5 mL
Prep Date:	03/26/2013 1910				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		6.0	U	6.0	19
Benzene		0.48	U	0.22	4.8
Bromochloromethane		0.96	U	0.68	4.8
Bromodichloromethane		0.48	U	0.27	4.8
Bromoform		0.48	U	0.32	4.8
Bromomethane		0.96	U	0.52	4.8
2-Butanone (MEK)		1.9	U	1.3	19
Carbon disulfide		0.48	U	0.42	4.8
Carbon tetrachloride		0.48	U	0.35	4.8
Chlorobenzene		0.48	U	0.32	4.8
Chloroethane		0.96	U	0.82	4.8
Chloroform		0.48	U	0.28	4.8
Chloromethane		0.48	U	0.39	4.8
cis-1,3-Dichloropropene		0.48	U	0.33	4.8
Dibromochloromethane		0.96	U	0.53	4.8
1,2-Dibromoethane		0.96	U	0.48	4.8
1,1-Dichloroethane		0.48	U	0.34	4.8
1,2-Dichloroethane		0.48	U	0.33	4.8
1,1-Dichloroethene		0.96	U	0.50	4.8
1,2-Dichloroethene, Total		0.96	U	0.74	9.6
1,2-Dichloropropane		0.96	U	0.66	4.8
Ethylbenzene		0.48	U	0.25	4.8
2-Hexanone		0.96	U	0.60	19
Methylene Chloride		1.3	J B	0.64	4.8
4-Methyl-2-pentanone (MIBK)		0.96	U	0.52	19
Styrene		0.48	U	0.14	4.8
1,1,2,2-Tetrachloroethane		0.48	U	0.33	4.8
Tetrachloroethene		0.96	U	0.50	4.8
Toluene		0.48	U	0.26	4.8
trans-1,3-Dichloropropene		0.96	U	0.52	4.8
1,1,1-Trichloroethane		0.96	U	0.54	4.8
1,1,2-Trichloroethane		0.48	U	0.37	4.8
Trichloroethene		0.48	U	0.40	4.8
Vinyl chloride		0.48	U	0.37	4.8
Xylenes, Total		1.4	U	0.64	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		85 - 120
Dibromofluoromethane (Surr)	91		59 - 138
1,2-Dichloroethane-d4 (Surr)	107		61 - 130
Toluene-d8 (Surr)	101		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid % Moisture: 22.3 Date Received: 03/26/2013 1816

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80275	Lab File ID:	141740.D
Dilution:	1.0			Initial Weight/Volume:	5.718 g
Analysis Date:	04/03/2013 1327			Final Weight/Volume:	5 mL
Prep Date:	03/26/2013 1910				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		7.1	U	7.1	23
Benzene		0.56	U	0.26	5.6
Bromochloromethane		1.1	U	0.80	5.6
Bromodichloromethane		0.56	U	0.32	5.6
Bromoform		0.56	U	0.37	5.6
Bromomethane		1.1	U	0.61	5.6
2-Butanone (MEK)		2.3	U	1.6	23
Carbon disulfide		0.56	U	0.50	5.6
Carbon tetrachloride		0.56	U	0.42	5.6
Chlorobenzene		0.56	U	0.37	5.6
Chloroethane		1.1	U	0.97	5.6
Chloroform		0.56	U	0.33	5.6
Chloromethane		0.56	U	0.46	5.6
cis-1,3-Dichloropropene		0.56	U	0.38	5.6
Dibromochloromethane		1.1	U	0.62	5.6
1,2-Dibromoethane		1.1	U	0.56	5.6
1,1-Dichloroethane		0.56	U	0.41	5.6
1,2-Dichloroethane		0.56	U	0.38	5.6
1,1-Dichloroethene		1.1	U	0.59	5.6
1,2-Dichloroethene, Total		1.1	U	0.87	11
1,2-Dichloropropane		1.1	U	0.78	5.6
Ethylbenzene		0.56	U	0.29	5.6
2-Hexanone		1.1	U	0.71	23
Methylene Chloride		2.1	J B	0.75	5.6
4-Methyl-2-pentanone (MIBK)		1.1	U	0.61	23
Styrene		0.56	U	0.17	5.6
1,1,2,2-Tetrachloroethane		0.56	U	0.38	5.6
Tetrachloroethene		1.1	U	0.59	5.6
Toluene		0.56	U	0.30	5.6
trans-1,3-Dichloropropene		1.1	U	0.61	5.6
1,1,1-Trichloroethane		1.1	U	0.63	5.6
1,1,2-Trichloroethane		0.56	U	0.44	5.6
Trichloroethene		0.56	U	0.47	5.6
Vinyl chloride		0.56	U	0.44	5.6
Xylenes, Total		1.7	U	0.75	11

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		85 - 120
Dibromofluoromethane (Surr)	84		59 - 138
1,2-Dichloroethane-d4 (Surr)	97		61 - 130
Toluene-d8 (Surr)	94		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid % Moisture: 18.9 Date Received: 03/26/2013 1816

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80275	Lab File ID:	141741.D
Dilution:	1.0			Initial Weight/Volume:	5.773 g
Analysis Date:	04/03/2013 1349			Final Weight/Volume:	5 mL
Prep Date:	03/26/2013 1910				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		6.7	U	6.7	21
Benzene		0.53	U	0.25	5.3
Bromochloromethane		1.1	U	0.76	5.3
Bromodichloromethane		0.53	U	0.30	5.3
Bromoform		0.53	U	0.35	5.3
Bromomethane		1.1	U	0.58	5.3
2-Butanone (MEK)		2.1	U	1.5	21
Carbon disulfide		0.53	U	0.47	5.3
Carbon tetrachloride		0.53	U	0.40	5.3
Chlorobenzene		0.53	U	0.35	5.3
Chloroethane		1.1	U	0.92	5.3
Chloroform		0.53	U	0.31	5.3
Chloromethane		0.53	U	0.44	5.3
cis-1,3-Dichloropropene		0.53	U	0.36	5.3
Dibromochloromethane		1.1	U	0.59	5.3
1,2-Dibromoethane		1.1	U	0.53	5.3
1,1-Dichloroethane		0.53	U	0.38	5.3
1,2-Dichloroethane		0.53	U	0.36	5.3
1,1-Dichloroethene		1.1	U	0.56	5.3
1,2-Dichloroethene, Total		1.1	U	0.82	11
1,2-Dichloropropane		1.1	U	0.74	5.3
Ethylbenzene		0.53	U	0.28	5.3
2-Hexanone		1.1	U	0.67	21
Methylene Chloride		1.7	J B	0.72	5.3
4-Methyl-2-pentanone (MIBK)		1.1	U	0.58	21
Styrene		0.53	U	0.16	5.3
1,1,2,2-Tetrachloroethane		0.53	U	0.36	5.3
Tetrachloroethene		1.1	U	0.56	5.3
Toluene		0.53	U	0.29	5.3
trans-1,3-Dichloropropene		1.1	U	0.58	5.3
1,1,1-Trichloroethane		1.1	U	0.60	5.3
1,1,2-Trichloroethane		0.53	U	0.42	5.3
Trichloroethene		0.53	U	0.45	5.3
Vinyl chloride		0.53	U	0.42	5.3
Xylenes, Total		1.6	U	0.72	11

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	88		85 - 120
Dibromofluoromethane (Surr)	84		59 - 138
1,2-Dichloroethane-d4 (Surr)	102		61 - 130
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid % Moisture: 16.4 Date Received: 03/26/2013 1816

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80302	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80275	Lab File ID:	141718.D
Dilution:	1.0			Initial Weight/Volume:	6.224 g
Analysis Date:	04/02/2013 2033			Final Weight/Volume:	5 mL
Prep Date:	03/26/2013 1910				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		6.1	U	6.1	19
Benzene		0.48	U	0.22	4.8
Bromochloromethane		0.96	U	0.68	4.8
Bromodichloromethane		0.48	U	0.27	4.8
Bromoform		0.48	U	0.32	4.8
Bromomethane		0.96	U	0.52	4.8
2-Butanone (MEK)		1.9	U	1.3	19
Carbon disulfide		0.48	U	0.42	4.8
Carbon tetrachloride		0.48	U	0.36	4.8
Chlorobenzene		0.48	U	0.32	4.8
Chloroethane		0.96	U	0.83	4.8
Chloroform		0.48	U	0.28	4.8
Chloromethane		0.48	U	0.39	4.8
cis-1,3-Dichloropropene		0.48	U	0.33	4.8
Dibromochloromethane		0.96	U	0.53	4.8
1,2-Dibromoethane		0.96	U	0.48	4.8
1,1-Dichloroethane		0.48	U	0.35	4.8
1,2-Dichloroethane		0.48	U	0.33	4.8
1,1-Dichloroethene		0.96	U	0.50	4.8
1,2-Dichloroethene, Total		0.96	U	0.74	9.6
1,2-Dichloropropane		0.96	U	0.66	4.8
Ethylbenzene		0.48	U	0.25	4.8
2-Hexanone		0.96	U	0.61	19
Methylene Chloride		1.6	J B	0.64	4.8
4-Methyl-2-pentanone (MIBK)		0.96	U	0.52	19
Styrene		0.48	U	0.14	4.8
1,1,2,2-Tetrachloroethane		0.48	U	0.33	4.8
Tetrachloroethene		0.96	U	0.50	4.8
Toluene		0.48	U	0.26	4.8
trans-1,3-Dichloropropene		0.96	U	0.52	4.8
1,1,1-Trichloroethane		0.96	U	0.54	4.8
1,1,2-Trichloroethane		0.48	U	0.37	4.8
Trichloroethene		0.48	U	0.40	4.8
Vinyl chloride		0.48	U	0.37	4.8
Xylenes, Total		1.4	U	0.64	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	58	Q	85 - 120
Dibromofluoromethane (Surr)	63		59 - 138
1,2-Dichloroethane-d4 (Surr)	76		61 - 130
Toluene-d8 (Surr)	71	Q	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid % Moisture: 25.2 Date Received: 03/26/2013 1816

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80275	Lab File ID:	141743.D
Dilution:	1.0			Initial Weight/Volume:	4.096 g
Analysis Date:	04/03/2013 1432			Final Weight/Volume:	5 mL
Prep Date:	03/26/2013 1910				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		34		10	33
Benzene		0.82	U	0.38	8.2
Bromochloromethane		1.6	U	1.2	8.2
Bromodichloromethane		0.82	U	0.46	8.2
Bromoform		0.82	U	0.54	8.2
Bromomethane		1.6	U	0.88	8.2
2-Butanone (MEK)		4.0	J	2.3	33
Carbon disulfide		0.82	U	0.72	8.2
Carbon tetrachloride		0.82	U	0.60	8.2
Chlorobenzene		0.82	U	0.54	8.2
Chloroethane		1.6	U	1.4	8.2
Chloroform		0.82	U	0.47	8.2
Chloromethane		0.82	U	0.67	8.2
cis-1,3-Dichloropropene		0.82	U	0.55	8.2
Dibromochloromethane		1.6	U	0.90	8.2
1,2-Dibromoethane		1.6	U	0.82	8.2
1,1-Dichloroethane		0.82	U	0.59	8.2
1,2-Dichloroethane		0.82	U	0.55	8.2
1,1-Dichloroethene		1.6	U	0.85	8.2
1,2-Dichloroethene, Total		1.6	U	1.3	16
1,2-Dichloropropane		1.6	U	1.1	8.2
Ethylbenzene		0.82	U	0.42	8.2
2-Hexanone		1.6	U	1.0	33
Methylene Chloride		2.1	J B	1.1	8.2
4-Methyl-2-pentanone (MIBK)		1.6	U	0.88	33
Styrene		0.82	U	0.24	8.2
1,1,2,2-Tetrachloroethane		0.82	U	0.55	8.2
Tetrachloroethene		1.6	U	0.85	8.2
Toluene		0.82	U	0.44	8.2
trans-1,3-Dichloropropene		1.6	U	0.88	8.2
1,1,1-Trichloroethane		1.6	U	0.91	8.2
1,1,2-Trichloroethane		0.82	U	0.64	8.2
Trichloroethene		0.82	U	0.69	8.2
Vinyl chloride		0.82	U	0.64	8.2
Xylenes, Total		2.4	U	1.1	16

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	124	Q	85 - 120
Dibromofluoromethane (Surr)	89		59 - 138
1,2-Dichloroethane-d4 (Surr)	110		61 - 130
Toluene-d8 (Surr)	114		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 240-22488-25TB Date Sampled: 03/25/2013 0000
Client Matrix: Water Date Received: 03/26/2013 1816

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:	UXR3285.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1355			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1355				

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	9.4	J	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	1.2		0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	87		85 - 120
1,2-Dichloroethane-d4 (Surr)	93		70 - 120
4-Bromofluorobenzene (Surr)	77		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415010.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1243			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		46		3.3	6.7
Benzo[a]anthracene		39		3.3	6.7
Benzo[a]pyrene		24		3.3	6.7
Benzo[b]fluoranthene		40		3.3	6.7
Benzo[g,h,i]perylene		16		3.3	6.7
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		15	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.5	100
Bis(2-ethylhexyl) phthalate		54		19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	50
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		41		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	50
2,4-Dimethylphenol		80	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
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	50
Fluoranthene		91		3.3	6.7
Fluorene		13		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: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415010.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1243			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		16	M	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		10		3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		9.6		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		77		3.3	6.7
Phenol		27	U	27	50
Pyrene		60		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		80	U	80	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		45 - 105
2-Fluorophenol (Surr)	64		35 - 105
Nitrobenzene-d5 (Surr)	57		35 - 100
Phenol-d5 (Surr)	68		40 - 100
Terphenyl-d14 (Surr)	52		30 - 125
2,4,6-Tribromophenol (Surr)	65		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415011.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.22 g
Analysis Date:	04/15/2013 1303			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		4.1	J	3.3	6.6
Benzo[a]pyrene		3.3	U	3.3	6.6
Benzo[b]fluoranthene		3.9	J	3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U M	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		24	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	9.9	50
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		3.4	J	1.1	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.6	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		79	U	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		6.1	J	3.3	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	50

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415011.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.22 g
Analysis Date:	04/15/2013 1303			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	50
2-Methylnaphthalene		11		3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	400
Naphthalene		9.5		3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	50
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		79	U	79	150
Phenanthrene		7.5		3.3	6.6
Phenol		27	U	27	50
Pyrene		3.9	J	3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		45 - 105
2-Fluorophenol (Surr)	62	M	35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	65		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	64		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415012.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.96 g
Analysis Date:	04/15/2013 1323			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.8	J	3.3	6.7
Benzo[a]anthracene		20		3.3	6.7
Benzo[a]pyrene		18		3.3	6.7
Benzo[b]fluoranthene		30		3.3	6.7
Benzo[g,h,i]perylene		12		3.3	6.7
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		9.3	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.5	100
Bis(2-ethylhexyl) phthalate		69		19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	50
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		23		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	50
2,4-Dimethylphenol		80	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
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	50
Fluoranthene		42		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: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415012.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.96 g
Analysis Date:	04/15/2013 1323			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		12		3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		11		3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		12		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		22		3.3	6.7
Phenol		27	U	27	50
Pyrene		32		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		80	U	80	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		45 - 105
2-Fluorophenol (Surr)	62		35 - 105
Nitrobenzene-d5 (Surr)	55		35 - 100
Phenol-d5 (Surr)	64		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	67	M	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415013.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.39 g
Analysis Date:	04/15/2013 1343			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		5.1	J	3.3	6.6
Benzo[a]pyrene		4.3	J	3.3	6.6
Benzo[b]fluoranthene		7.0		3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	650
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		34	J	19	49
4-Bromophenyl phenyl ether		27	U	13	49
Butyl benzyl phthalate		27	U	9.9	49
Carbazole		27	U	27	49
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	49
2-Chlorophenol		27	U	27	49
4-Chlorophenyl phenyl ether		27	U	13	49
Chrysene		6.0	J	1.1	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		3.3	U	3.3	49
1,2-Dichlorobenzene		27	U	9.6	49
1,3-Dichlorobenzene		27	U	11	49
1,4-Dichlorobenzene		27	U	20	49
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	49
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	49
Di-n-butyl phthalate		27	U	15	49
4,6-Dinitro-2-methylphenol		79	U	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	49
Fluoranthene		15		3.3	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	49
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	49

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415013.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.39 g
Analysis Date:	04/15/2013 1343			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	49
2-Methylnaphthalene		8.6		3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	390
Naphthalene		8.7		3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	49
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	49
N-Nitrosodiphenylamine		27	U	21	49
Pentachlorophenol		79	U	79	150
Phenanthrene		16		3.3	6.6
Phenol		27	U	27	49
Pyrene		10		3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	49
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		45 - 105
2-Fluorophenol (Surr)	56		35 - 105
Nitrobenzene-d5 (Surr)	53		35 - 100
Phenol-d5 (Surr)	57		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	64		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415014.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.04 g
Analysis Date:	04/15/2013 1403			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.3	U	3.3	6.7
Benzo[a]anthracene		15		3.3	6.7
Benzo[a]pyrene		16		3.3	6.7
Benzo[b]fluoranthene		28		3.3	6.7
Benzo[g,h,i]perylene		13		3.3	6.7
Benzoic acid		330	U M	330	660
Benzo[k]fluoranthene		9.6	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.5	100
Bis(2-ethylhexyl) phthalate		27	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		21	J	10	50
Carbazole		27	U	27	50
4-Chloroaniline		27	U J	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		23		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 J	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		80	U J	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
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	50
Fluoranthene		31		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: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-80589	Lab File ID:	30415014.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.04 g
Analysis Date:	04/15/2013 1403			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		12		3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		8.6		3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		9.2		3.3	6.7
2-Nitroaniline		27	U	9.1	200
3-Nitroaniline		80	U J	16	200
4-Nitroaniline		27	U J	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		16		3.3	6.7
Phenol		27	U	27	50
Pyrene		26		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		80	U	80	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		45 - 105
2-Fluorophenol (Surr)	57		35 - 105
Nitrobenzene-d5 (Surr)	48		35 - 100
Phenol-d5 (Surr)	64		40 - 100
Terphenyl-d14 (Surr)	55		30 - 125
2,4,6-Tribromophenol (Surr)	67		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1654			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U	0.61	2.0
4,4'-DDE		0.66	U	0.39	1.7
4,4'-DDT		0.66	U	0.62	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.72	2.5
alpha-Chlordane		1.3	U	0.93	3.0
beta-BHC		1.3	U	1.1	3.5
delta-BHC		1.3	U	1.2	4.0
Dieldrin		0.66	U	0.47	1.7
Endosulfan I		0.66	U	0.52	1.7
Endosulfan II		1.3	U	0.81	2.5
Endosulfan sulfate		1.3	U	0.86	3.0
Endrin		0.66	U	0.50	1.7
Endrin aldehyde		1.3	U	0.99	3.0
Endrin ketone		0.66	U	0.62	2.0
gamma-BHC (Lindane)		1.3	U	0.73	2.5
gamma-Chlordane		0.66	U	0.42	1.7
Heptachlor		1.3	U	1.1	3.5
Heptachlor epoxide		1.3	U	0.79	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	66

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1654			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		55 - 130
Tetrachloro-m-xylene	101		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.47 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1714			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U	0.61	2.0
4,4'-DDE		0.66	U	0.38	1.7
4,4'-DDT		0.66	U	0.62	2.0
Aldrin		1.3	U	1.2	3.9
alpha-BHC		1.3	U	0.72	2.5
alpha-Chlordane		1.3	U	0.93	3.0
beta-BHC		1.3	U	1.1	3.4
delta-BHC		1.3	U	1.2	3.9
Dieldrin		0.66	U	0.46	1.7
Endosulfan I		0.66	U	0.51	1.7
Endosulfan II		1.3	U	0.81	2.5
Endosulfan sulfate		1.3	U	0.86	3.0
Endrin		0.66	U	0.49	1.7
Endrin aldehyde		1.3	U	0.98	3.0
Endrin ketone		0.66	U	0.62	2.0
gamma-BHC (Lindane)		1.3	U	0.73	2.5
gamma-Chlordane		0.66	U	0.41	1.7
Heptachlor		1.3	U	1.1	3.4
Heptachlor epoxide		1.3	U	0.79	2.5
Methoxychlor		3.2	U	1.5	4.9
Toxaphene		20	U	19	66

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		55 - 130
Tetrachloro-m-xylene	91		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.47 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1714			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		55 - 130
Tetrachloro-m-xylene	97		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.06 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1734			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		55 - 130
Tetrachloro-m-xylene	82		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.06 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1734			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.20 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1754			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U	0.62	2.0
4,4'-DDE		0.67	U	0.39	1.7
4,4'-DDT		0.67	U	0.63	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.73	2.5
alpha-Chlordane		1.3	U	0.93	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	0.81	2.5
Endosulfan sulfate		1.3	U	0.86	3.0
Endrin		0.67	U	0.50	1.7
Endrin aldehyde		1.3	U	0.99	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	0.79	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		55 - 130
Tetrachloro-m-xylene	88		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	30.20 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1754			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		55 - 130
Tetrachloro-m-xylene	90		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	29.92 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1815			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		55 - 130
Tetrachloro-m-xylene	75		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-80550	Initial Weight/Volume:	29.92 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1815			Injection Volume:	1 uL
Prep Date:	04/04/2013 0942			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		55 - 130
Tetrachloro-m-xylene	92		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 0939			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	64
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	54
Aroclor-1254		25	U	17	54
Aroclor-1260		25	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		40 - 140
DCB Decachlorobiphenyl	79		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 0939			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.47 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 0953			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	39
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		40 - 140
DCB Decachlorobiphenyl	84		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.47 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 0953			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	128		40 - 140
DCB Decachlorobiphenyl	80		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.06 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1007			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		40 - 140
DCB Decachlorobiphenyl	60		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.06 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1007			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	52	Q	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.20 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1022			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		40 - 140
DCB Decachlorobiphenyl	74		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	30.20 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1022			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	29.92 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1105			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	PRIMARY
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		40 - 140
DCB Decachlorobiphenyl	69		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-80543	Initial Weight/Volume:	29.92 g
Dilution:	1.0	Leach Batch:	240-80070	Final Weight/Volume:	10 mL
Analysis Date:	04/08/2013 1105			Injection Volume:	1 uL
Prep Date:	04/04/2013 0920			Result Type:	SECONDARY
Leach Date:	03/27/2013 1100				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	52	Q	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003783-052-1.d
Dilution:	1.0			Initial Weight/Volume:	2.02 g
Analysis Date:	04/10/2013 0723			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003783-053-1.d
Dilution:	1.0			Initial Weight/Volume:	2.01 g
Analysis Date:	04/10/2013 0741			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003783-054-1.d
Dilution:	1.0			Initial Weight/Volume:	2.09 g
Analysis Date:	04/10/2013 0759			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			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: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003783-055-1.d
Dilution:	1.0			Initial Weight/Volume:	2.05 g
Analysis Date:	04/10/2013 0817			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.020	0.24

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-13918	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003783-057-1.d
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Analysis Date:	04/10/2013 0852			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.023	J	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14050	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-13711	Lab File ID:	320-0003819-012-1.d
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Analysis Date:	04/10/2013 2027			Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-13851	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/09/2013 1146			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			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	0.0052	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
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 2201			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	PRIMARY

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 2201			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	111		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-13851	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/09/2013 0117			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			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		0.011	J	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 1313			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			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: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 1313			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	104		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-13851	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/09/2013 1631			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			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
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U M	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		0.013	J	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 2307			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 2307			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	730	Q	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-13851	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/09/2013 1825			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.012	J	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	91		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/19/2013 0014			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13607	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/19/2013 0014			Injection Volume:	500 uL
Prep Date:	04/04/2013 0931			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	114		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-13851	Instrument ID:	LC11
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/09/2013 0215			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			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	0.0052	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	91		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 1419			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			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: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14569	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-13728	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/18/2013 1419			Injection Volume:	500 uL
Prep Date:	04/05/2013 1221			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	106		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0126M-0001-SO**

Lab Sample ID: 240-22488-1 Date Sampled: 03/25/2013 1728
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0618			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.011	0.099
Aluminum		10000	J	0.28	3.0
Arsenic		8.1		0.018	0.099
Barium		65	Q	0.011	0.99
Beryllium		0.51		0.0074	0.099
Calcium		700		1.3	9.9
Cadmium		0.12		0.013	0.099
Chromium		14		0.022	0.20
Cobalt		8.8	Q	0.0024	0.050
Copper		15	Q	0.033	0.20
Iron		23000	J	1.1	5.0
Magnesium		2200		1.1	9.9
Manganese		350	Q J	0.016	0.50
Sodium		38		2.6	9.9
Nickel		20		0.011	0.099
Lead		11	Q J	0.015	0.099
Antimony		0.13	J	0.045	0.20
Thallium		0.13		0.010	0.099
Vanadium		17		0.030	0.099
Zinc		44	Q	0.064	0.50
Potassium		760		3.1	9.9
Selenium		0.37	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.53 g
Analysis Date:	04/05/2013 1215			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.030	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0127M-0001-SO**

Lab Sample ID: 240-22488-2 Date Sampled: 03/25/2013 1728
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0504			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.036	J	0.011	0.098
Aluminum		11000		0.28	2.9
Arsenic		8.6		0.018	0.098
Barium		62	Q	0.010	0.98
Beryllium		0.56		0.0074	0.098
Calcium		680		1.3	9.8
Cadmium		0.13		0.013	0.098
Chromium		15		0.022	0.20
Cobalt		9.1	Q	0.0024	0.049
Copper		16	Q	0.032	0.20
Iron		24000		1.1	4.9
Magnesium		2200		1.1	9.8
Manganese		340	Q	0.016	0.49
Sodium		39		2.6	9.8
Nickel		18		0.011	0.098
Lead		13	Q	0.015	0.098
Antimony		0.13	J	0.045	0.20
Thallium		0.14		0.010	0.098
Vanadium		18		0.029	0.098
Zinc		45	Q	0.064	0.49
Potassium		760		3.1	9.8
Selenium		0.30	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1216			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.040	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0128M-0001-SO**

Lab Sample ID: 240-22488-3 Date Sampled: 03/25/2013 1720
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0512			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.025	J	0.011	0.098
Aluminum		9700		0.28	2.9
Arsenic		11		0.018	0.098
Barium		72	Q	0.010	0.98
Beryllium		0.63		0.0074	0.098
Calcium		5900		1.3	9.8
Cadmium		0.25		0.013	0.098
Chromium		15		0.022	0.20
Cobalt		8.4	Q	0.0024	0.049
Copper		17	Q	0.032	0.20
Iron		23000		1.1	4.9
Magnesium		2600		1.1	9.8
Manganese		440	Q	0.016	0.49
Sodium		70		2.6	9.8
Nickel		19		0.011	0.098
Lead		36	Q	0.015	0.098
Antimony		7.4		0.045	0.20
Thallium		0.13		0.010	0.098
Vanadium		14		0.029	0.098
Zinc		53	Q	0.064	0.49
Potassium		820		3.1	9.8
Selenium		0.34	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.62 g
Analysis Date:	04/05/2013 1220			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0129M-0001-SO**

Lab Sample ID: 240-22488-4 Date Sampled: 03/25/2013 1725
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0520			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.043	J	0.011	0.098
Aluminum		11000		0.28	2.9
Arsenic		9.8		0.018	0.098
Barium		67	Q	0.010	0.98
Beryllium		0.56		0.0074	0.098
Calcium		670		1.3	9.8
Cadmium		0.12		0.013	0.098
Chromium		14		0.022	0.20
Cobalt		15	Q	0.0024	0.049
Copper		14	Q	0.032	0.20
Iron		26000		1.1	4.9
Magnesium		2200		1.1	9.8
Manganese		640	Q	0.016	0.49
Sodium		45		2.6	9.8
Nickel		17		0.011	0.098
Lead		15	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.16		0.010	0.098
Vanadium		21		0.029	0.098
Zinc		42	Q	0.064	0.49
Potassium		780		3.1	9.8
Selenium		0.32	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.53 g
Analysis Date:	04/05/2013 1222			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.031	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0659			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.031	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		10		0.018	0.099
Barium		52	Q	0.011	0.99
Beryllium		0.52		0.0074	0.099
Calcium		730		1.3	9.9
Cadmium		0.12		0.013	0.099
Chromium		15		0.022	0.20
Cobalt		10	Q	0.0024	0.050
Copper		16	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		2200		1.1	9.9
Manganese		340	Q	0.016	0.50
Sodium		40		2.6	9.9
Nickel		18		0.011	0.099
Lead		13	Q	0.015	0.099
Antimony		0.21		0.045	0.20
Thallium		0.13		0.010	0.099
Vanadium		19		0.030	0.099
Zinc		43	Q	0.064	0.50
Potassium		770		3.1	9.9
Selenium		0.20	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.56 g
Analysis Date:	04/05/2013 1224			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.057	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0131M-0001-SO**

Lab Sample ID: 240-22488-6 Date Sampled: 03/25/2013 1658
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/29/2013 0708			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.040	J	0.011	0.095
Aluminum		12000		0.27	2.9
Arsenic		9.1		0.017	0.095
Barium		75	Q	0.010	0.95
Beryllium		0.58		0.0071	0.095
Calcium		1000		1.3	9.5
Cadmium		0.16		0.013	0.095
Chromium		15		0.021	0.19
Cobalt		8.0	Q	0.0023	0.048
Copper		16	Q	0.031	0.19
Iron		24000		1.0	4.8
Magnesium		2300		1.0	9.5
Manganese		470	Q	0.015	0.48
Sodium		37		2.5	9.5
Nickel		19		0.011	0.095
Lead		13	Q	0.015	0.095
Antimony		0.63		0.044	0.19
Thallium		0.15		0.0097	0.095
Vanadium		20		0.028	0.095
Zinc		45	Q	0.062	0.48
Potassium		680		3.0	9.5
Selenium		0.25	J	0.048	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1226			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.046	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0716			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.028	J	0.011	0.10
Aluminum		13000		0.28	3.0
Arsenic		9.6		0.018	0.10
Barium		84	Q	0.011	1.0
Beryllium		0.60		0.0075	0.10
Calcium		770		1.3	10
Cadmium		0.13		0.013	0.10
Chromium		16		0.022	0.20
Cobalt		9.3	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		2900		1.1	10
Manganese		220	Q	0.016	0.50
Sodium		39		2.7	10
Nickel		24		0.011	0.10
Lead		11	Q	0.015	0.10
Antimony		0.053	J	0.046	0.20
Thallium		0.15		0.010	0.10
Vanadium		19		0.030	0.10
Zinc		45	Q	0.065	0.50
Potassium		950		3.2	10
Selenium		0.25	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.57 g
Analysis Date:	04/05/2013 1227			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.047	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0133M-0001-SO**

Lab Sample ID: 240-22488-8 Date Sampled: 03/25/2013 1710
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0724			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.011	0.099
Aluminum		7500		0.28	3.0
Arsenic		4.5		0.018	0.099
Barium		41	Q	0.011	0.99
Beryllium		0.43		0.0074	0.099
Calcium		500		1.3	9.9
Cadmium		0.16		0.013	0.099
Chromium		14		0.022	0.20
Cobalt		8.1	Q	0.0024	0.050
Copper		11	Q	0.033	0.20
Iron		21000		1.1	5.0
Magnesium		1700		1.1	9.9
Manganese		440	Q	0.016	0.50
Sodium		32		2.6	9.9
Nickel		21		0.011	0.099
Lead		9.2	Q	0.015	0.099
Antimony		0.045	J	0.045	0.20
Thallium		0.098	J	0.010	0.099
Vanadium		14		0.030	0.099
Zinc		43	Q	0.064	0.50
Potassium		720		3.1	9.9
Selenium		0.17	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.53 g
Analysis Date:	04/05/2013 1229			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.019	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0134M-0001-SO**

Lab Sample ID: 240-22488-9 Date Sampled: 03/25/2013 1630
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	04/29/2013 0732			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.041	J	0.011	0.097
Aluminum		11000		0.28	2.9
Arsenic		7.8		0.018	0.097
Barium		67	Q	0.010	0.97
Beryllium		0.54		0.0073	0.097
Calcium		1200		1.3	9.7
Cadmium		0.16		0.013	0.097
Chromium		15		0.022	0.19
Cobalt		8.6	Q	0.0023	0.049
Copper		14	Q	0.032	0.19
Iron		22000		1.0	4.9
Magnesium		2200		1.0	9.7
Manganese		450	Q	0.015	0.49
Sodium		40		2.6	9.7
Nickel		18		0.011	0.097
Lead		13	Q	0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.14		0.0099	0.097
Vanadium		20		0.029	0.097
Zinc		44	Q	0.063	0.49
Potassium		730		3.1	9.7
Selenium		0.31	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.59 g
Analysis Date:	04/05/2013 1339			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.050	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0135M-0001-SO**

Lab Sample ID: 240-22488-10 Date Sampled: 03/25/2013 1632
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0757			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.011	0.10
Aluminum		8100		0.28	3.0
Arsenic		5.5		0.018	0.10
Barium		53	Q	0.011	1.0
Beryllium		0.48		0.0075	0.10
Calcium		3600		1.3	10
Cadmium		0.15		0.013	0.10
Chromium		14		0.022	0.20
Cobalt		8.5	Q	0.0024	0.050
Copper		14	Q	0.033	0.20
Iron		17000		1.1	5.0
Magnesium		2400		1.1	10
Manganese		400	Q	0.016	0.50
Sodium		54		2.7	10
Nickel		21		0.011	0.10
Lead		10	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.097	J	0.010	0.10
Vanadium		13		0.030	0.10
Zinc		34	Q	0.065	0.50
Potassium		790		3.2	10
Selenium		0.25	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.56 g
Analysis Date:	04/05/2013 1348			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.039	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	04/29/2013 0805			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.097
Aluminum		12000		0.28	2.9
Arsenic		10		0.018	0.097
Barium		79	Q	0.010	0.97
Beryllium		0.68		0.0073	0.097
Calcium		680		1.3	9.7
Cadmium		0.19		0.013	0.097
Chromium		16		0.022	0.19
Cobalt		12	Q	0.0023	0.049
Copper		18	Q	0.032	0.19
Iron		26000		1.0	4.9
Magnesium		3000		1.0	9.7
Manganese		500	Q	0.015	0.49
Sodium		38		2.6	9.7
Nickel		26		0.011	0.097
Lead		13	Q	0.015	0.097
Antimony		0.063	J	0.045	0.19
Thallium		0.14		0.0099	0.097
Vanadium		19		0.029	0.097
Zinc		54	Q	0.063	0.49
Potassium		830		3.1	9.7
Selenium		0.28	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.54 g
Analysis Date:	04/05/2013 1350			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.017	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0137M-0001-SO**

Lab Sample ID: 240-22488-12 Date Sampled: 03/25/2013 1601
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0813			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.025	J	0.011	0.098
Aluminum		9100		0.28	2.9
Arsenic		6.7		0.018	0.098
Barium		55	Q	0.010	0.98
Beryllium		0.53		0.0074	0.098
Calcium		1200		1.3	9.8
Cadmium		0.15		0.013	0.098
Chromium		16		0.022	0.20
Cobalt		11	Q	0.0024	0.049
Copper		16	Q	0.032	0.20
Iron		22000		1.1	4.9
Magnesium		2400		1.1	9.8
Manganese		350	Q	0.016	0.49
Sodium		35		2.6	9.8
Nickel		24		0.011	0.098
Lead		11	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.11		0.010	0.098
Vanadium		14		0.029	0.098
Zinc		42	Q	0.064	0.49
Potassium		890		3.1	9.8
Selenium		0.23	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1352			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.026	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0138M-0001-SO**

Lab Sample ID: 240-22488-13 Date Sampled: 03/25/2013 1545
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0822			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.025	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		7.2		0.018	0.099
Barium		51	Q	0.011	0.99
Beryllium		0.43		0.0074	0.099
Calcium		670		1.3	9.9
Cadmium		0.13		0.013	0.099
Chromium		14		0.022	0.20
Cobalt		8.6	Q	0.0024	0.050
Copper		14	Q	0.033	0.20
Iron		22000		1.1	5.0
Magnesium		2300		1.1	9.9
Manganese		270	Q	0.016	0.50
Sodium		40		2.6	9.9
Nickel		17		0.011	0.099
Lead		11	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.12		0.010	0.099
Vanadium		19		0.030	0.099
Zinc		36	Q	0.064	0.50
Potassium		690		3.1	9.9
Selenium		0.30	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.66 g
Analysis Date:	04/05/2013 1353			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.041	J	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0139M-0001-SO**

Lab Sample ID: 240-22488-14 Date Sampled: 03/25/2013 1529
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0830			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.050	J	0.011	0.10
Aluminum		12000		0.28	3.0
Arsenic		8.6		0.018	0.10
Barium		69	Q	0.011	1.0
Beryllium		0.62		0.0075	0.10
Calcium		790		1.3	10
Cadmium		0.14		0.013	0.10
Chromium		14		0.022	0.20
Cobalt		10	Q	0.0024	0.050
Copper		12	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		1700		1.1	10
Manganese		390	Q	0.016	0.50
Sodium		36		2.7	10
Nickel		15		0.011	0.10
Lead		14	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.14		0.010	0.10
Vanadium		23		0.030	0.10
Zinc		47	Q	0.065	0.50
Potassium		650		3.2	10
Selenium		0.39	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.57 g
Analysis Date:	04/05/2013 1355			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.052	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0141M-0001-SO**

Lab Sample ID: 240-22488-15 Date Sampled: 03/25/2013 1512
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0838			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.042	J	0.011	0.099
Aluminum		14000		0.28	3.0
Arsenic		8.7		0.018	0.099
Barium		100	Q	0.011	0.99
Beryllium		0.87		0.0074	0.099
Calcium		18000		1.3	9.9
Cadmium		0.19		0.013	0.099
Chromium		16		0.022	0.20
Cobalt		7.6	Q	0.0024	0.050
Copper		16	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		5000		1.1	9.9
Manganese		870	Q	0.016	0.50
Sodium		130		2.6	9.9
Nickel		20		0.011	0.099
Lead		12	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.13		0.010	0.099
Vanadium		19		0.030	0.099
Zinc		39	Q	0.064	0.50
Potassium		920		3.1	9.9
Selenium		0.39	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.58 g
Analysis Date:	04/05/2013 1356			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.048	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0142M-0001-SO**

Lab Sample ID: 240-22488-16 Date Sampled: 03/25/2013 1430
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0846			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.098
Aluminum		12000		0.28	2.9
Arsenic		9.9		0.018	0.098
Barium		64	Q	0.010	0.98
Beryllium		0.51		0.0074	0.098
Calcium		900		1.3	9.8
Cadmium		0.15		0.013	0.098
Chromium		14		0.022	0.20
Cobalt		9.5	Q	0.0024	0.049
Copper		17	Q	0.032	0.20
Iron		24000		1.1	4.9
Magnesium		2600		1.1	9.8
Manganese		360	Q	0.016	0.49
Sodium		42		2.6	9.8
Nickel		19		0.011	0.098
Lead		12	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.14		0.010	0.098
Vanadium		20		0.029	0.098
Zinc		43	Q	0.064	0.49
Potassium		740		3.1	9.8
Selenium		0.32	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.54 g
Analysis Date:	04/05/2013 1358			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.029	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0143M-0001-SO**

Lab Sample ID: 240-22488-17 Date Sampled: 03/25/2013 1430
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	04/29/2013 0855			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.097
Aluminum		10000		0.28	2.9
Arsenic		11		0.018	0.097
Barium		77	Q	0.010	0.97
Beryllium		0.70		0.0073	0.097
Calcium		720		1.3	9.7
Cadmium		0.21		0.013	0.097
Chromium		18		0.022	0.19
Cobalt		13	Q	0.0023	0.049
Copper		19	Q	0.032	0.19
Iron		27000		1.0	4.9
Magnesium		2800		1.0	9.7
Manganese		470	Q	0.015	0.49
Sodium		42		2.6	9.7
Nickel		28		0.011	0.097
Lead		13	Q	0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.13		0.0099	0.097
Vanadium		17		0.029	0.097
Zinc		53	Q	0.063	0.49
Potassium		820		3.1	9.7
Selenium		0.32	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.59 g
Analysis Date:	04/05/2013 1402			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/29/2013 0903			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.011	0.098
Aluminum		11000		0.28	2.9
Arsenic		8.9		0.018	0.098
Barium		61	Q	0.010	0.98
Beryllium		0.52		0.0074	0.098
Calcium		760		1.3	9.8
Cadmium		0.14		0.013	0.098
Chromium		15		0.022	0.20
Cobalt		10	Q	0.0024	0.049
Copper		18	Q	0.032	0.20
Iron		25000		1.1	4.9
Magnesium		2400		1.1	9.8
Manganese		320	Q	0.016	0.49
Sodium		34		2.6	9.8
Nickel		19		0.011	0.098
Lead		11	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.12		0.010	0.098
Vanadium		19		0.029	0.098
Zinc		41	Q	0.064	0.49
Potassium		760		3.1	9.8
Selenium		0.35	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.61 g
Analysis Date:	04/05/2013 1404			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.045	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0145M-0001-SO**

Lab Sample ID: 240-22488-19 Date Sampled: 03/25/2013 1415
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	04/29/2013 0911			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.011	0.096
Aluminum		11000		0.27	2.9
Arsenic		9.4		0.017	0.096
Barium		72	Q	0.010	0.96
Beryllium		0.53		0.0072	0.096
Calcium		610		1.3	9.6
Cadmium		0.15		0.013	0.096
Chromium		15		0.021	0.19
Cobalt		10	Q	0.0023	0.048
Copper		17	Q	0.032	0.19
Iron		24000		1.0	4.8
Magnesium		2800		1.0	9.6
Manganese		290	Q	0.015	0.48
Sodium		59		2.6	9.6
Nickel		23		0.011	0.096
Lead		11	Q	0.015	0.096
Antimony		0.096	U	0.044	0.19
Thallium		0.12		0.0098	0.096
Vanadium		18		0.029	0.096
Zinc		44	Q	0.062	0.48
Potassium		760		3.0	9.6
Selenium		0.27	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.56 g
Analysis Date:	04/05/2013 1406			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.036	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0146M-0001-SO**

Lab Sample ID: 240-22488-20 Date Sampled: 03/25/2013 1130
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0936			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.033	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		11		0.018	0.099
Barium		72	Q	0.011	0.99
Beryllium		0.71		0.0074	0.099
Calcium		790		1.3	9.9
Cadmium		0.19		0.013	0.099
Chromium		18		0.022	0.20
Cobalt		13	Q	0.0024	0.050
Copper		19	Q	0.033	0.20
Iron		27000		1.1	5.0
Magnesium		2900		1.1	9.9
Manganese		520	Q	0.016	0.50
Sodium		37		2.6	9.9
Nickel		27		0.011	0.099
Lead		11	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.13		0.010	0.099
Vanadium		18		0.030	0.099
Zinc		49	Q	0.064	0.50
Potassium		860		3.1	9.9
Selenium		0.35	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.57 g
Analysis Date:	04/05/2013 1408			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.034	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0147M-0001-SO**

Lab Sample ID: 240-22488-21 Date Sampled: 03/25/2013 1145
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 1001			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.011	0.099
Aluminum		12000		0.28	3.0
Arsenic		11		0.018	0.099
Barium		74	Q	0.011	0.99
Beryllium		0.61		0.0074	0.099
Calcium		1200		1.3	9.9
Cadmium		0.17		0.013	0.099
Chromium		15		0.022	0.20
Cobalt		13	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		2700		1.1	9.9
Manganese		360	Q	0.016	0.50
Sodium		36		2.6	9.9
Nickel		22		0.011	0.099
Lead		12	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.15		0.010	0.099
Vanadium		19		0.030	0.099
Zinc		45	Q	0.064	0.50
Potassium		900		3.1	9.9
Selenium		0.27	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1409			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.040	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SB-0148M-0001-SO**

Lab Sample ID: 240-22488-22 Date Sampled: 03/25/2013 1210
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 1009			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.021	J	0.011	0.10
Aluminum		12000		0.28	3.0
Arsenic		11		0.018	0.10
Barium		72	Q	0.011	1.0
Beryllium		0.57		0.0075	0.10
Calcium		280		1.3	10
Cadmium		0.15		0.013	0.10
Chromium		16		0.022	0.20
Cobalt		11	Q	0.0024	0.050
Copper		19	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		3000		1.1	10
Manganese		250	Q	0.016	0.50
Sodium		54		2.7	10
Nickel		23		0.011	0.10
Lead		12	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.14		0.010	0.10
Vanadium		19		0.030	0.10
Zinc		49	Q	0.065	0.50
Potassium		870		3.2	10
Selenium		0.31	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.54 g
Analysis Date:	04/05/2013 1410			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 1017			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.040	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		9.7		0.018	0.099
Barium		56	Q	0.011	0.99
Beryllium		0.51		0.0074	0.099
Calcium		1300		1.3	9.9
Cadmium		0.18		0.013	0.099
Chromium		13		0.022	0.20
Cobalt		8.9	Q	0.0024	0.050
Copper		48	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		2100		1.1	9.9
Manganese		660	Q	0.016	0.50
Sodium		31		2.6	9.9
Nickel		14		0.011	0.099
Lead		16	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.14		0.010	0.099
Vanadium		21		0.030	0.099
Zinc		92	Q	0.064	0.50
Potassium		620		3.1	9.9
Selenium		0.29	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1412			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.038	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Client Sample ID: **079SS-0054M-0001-SO**

Lab Sample ID: 240-22488-24 Date Sampled: 03/25/2013 1508
Client Matrix: Solid Date Received: 03/26/2013 1816

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70345	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 1026			Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.046	J	0.011	0.10
Aluminum		11000		0.28	3.0
Arsenic		7.6		0.018	0.10
Barium		79	Q	0.011	1.0
Beryllium		0.51		0.0075	0.10
Calcium		7200		1.3	10
Cadmium		0.22		0.013	0.10
Chromium		13		0.022	0.20
Cobalt		8.4	Q	0.0024	0.050
Copper		180	Q	0.033	0.20
Iron		23000		1.1	5.0
Magnesium		2200		1.1	10
Manganese		720	Q	0.016	0.50
Sodium		46		2.7	10
Nickel		15		0.011	0.10
Lead		18	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.13		0.010	0.10
Vanadium		19		0.030	0.10
Zinc		180	Q	0.065	0.50
Potassium		670		3.2	10
Selenium		0.35	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80828	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.55 g
Analysis Date:	04/05/2013 1414			Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.051	J	0.015	0.11

General Chemistry

Client Sample ID: **079SB-0126M-0001-SO**

Lab Sample ID: 240-22488-1 Date Sampled: 03/25/2013 1728

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0127M-0001-SO**

Lab Sample ID: 240-22488-2 Date Sampled: 03/25/2013 1728

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0128M-0001-SO**

Lab Sample ID: 240-22488-3 Date Sampled: 03/25/2013 1720

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22488-1

General Chemistry

Client Sample ID: **079SB-0129M-0001-SO**

Lab Sample ID: 240-22488-4 Date Sampled: 03/25/2013 1725
Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0130M-0001-SO**

Lab Sample ID: 240-22488-5 Date Sampled: 03/25/2013 1735
Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.79	5.1	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1142						DryWt Corrected: N
Prep Batch: 320-13968	Prep Date: 04/10/2013 0801						

General Chemistry

Client Sample ID: **079SB-0131M-0001-SO**

Lab Sample ID: 240-22488-6 Date Sampled: 03/25/2013 1658

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	2.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0132M-0001-SO**

Lab Sample ID: 240-22488-7 Date Sampled: 03/25/2013 1652
Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.77	4.9	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1144						DryWt Corrected: N
Prep Batch: 320-13968	Prep Date: 04/10/2013 0801						

General Chemistry

Client Sample ID: **079SB-0133M-0001-SO**

Lab Sample ID: 240-22488-8 Date Sampled: 03/25/2013 1710

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0134M-0001-SO**

Lab Sample ID: 240-22488-9 Date Sampled: 03/25/2013 1630

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	2.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0135M-0001-SO**

Lab Sample ID: 240-22488-10 Date Sampled: 03/25/2013 1632

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0136M-0001-SO**

Lab Sample ID: 240-22488-11 Date Sampled: 03/25/2013 1631

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.78	5.0	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1146						DryWt Corrected: N
Prep Batch: 320-13968	Prep Date: 04/10/2013 0801						

General Chemistry

Client Sample ID: **079SB-0137M-0001-SO**

Lab Sample ID: 240-22488-12 Date Sampled: 03/25/2013 1601

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0138M-0001-SO**

Lab Sample ID: 240-22488-13 Date Sampled: 03/25/2013 1545

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0139M-0001-SO**

Lab Sample ID: 240-22488-14 Date Sampled: 03/25/2013 1529

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	2.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0141M-0001-SO**

Lab Sample ID: 240-22488-15 Date Sampled: 03/25/2013 1512

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	2.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0142M-0001-SO**

Lab Sample ID: 240-22488-16 Date Sampled: 03/25/2013 1430

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0143M-0001-SO**

Lab Sample ID: 240-22488-17 Date Sampled: 03/25/2013 1430

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0144M-0001-SO**

Lab Sample ID: 240-22488-18 Date Sampled: 03/25/2013 1437

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.76	4.9	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1148						DryWt Corrected: N
Prep Batch: 320-13968	Prep Date: 04/10/2013 0801						

General Chemistry

Client Sample ID: **079SB-0145M-0001-SO**

Lab Sample ID: 240-22488-19 Date Sampled: 03/25/2013 1415

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0146M-0001-SO**

Lab Sample ID: 240-22488-20 Date Sampled: 03/25/2013 1130

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0147M-0001-SO**

Lab Sample ID: 240-22488-21 Date Sampled: 03/25/2013 1145

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0148M-0001-SO**

Lab Sample ID: 240-22488-22 Date Sampled: 03/25/2013 1210

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	2.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0053M-0001-SO**

Lab Sample ID: 240-22488-23 Date Sampled: 03/25/2013 1645
Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.77	4.9	1.0	WS-WC-0050
Analysis Batch: 320-14024	Analysis Date: 04/10/2013 1150						DryWt Corrected: N
Prep Batch: 320-13968	Prep Date: 04/10/2013 0801						

General Chemistry

Client Sample ID: **079SS-0054M-0001-SO**

Lab Sample ID: 240-22488-24 Date Sampled: 03/25/2013 1508

Client Matrix: Solid Date Received: 03/26/2013 1816

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80250	Analysis Date: 04/02/2013 1105						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-80302/5		91	99	99	97
MRL 240-80302/31		91	103	98	92
MRL 240-80388/5		91	96	99	94
MRL 240-80388/32		90	100	93	92

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: 240-22488-1

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
240-22488-5	079SB-0130M-0001-SO	91	107	101	98
240-22488-7	079SB-0132M-0001-SO	84	97	94	94
240-22488-11	079SB-0136M-0001-SO	84	102	92	88
240-22488-18	079SB-0144M-0001-SO	63	76	71Q	58Q
240-22488-23	079SS-0053M-0001-SO	89	110	114	124Q
MB 240-80302/7		90	103	98	97
MB 240-80388/7		87	97	94	92
LCS 240-80302/6		87	89	86	85
LCS 240-80388/6		99	100	98	98

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: 240-22488-1

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: 240-22488-1

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
240-22488-25	TRIP BLANK	95	93	87	77
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: 240-22488-1

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
240-22488-5	079SB-0130M-0001-SO	64	68	57	62	65	52
240-22488-7	079SB-0132M-0001-SO	62M	65	54	60	64	54
240-22488-11	079SB-0136M-0001-SO	62	64	55	58	67M	54
240-22488-18	079SB-0144M-0001-SO	56	57	53	59	64	54
240-22488-23	079SS-0053M-0001-SO	57	64	48	58	67	55
MB 240-80589/12-A		69	75	63	67	44	57
LCS 240-80589/13-A		68	70	61	65	39	57
240-22488-23 MS	079SS-0053M-0001-SO MS	63	67	56	65	69	55
240-22488-23 MSD	079SS-0053M-0001-SO MSD	66	69	58	63	70	55

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: 240-22488-1

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 240-81882/3		103	101Q	96	101	96	98
MRL 240-81882/23		100	98	92	100	93	97

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: 240-22488-1

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
240-22488-5	079SB-0130M-0001-SO	80	101	80	68
240-22488-7	079SB-0132M-0001-SO	91	97	64	72
240-22488-11	079SB-0136M-0001-SO	82	87	73	68
240-22488-18	079SB-0144M-0001-SO	88	90	73	77
240-22488-23	079SS-0053M-0001-SO	75	92	85	67
MB 240-80550/10-A		73	90	73	74
LCS 240-80550/11-A		79	93	76	72
240-22488-23 MS	079SS-0053M-0001-SO MS	80	76	78	71
240-22488-23 MSD	079SS-0053M-0001-SO MSD	74	78	83	83

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-81016/6		98	93	114	117
MRL 240-81016/23		98	92	112	104

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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
240-22488-5	079SB-0130M-0001-SO	106	83	70	79
240-22488-7	079SB-0132M-0001-SO	128	94	80	84
240-22488-11	079SB-0136M-0001-SO	70	63	52Q	60
240-22488-18	079SB-0144M-0001-SO	84	78	67	74
240-22488-23	079SS-0053M-0001-SO	76	68	52Q	69
MB 240-80543/17-A		99	85	79	82
LCS 240-80543/18-A		107	99	86	90
240-22488-23 MS	079SS-0053M-0001-SO MS	69	68	49Q	66
240-22488-23 MSD	079SS-0053M-0001-SO MSD	86	85	61	70

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-80903/10		131	140	110	140Q
MRL 240-80903/24			136		112

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Surrogate Recovery Report

8330B_Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22488-5	079SB-0130M-0001-SO	92	
240-22488-5	079SB-0130M-0001-SO		111
240-22488-7	079SB-0132M-0001-SO	93	
240-22488-7	079SB-0132M-0001-SO		104
240-22488-11	079SB-0136M-0001-SO	92	
240-22488-11	079SB-0136M-0001-SO		730Q
240-22488-18	079SB-0144M-0001-SO	91	
240-22488-18	079SB-0144M-0001-SO		114
240-22488-23	079SS-0053M-0001-SO	91	
240-22488-23	079SS-0053M-0001-SO		106
MB 320-13607/1-A		92	
MB 320-13607/1-A			114M
MB 320-13728/1-A		94	
MB 320-13728/1-A			117M
LCS 320-13607/2-A		93	
LCS 320-13728/2-A		93	
240-22488-5 MS	079SB-0130M-0001-SO MS	93	
240-22488-5 MSD	079SB-0130M-0001-SO MSD	93	

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

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80302

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-80302/7	Analysis Batch:	240-80302	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141707.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/02/2013 1621	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
2-Butanone (MEK)	2.0	U	1.4	20
Acetone	6.3	U	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	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
2-Hexanone	1.0	U	0.63	20
Methylene Chloride	4.91	J	0.67	5.0
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Styrene	0.50	U	0.15	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	61 - 130
Toluene-d8 (Surr)	98	85 - 115
4-Bromofluorobenzene (Surr)	97	85 - 120
Dibromofluoromethane (Surr)	90	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-80302

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80302/5	Analysis Batch:	240-80302	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141705.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/02/2013 1538	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	0.00833	83	70 - 130	J
Acetone	0.0100	0.0129	129	70 - 130	
Benzene	0.00500	0.00449	90	70 - 130	
Bromoform	0.00500	0.00535	107	70 - 130	
Bromomethane	0.00500	0.00550	110	70 - 130	
Carbon disulfide	0.00500	0.00561	112	70 - 130	
Carbon tetrachloride	0.00500	0.00357	71	70 - 130	
Chlorobenzene	0.00500	0.00439	88	70 - 130	
1,1-Dichloroethane	0.00500	0.00432	86	70 - 130	
Chloromethane	0.00500	0.00508	102	70 - 130	
1,2-Dichloroethane	0.00500	0.00457	91	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00382	76	70 - 130	
1,1-Dichloroethene	0.00500	0.00432	86	70 - 130	
Dibromochloromethane	0.00500	0.00576	115	70 - 130	
Bromodichloromethane	0.00500	0.00379	76	70 - 130	
1,2-Dichloropropane	0.00500	0.00461	92	70 - 130	
Ethylbenzene	0.00500	0.00465	93	70 - 130	
2-Hexanone	0.0100	0.00795	80	70 - 130	J
Methylene Chloride	0.00500	0.00939	188	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00813	81	70 - 130	J
Styrene	0.00500	0.00411	82	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00425	85	70 - 130	
Tetrachloroethene	0.00500	0.00465	93	70 - 130	
Toluene	0.00500	0.00461	92	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00363	73	70 - 130	
Chloroform	0.00500	0.00427	85	70 - 130	
Bromochloromethane	0.00500	0.00445	89	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00407	81	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00451	90	70 - 130	
Trichloroethene	0.00500	0.00440	88	70 - 130	
Vinyl chloride	0.00500	0.00487	97	70 - 130	
Xylenes, Total	0.0100	0.00879	88	70 - 130	
Chloroethane	0.00500	0.00507	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	50 - 150
Toluene-d8 (Surr)	99	50 - 150
4-Bromofluorobenzene (Surr)	97	50 - 150
Dibromofluoromethane (Surr)	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80302

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-80302/6	Analysis Batch:	240-80302	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/02/2013 1600	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	99.1	99	30 - 160	
Acetone	100	110	110	20 - 160	
Benzene	50.0	45.2	90	75 - 125	
Bromoform	50.0	40.0	80	55 - 135	
Bromomethane	50.0	43.5	87	30 - 160	
Carbon disulfide	50.0	41.6	83	45 - 160	
Carbon tetrachloride	50.0	46.0	92	65 - 135	
Chlorobenzene	50.0	43.1	86	75 - 125	
1,1-Dichloroethane	50.0	45.1	90	75 - 125	
Chloromethane	50.0	43.2	86	50 - 130	
1,2-Dichloroethane	50.0	45.4	91	70 - 135	
cis-1,3-Dichloropropene	50.0	40.0	80	70 - 125	
1,1-Dichloroethene	50.0	48.5	97	65 - 135	
Dibromochloromethane	50.0	38.8	78	65 - 130	
Bromodichloromethane	50.0	38.4	77	70 - 130	
1,2-Dichloropropane	50.0	45.5	91	70 - 120	
Ethylbenzene	50.0	44.6	89	75 - 125	
2-Hexanone	100	93.4	93	45 - 145	
Methylene Chloride	50.0	47.1	94	55 - 140	
4-Methyl-2-pentanone (MIBK)	100	96.2	96	45 - 145	
Styrene	50.0	45.2	90	75 - 125	
1,1,2,2-Tetrachloroethane	50.0	48.8	98	55 - 130	
Tetrachloroethene	50.0	45.2	90	65 - 140	
Toluene	50.0	44.4	89	70 - 125	
trans-1,3-Dichloropropene	50.0	40.7	81	65 - 125	
Chloroform	50.0	46.0	92	70 - 125	
Bromochloromethane	50.0	46.8	94	70 - 125	
1,1,1-Trichloroethane	50.0	46.8	94	70 - 135	
1,1,2-Trichloroethane	50.0	46.2	92	60 - 125	
Trichloroethene	50.0	43.3	87	75 - 125	
Vinyl chloride	50.0	45.0	90	60 - 125	
Xylenes, Total	150	132	88	75 - 125	
Chloroethane	50.0	46.7	93	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	61 - 130
Toluene-d8 (Surr)	86	85 - 115
4-Bromofluorobenzene (Surr)	85	85 - 120
Dibromofluoromethane (Surr)	87	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-80302

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80302/31	Analysis Batch:	240-80302	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141731.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/03/2013 0112	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	0.00984	98	70 - 130	J
Acetone	0.0100	0.0141	141	70 - 130	^
Benzene	0.00500	0.00560	112	70 - 130	
Bromoform	0.00500	0.00584	117	70 - 130	
Bromomethane	0.00500	0.00628	126	70 - 130	
Carbon disulfide	0.00500	0.00597	119	70 - 130	
Carbon tetrachloride	0.00500	0.00408	82	70 - 130	
Chlorobenzene	0.00500	0.00547	109	70 - 130	
1,1-Dichloroethane	0.00500	0.00532	106	70 - 130	
Chloromethane	0.00500	0.00584	117	70 - 130	
1,2-Dichloroethane	0.00500	0.00574	115	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00425	85	70 - 130	
1,1-Dichloroethene	0.00500	0.00542	108	70 - 130	
Dibromochloromethane	0.00500	0.00612	122	70 - 130	
Bromodichloromethane	0.00500	0.00432	86	70 - 130	
1,2-Dichloropropane	0.00500	0.00551	110	70 - 130	
Ethylbenzene	0.00500	0.00546	109	70 - 130	
2-Hexanone	0.0100	0.00999	100	70 - 130	J
Methylene Chloride	0.00500	0.00791	158	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70 - 130	
Styrene	0.00500	0.00493	99	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00597	119	70 - 130	
Tetrachloroethene	0.00500	0.00565	113	70 - 130	
Toluene	0.00500	0.00542	108	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00388	78	70 - 130	
Chloroform	0.00500	0.00530	106	70 - 130	
Bromochloromethane	0.00500	0.00518	104	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00497	99	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00564	113	70 - 130	
Trichloroethene	0.00500	0.00549	110	70 - 130	
Vinyl chloride	0.00500	0.00587	117	70 - 130	
Xylenes, Total	0.0100	0.0106	106	70 - 130	
Chloroethane	0.00500	0.00708	142	70 - 130	^

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	50 - 150
Toluene-d8 (Surr)	98	50 - 150
4-Bromofluorobenzene (Surr)	92	50 - 150
Dibromofluoromethane (Surr)	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80388

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-80388/7	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141738.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/03/2013 1229	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
2-Butanone (MEK)	2.0	U	1.4	20
Acetone	6.3	U	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	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
2-Hexanone	0.639	J	0.63	20
Methylene Chloride	3.14	J	0.67	5.0
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Styrene	0.50	U	0.15	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	61 - 130
Toluene-d8 (Surr)	94	85 - 115
4-Bromofluorobenzene (Surr)	92	85 - 120
Dibromofluoromethane (Surr)	87	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-80388

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80388/5	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141736.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/03/2013 1146	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	0.00918	92	70 - 130	J
Acetone	0.0100	0.0143	143	70 - 130	^
Benzene	0.00500	0.00530	106	70 - 130	
Bromoform	0.00500	0.00581	116	70 - 130	
Bromomethane	0.00500	0.00633	127	70 - 130	
Carbon disulfide	0.00500	0.00595	119	70 - 130	
Carbon tetrachloride	0.00500	0.00434	87	70 - 130	
Chlorobenzene	0.00500	0.00550	110	70 - 130	
1,1-Dichloroethane	0.00500	0.00504	101	70 - 130	
Chloromethane	0.00500	0.00564	113	70 - 130	
1,2-Dichloroethane	0.00500	0.00516	103	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00417	83	70 - 130	
1,1-Dichloroethene	0.00500	0.00538	108	70 - 130	
Dibromochloromethane	0.00500	0.00633	127	70 - 130	
Bromodichloromethane	0.00500	0.00432	86	70 - 130	
1,2-Dichloropropane	0.00500	0.00528	106	70 - 130	
Ethylbenzene	0.00500	0.00550	110	70 - 130	
2-Hexanone	0.0100	0.00982	98	70 - 130	J
Methylene Chloride	0.00500	0.00760	152	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00912	91	70 - 130	J
Styrene	0.00500	0.00497	99	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00520	104	70 - 130	
Tetrachloroethene	0.00500	0.00552	110	70 - 130	
Toluene	0.00500	0.00527	105	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00405	81	70 - 130	
Chloroform	0.00500	0.00500	100	70 - 130	
Bromochloromethane	0.00500	0.00509	102	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00475	95	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00550	110	70 - 130	
Trichloroethene	0.00500	0.00490	98	70 - 130	
Vinyl chloride	0.00500	0.00571	114	70 - 130	
Xylenes, Total	0.0100	0.0103	103	70 - 130	
Chloroethane	0.00500	0.00660	132	70 - 130	^

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	50 - 150
Toluene-d8 (Surr)	99	50 - 150
4-Bromofluorobenzene (Surr)	94	50 - 150
Dibromofluoromethane (Surr)	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80388

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-80388/6	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141737.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/03/2013 1208	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	101	101	30 - 160	
Acetone	100	109	109	20 - 160	
Benzene	50.0	51.3	103	75 - 125	
Bromoform	50.0	44.2	88	55 - 135	
Bromomethane	50.0	51.1	102	30 - 160	
Carbon disulfide	50.0	45.9	92	45 - 160	
Carbon tetrachloride	50.0	52.1	104	65 - 135	
Chlorobenzene	50.0	49.8	100	75 - 125	
1,1-Dichloroethane	50.0	51.6	103	75 - 125	
Chloromethane	50.0	48.6	97	50 - 130	
1,2-Dichloroethane	50.0	51.0	102	70 - 135	
cis-1,3-Dichloropropene	50.0	46.2	92	70 - 125	
1,1-Dichloroethene	50.0	54.7	109	65 - 135	
Dibromochloromethane	50.0	44.2	88	65 - 130	
Bromodichloromethane	50.0	44.0	88	70 - 130	
1,2-Dichloropropane	50.0	52.1	104	70 - 120	
Ethylbenzene	50.0	51.3	103	75 - 125	
2-Hexanone	100	98.0	98	45 - 145	
Methylene Chloride	50.0	51.0	102	55 - 140	
4-Methyl-2-pentanone (MIBK)	100	100	100	45 - 145	
Styrene	50.0	52.2	104	75 - 125	
1,1,2,2-Tetrachloroethane	50.0	54.4	109	55 - 130	
Tetrachloroethene	50.0	52.4	105	65 - 140	
Toluene	50.0	50.9	102	70 - 125	
trans-1,3-Dichloropropene	50.0	46.6	93	65 - 125	
Chloroform	50.0	52.7	105	70 - 125	
Bromochloromethane	50.0	52.0	104	70 - 125	
1,1,1-Trichloroethane	50.0	53.9	108	70 - 135	
1,1,2-Trichloroethane	50.0	51.5	103	60 - 125	
Trichloroethene	50.0	49.2	98	75 - 125	
Vinyl chloride	50.0	51.1	102	60 - 125	
Xylenes, Total	150	155	104	75 - 125	
Chloroethane	50.0	56.1	112	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	61 - 130
Toluene-d8 (Surr)	98	85 - 115
4-Bromofluorobenzene (Surr)	98	85 - 120
Dibromofluoromethane (Surr)	99	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-80388

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80388/32	Analysis Batch:	240-80388	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141763.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/03/2013 2141	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	0.0124	124	70 - 130	
Acetone	0.0100	0.0145	145	70 - 130	^
Benzene	0.00500	0.00508	102	70 - 130	
Bromoform	0.00500	0.00575	115	70 - 130	
Bromomethane	0.00500	0.00556	111	70 - 130	
Carbon disulfide	0.00500	0.00568	114	70 - 130	
Carbon tetrachloride	0.00500	0.00356	71	70 - 130	
Chlorobenzene	0.00500	0.00519	104	70 - 130	
1,1-Dichloroethane	0.00500	0.00474	95	70 - 130	
Chloromethane	0.00500	0.00495	99	70 - 130	
1,2-Dichloroethane	0.00500	0.00522	104	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00398	80	70 - 130	
1,1-Dichloroethene	0.00500	0.00444	89	70 - 130	
Dibromochloromethane	0.00500	0.00620	124	70 - 130	
Bromodichloromethane	0.00500	0.00403	81	70 - 130	
1,2-Dichloropropane	0.00500	0.00513	103	70 - 130	
Ethylbenzene	0.00500	0.00503	101	70 - 130	
2-Hexanone	0.0100	0.0101	101	70 - 130	
Methylene Chloride	0.00500	0.00671	134	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.0103	103	70 - 130	
Styrene	0.00500	0.00456	91	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00558	112	70 - 130	
Tetrachloroethene	0.00500	0.00490	98	70 - 130	
Toluene	0.00500	0.00494	99	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00383	77	70 - 130	
Chloroform	0.00500	0.00496	99	70 - 130	
Bromochloromethane	0.00500	0.00474	95	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00407	81	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00574	115	70 - 130	
Trichloroethene	0.00500	0.00500	100	70 - 130	
Vinyl chloride	0.00500	0.00528	106	70 - 130	
Xylenes, Total	0.0100	0.00944	94	70 - 130	
Chloroethane	0.00500	0.00608	122	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	50 - 150
Toluene-d8 (Surr)	93	50 - 150
4-Bromofluorobenzene (Surr)	92	50 - 150
Dibromofluoromethane (Surr)	90	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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: 240-22488-1

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: 240-22488-1

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: 240-22488-1

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: 240-22488-1

Method Blank - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-80589/12-A	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1044	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			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	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
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	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
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	50
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: 240-22488-1

Method Blank - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-80589/12-A	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1044	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			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)	67	45 - 105
2-Fluorophenol (Surr)	69	35 - 105
Nitrobenzene-d5 (Surr)	63	35 - 100
Phenol-d5 (Surr)	75	40 - 100
Terphenyl-d14 (Surr)	57	30 - 125
2,4,6-Tribromophenol (Surr)	44	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-80589/13-A	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1104	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	462	69	45 - 110	
Acenaphthylene	667	463	69	45 - 105	
Anthracene	667	475	71	55 - 105	
Benzo[a]anthracene	667	494	74	50 - 110	
Benzo[a]pyrene	667	442	66	50 - 110	
Benzo[b]fluoranthene	667	465	70	45 - 115	
Benzo[g,h,i]perylene	667	482	72	40 - 125	
Benzoic acid	667	330	6	0 - 110	U
Benzo[k]fluoranthene	667	462	69	45 - 125	
Benzyl alcohol	667	349	52	20 - 125	M
Bis(2-chloroethoxy)methane	667	469	70	45 - 110	
Bis(2-chloroethyl)ether	667	458	69	40 - 105	
bis (2-chloroisopropyl) ether	667	475	71	20 - 115	
Bis(2-ethylhexyl) phthalate	667	522	78	45 - 125	
4-Bromophenyl phenyl ether	667	473	71	45 - 115	
Butyl benzyl phthalate	667	494	74	50 - 125	
Carbazole	667	467	70	45 - 115	
4-Chloroaniline	667	309	46	10 - 110	
4-Chloro-3-methylphenol	667	492	74	45 - 115	
2-Chloronaphthalene	667	450	67	45 - 105	
2-Chlorophenol	667	488	73	45 - 105	
4-Chlorophenyl phenyl ether	667	478	72	45 - 110	
Chrysene	667	479	72	55 - 110	
Dibenz(a,h)anthracene	667	495	74	40 - 125	
Dibenzofuran	667	469	70	50 - 105	
1,2-Dichlorobenzene	667	445	67	45 - 110	
1,3-Dichlorobenzene	667	439	66	40 - 100	
1,4-Dichlorobenzene	667	447	67	35 - 105	
3,3'-Dichlorobenzidine	667	283	42	10 - 130	
2,4-Dichlorophenol	667	463	70	45 - 110	
Diethyl phthalate	667	501	75	50 - 115	
2,4-Dimethylphenol	667	346	52	30 - 105	
Dimethyl phthalate	667	487	73	50 - 110	
Di-n-butyl phthalate	667	484	73	55 - 110	
4,6-Dinitro-2-methylphenol	667	467	70	30 - 135	
2,4-Dinitrophenol	667	394	59	15 - 130	
2,4-Dinitrotoluene	667	515	77	50 - 115	
2,6-Dinitrotoluene	667	493	74	50 - 110	
Di-n-octyl phthalate	667	492	74	40 - 130	
Fluoranthene	667	477	72	55 - 115	
Fluorene	667	473	71	50 - 110	
Hexachlorobenzene	667	458	69	45 - 120	
Hexachlorobutadiene	667	448	67	40 - 115	
Hexachloroethane	667	439	66	35 - 110	
Indeno[1,2,3-cd]pyrene	667	479	72	40 - 120	
Isophorone	667	457	69	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-80589/13-A	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/15/2013 1104	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	454	68	45 - 105	
2-Methylphenol	667	544	82	40 - 105	
3 & 4 Methylphenol	1330	926	69	40 - 105	
Naphthalene	667	453	68	40 - 105	
2-Nitroaniline	667	508	76	45 - 120	
3-Nitroaniline	667	426	64	25 - 110	
4-Nitroaniline	667	474	71	35 - 115	
Nitrobenzene	667	462	69	40 - 115	
2-Nitrophenol	667	482	72	40 - 110	
4-Nitrophenol	667	408	61	15 - 140	
N-Nitrosodi-n-propylamine	667	445	67	40 - 115	
N-Nitrosodiphenylamine	667	494	74	50 - 115	
Pentachlorophenol	667	233	35	25 - 120	
Phenanthrene	667	470	70	50 - 110	
Phenol	667	501	75	40 - 100	
Pyrene	667	484	73	45 - 125	
1,2,4-Trichlorobenzene	667	450	68	45 - 110	
2,4,5-Trichlorophenol	667	420	63	50 - 110	
2,4,6-Trichlorophenol	667	306	46	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	45 - 105
2-Fluorophenol (Surr)	68	35 - 105
Nitrobenzene-d5 (Surr)	61	35 - 100
Phenol-d5 (Surr)	70	40 - 100
Terphenyl-d14 (Surr)	57	30 - 125
2,4,6-Tribromophenol (Surr)	39	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415015.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.41 g
Analysis Date:	04/15/2013 1422			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

MSD Lab Sample ID:	240-22488-23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415016.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.79 g
Analysis Date:	04/15/2013 1442			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	69	69	45 - 110	2	30		
Acenaphthylene	68	68	45 - 105	2	30		
Anthracene	66	68	55 - 105	6	30		
Benzo[a]anthracene	68	72	50 - 110	6	30		
Benzo[a]pyrene	63	63	50 - 110	3	30		
Benzo[b]fluoranthene	67	65	45 - 115	1	30		
Benzo[g,h,i]perylene	69	71	40 - 125	4	30		
Benzoic acid	0	0	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	66	69	45 - 125	6	30		
Benzyl alcohol	53	62	20 - 125	17	30		
Bis(2-chloroethoxy)methane	68	70	45 - 110	5	30		
Bis(2-chloroethyl)ether	59	66	40 - 105	13	30		
bis (2-chloroisopropyl) ether	62	67	20 - 115	10	30		
Bis(2-ethylhexyl) phthalate	69	79	45 - 125	15	30		
4-Bromophenyl phenyl ether	74	69	45 - 115	5	30		
Butyl benzyl phthalate	68	70	50 - 125	4	30		
Carbazole	65	68	45 - 115	7	30		
4-Chloroaniline	11	19	10 - 95	56	30	J	J
4-Chloro-3-methylphenol	73	78	45 - 115	8	30		
2-Chloronaphthalene	66	66	45 - 105	2	30		
2-Chlorophenol	69	73	45 - 105	9	30		
4-Chlorophenyl phenyl ether	71	75	45 - 110	7	30		
Chrysene	71	71	55 - 110	2	30		
Dibenz(a,h)anthracene	71	74	40 - 125	6	30		
Dibenzofuran	71	70	50 - 105	1	30		
1,2-Dichlorobenzene	58	65	45 - 95	13	30		
1,3-Dichlorobenzene	57	63	40 - 100	13	30		
1,4-Dichlorobenzene	58	64	35 - 105	11	30		
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
2,4-Dichlorophenol	74	74	45 - 110	3	30		
Diethyl phthalate	74	78	50 - 115	8	30		
2,4-Dimethylphenol	41	25	30 - 105	46	30		J
Dimethyl phthalate	71	75	50 - 110	7	30		

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415015.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.41 g
Analysis Date:	04/15/2013 1422			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

MSD Lab Sample ID:	240-22488-23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-80589	Lab File ID:	30415016.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.79 g
Analysis Date:	04/15/2013 1442			Final Weight/Volume:	2 mL
Prep Date:	04/04/2013 1052			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	70	74	55 - 110	8	30		
4,6-Dinitro-2-methylphenol	58	48	30 - 135	16	30		
2,4-Dinitrophenol	50	42	15 - 130	15	30	J	J
2,4-Dinitrotoluene	73	78	50 - 115	8	30		
2,6-Dinitrotoluene	72	76	50 - 110	7	30		
Di-n-octyl phthalate	69	73	40 - 130	8	30		
Fluoranthene	69	74	55 - 115	8	30		
Fluorene	72	74	50 - 110	4	30		
Hexachlorobenzene	69	66	45 - 120	1	30		
Hexachlorobutadiene	61	68	40 - 115	13	30		
Hexachloroethane	55	63	35 - 110	16	30		
Indeno[1,2,3-cd]pyrene	68	70	40 - 120	5	30		
Isophorone	66	69	45 - 110	6	30		
2-Methylnaphthalene	67	69	45 - 105	5	30		
2-Methylphenol	80	70	40 - 105	12	30		
3 & 4 Methylphenol	66	68	40 - 105	5	30		
Naphthalene	63	67	40 - 105	7	30		
2-Nitroaniline	73	74	45 - 120	3	30		
3-Nitroaniline	32	44	25 - 110	34	30		J
4-Nitroaniline	35	49	35 - 115	35	30		J
Nitrobenzene	64	66	40 - 115	6	30		
2-Nitrophenol	70	70	40 - 110	1	30		
4-Nitrophenol	74	84	15 - 140	14	30		
N-Nitrosodi-n-propylamine	64	67	40 - 115	8	30		
N-Nitrosodiphenylamine	68	65	50 - 115	2	30		
Pentachlorophenol	79	82	25 - 120	6	30		
Phenanthrene	69	69	50 - 110	2	30		
Phenol	74	78	40 - 100	6	30		
Pyrene	70	69	45 - 125	1	30		
1,2,4-Trichlorobenzene	62	67	45 - 110	8	30		
2,4,5-Trichlorophenol	77	80	50 - 110	6	30		
2,4,6-Trichlorophenol	70	70	45 - 110	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	63	45 - 105
2-Fluorophenol (Surr)	63	66	35 - 105
Nitrobenzene-d5 (Surr)	56	58	35 - 100
Phenol-d5 (Surr)	67	69	40 - 100
Terphenyl-d14 (Surr)	55	55	30 - 125
2,4,6-Tribromophenol (Surr)	69	70	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Units:	ug/Kg	MSD Lab Sample ID:	240-22488-23
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/15/2013 1422			Analysis Date:	04/15/2013 1442
Prep Date:	04/04/2013 1052			Prep Date:	04/04/2013 1052
Leach Date:	03/27/2013 1100			Leach Date:	03/27/2013 1100

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	3.3	U	658	671	453		464	
Acenaphthylene	3.3	U	658	671	447		457	
Anthracene	3.3	U	658	671	434		459	
Benzo[a]anthracene	15		658	671	466		496	
Benzo[a]pyrene	16		658	671	430		442	
Benzo[b]fluoranthene	28		658	671	468		463	
Benzo[g,h,i]perylene	13		658	671	469		487	
Benzoic acid	330	U	658	671	330	U	340	U
Benzo[k]fluoranthene	9.6		658	671	446		474	
Benzyl alcohol	27	U	658	671	351		415	
Bis(2-chloroethoxy)methane	27	U	658	671	444		468	
Bis(2-chloroethyl)ether	3.3	U	658	671	389		443	
bis (2-chloroisopropyl) ether	27	U	658	671	406		449	
Bis(2-ethylhexyl) phthalate	27	J	658	671	481		556	
4-Bromophenyl phenyl ether	27	U	658	671	485		464	
Butyl benzyl phthalate	21	J	658	671	469		488	
Carbazole	27	U	658	671	429		459	
4-Chloroaniline	27	U	658	671	73.6	J	130	J
4-Chloro-3-methylphenol	27	U	658	671	480		522	
2-Chloronaphthalene	3.3	U	658	671	435		442	
2-Chlorophenol	27	U	658	671	451		492	
4-Chlorophenyl phenyl ether	27	U	658	671	470		503	
Chrysene	23		658	671	491		499	
Dibenz(a,h)anthracene	3.3	U	658	671	468		498	
Dibenzofuran	3.3	U	658	671	468		471	
1,2-Dichlorobenzene	27	U	658	671	383		437	
1,3-Dichlorobenzene	27	U	658	671	373		423	
1,4-Dichlorobenzene	27	U	658	671	382		427	
3,3'-Dichlorobenzidine	80	U	658	671	79	U J	81	U J
2,4-Dichlorophenol	27	U	658	671	484		497	
Diethyl phthalate	27	U	658	671	483		525	
2,4-Dimethylphenol	80	U	658	671	271		169	J
Dimethyl phthalate	27	U	658	671	467		503	
Di-n-butyl phthalate	27	U	658	671	459		497	
4,6-Dinitro-2-methylphenol	80	U	658	671	383		324	
2,4-Dinitrophenol	80	U	658	671	328	J	282	J
2,4-Dinitrotoluene	27	U	658	671	482		522	
2,6-Dinitrotoluene	27	U	658	671	476		512	
Di-n-octyl phthalate	27	U	658	671	456		491	
Fluoranthene	31		658	671	484		525	
Fluorene	3.3	U	658	671	475		494	
Hexachlorobenzene	3.3	U	658	671	452		446	
Hexachlorobutadiene	27	U	658	671	401		458	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80589

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Units:	ug/Kg	MSD Lab Sample ID:	240-22488-23
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/15/2013 1422			Analysis Date:	04/15/2013 1442
Prep Date:	04/04/2013 1052			Prep Date:	04/04/2013 1052
Leach Date:	03/27/2013 1100			Leach Date:	03/27/2013 1100

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Hexachloroethane	27	U	658	671	360	422	
Indeno[1,2,3-cd]pyrene	12		658	671	460	484	
Isophorone	27	U	658	671	437	463	
2-Methylnaphthalene	8.6		658	671	449	473	
2-Methylphenol	80	U	658	671	526	467	
3 & 4 Methylphenol	80	U	1320	1340	874	919	
Naphthalene	9.2		658	671	426	457	
2-Nitroaniline	27	U	658	671	482	499	
3-Nitroaniline	80	U	658	671	211	298	J
4-Nitroaniline	27	U	658	671	228	326	J
Nitrobenzene	3.3	U	658	671	420	445	
2-Nitrophenol	27	U	658	671	463	469	
4-Nitrophenol	80	U	658	671	486	561	
N-Nitrosodi-n-propylamine	27	U	658	671	418	451	
N-Nitrosodiphenylamine	27	U	658	671	448	438	
Pentachlorophenol	80	U	658	671	522	553	
Phenanthrene	16		658	671	469	480	
Phenol	27	U	658	671	490	522	
Pyrene	26		658	671	487	491	
1,2,4-Trichlorobenzene	27	U	658	671	410	446	
2,4,5-Trichlorophenol	27	U	658	671	506	539	
2,4,6-Trichlorophenol	80	U	658	671	461	468	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81882/3	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30415003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1022	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	4.97	99	70 - 130	
Acenaphthylene	5.00	5.00	100	70 - 130	
Anthracene	5.00	5.00	100	70 - 130	
Benzo[a]anthracene	5.00	4.91	98	70 - 130	
Benzo[a]pyrene	5.00	4.96	99	70 - 130	
Benzo[b]fluoranthene	5.00	5.26	105	70 - 130	
Benzo[g,h,i]perylene	5.00	5.01	100	70 - 130	
Benzoic acid	10.0	9.08	91	70 - 130	M
Benzo[k]fluoranthene	5.00	4.52	90	70 - 130	
Benzyl alcohol	5.00	4.19	84	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.07	101	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.96	99	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.84	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.08	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.15	103	70 - 130	
Butyl benzyl phthalate	5.00	5.03	101	70 - 130	
Carbazole	5.00	5.04	101	70 - 130	
4-Chloroaniline	5.00	5.01	100	70 - 130	
4-Chloro-3-methylphenol	5.00	5.06	101	70 - 130	
2-Chloronaphthalene	5.00	4.96	99	70 - 130	
2-Chlorophenol	5.00	5.09	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.95	99	70 - 130	
Chrysene	5.00	4.81	96	70 - 130	
Dibenz(a,h)anthracene	5.00	4.98	100	70 - 130	
Dibenzofuran	5.00	4.94	99	70 - 130	
1,2-Dichlorobenzene	5.00	4.97	99	70 - 130	
1,3-Dichlorobenzene	5.00	5.02	100	70 - 130	
1,4-Dichlorobenzene	5.00	4.98	100	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.3	103	70 - 130	
2,4-Dichlorophenol	5.00	5.18	104	70 - 130	
Diethyl phthalate	5.00	5.04	101	70 - 130	
2,4-Dimethylphenol	5.00	5.14	103	70 - 130	
Dimethyl phthalate	5.00	4.92	98	70 - 130	
Di-n-butyl phthalate	5.00	4.95	99	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	10.0	100	70 - 130	
2,4-Dinitrophenol	10.0	9.33	93	70 - 130	
2,4-Dinitrotoluene	5.00	5.18	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.09	102	70 - 130	
Di-n-octyl phthalate	5.00	5.00	100	70 - 130	
Fluoranthene	5.00	5.00	100	70 - 130	
Fluorene	5.00	4.87	97	70 - 130	
Hexachlorobenzene	5.00	4.86	97	70 - 130	
Hexachlorobutadiene	5.00	5.09	102	70 - 130	
Hexachloroethane	5.00	4.86	97	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.04	101	70 - 130	
Isophorone	5.00	5.07	101	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81882/3	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30415003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1022	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	5.02	100	70 - 130	
2-Methylphenol	5.00	5.72	114	70 - 130	
3 & 4 Methylphenol	5.00	5.02	100	70 - 130	
Naphthalene	5.00	4.84	97	70 - 130	
2-Nitroaniline	5.00	5.05	101	70 - 130	
3-Nitroaniline	5.00	4.98	100	70 - 130	
4-Nitroaniline	5.00	5.12	102	70 - 130	
Nitrobenzene	5.00	5.05	101	70 - 130	
2-Nitrophenol	5.00	5.35	107	70 - 130	
4-Nitrophenol	10.0	9.62	96	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.01	100	70 - 130	
N-Nitrosodiphenylamine	10.0	9.95	99	70 - 130	
Pentachlorophenol	10.0	8.05	80	70 - 130	
Phenanthrene	5.00	4.95	99	70 - 130	
Phenol	5.00	5.24	105	70 - 130	
Pyrene	5.00	5.00	100	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70 - 130	
2,4,5-Trichlorophenol	5.00	5.18	104	70 - 130	
2,4,6-Trichlorophenol	5.00	4.91	98	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	101		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	96		50 - 150
Phenol-d5 (Surr)	101	Q	50 - 150
Terphenyl-d14 (Surr)	98		50 - 150
2,4,6-Tribromophenol (Surr)	96		50 - 150

Method Reporting Limit Check - Batch: 240-81882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81882/23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30415023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1701	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	4.98	100	70 - 130	
Acenaphthylene	5.00	4.86	97	70 - 130	
Anthracene	5.00	4.99	100	70 - 130	
Benzo[a]anthracene	5.00	4.80	96	70 - 130	
Benzo[a]pyrene	5.00	4.87	97	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81882/23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30415023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1701	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	4.93	99	70 - 130	
Benzoic acid	10.0	7.32	73	70 - 130	M
Benzo[k]fluoranthene	5.00	4.71	94	70 - 130	
Benzyl alcohol	5.00	3.83	77	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.88	98	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.59	92	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.95	99	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.05	101	70 - 130	
Butyl benzyl phthalate	5.00	4.90	98	70 - 130	
Carbazole	5.00	4.99	100	70 - 130	
4-Chloroaniline	5.00	4.70	94	70 - 130	
4-Chloro-3-methylphenol	5.00	5.03	101	70 - 130	
2-Chloronaphthalene	5.00	4.85	97	70 - 130	
2-Chlorophenol	5.00	4.76	95	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.06	101	70 - 130	
Chrysene	5.00	4.84	97	70 - 130	
Dibenz(a,h)anthracene	5.00	5.00	100	70 - 130	
Dibenzofuran	5.00	4.79	96	70 - 130	
1,2-Dichlorobenzene	5.00	4.92	98	70 - 130	
1,3-Dichlorobenzene	5.00	4.96	99	70 - 130	
1,4-Dichlorobenzene	5.00	4.95	99	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.4	104	70 - 130	
2,4-Dichlorophenol	5.00	4.93	99	70 - 130	
Diethyl phthalate	5.00	5.03	101	70 - 130	
2,4-Dimethylphenol	5.00	4.98	100	70 - 130	
Dimethyl phthalate	5.00	4.84	97	70 - 130	
Di-n-butyl phthalate	5.00	4.99	100	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	7.26	73	70 - 130	
2,4-Dinitrophenol	10.0	5.00	50	70 - 130	^
2,4-Dinitrotoluene	5.00	5.03	101	70 - 130	
2,6-Dinitrotoluene	5.00	4.87	97	70 - 130	
Di-n-octyl phthalate	5.00	4.89	98	70 - 130	
Fluoranthene	5.00	4.97	99	70 - 130	
Fluorene	5.00	5.00	100	70 - 130	
Hexachlorobenzene	5.00	5.12	102	70 - 130	
Hexachlorobutadiene	5.00	5.24	105	70 - 130	
Hexachloroethane	5.00	4.71	94	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.93	99	70 - 130	
Isophorone	5.00	4.83	97	70 - 130	
2-Methylnaphthalene	5.00	5.00	100	70 - 130	
2-Methylphenol	5.00	5.66	113	70 - 130	
3 & 4 Methylphenol	5.00	4.73	95	70 - 130	
Naphthalene	5.00	4.96	99	70 - 130	
2-Nitroaniline	5.00	4.98	100	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81882 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-81882/23	Analysis Batch:	240-81882	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30415023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/15/2013 1701	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	5.04	101	70 - 130	
4-Nitroaniline	5.00	5.04	101	70 - 130	
Nitrobenzene	5.00	4.88	98	70 - 130	
2-Nitrophenol	5.00	4.80	96	70 - 130	
4-Nitrophenol	10.0	7.89	79	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.64	93	70 - 130	
N-Nitrosodiphenylamine	10.0	10.4	104	70 - 130	
Pentachlorophenol	10.0	5.17	52	70 - 130	^
Phenanthrene	5.00	4.82	96	70 - 130	
Phenol	5.00	5.01	100	70 - 130	
Pyrene	5.00	4.83	97	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70 - 130	
2,4,5-Trichlorophenol	5.00	5.06	101	70 - 130	
2,4,6-Trichlorophenol	5.00	4.57	91	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	100	50 - 150
2-Fluorophenol (Surr)	100	50 - 150
Nitrobenzene-d5 (Surr)	92	50 - 150
Phenol-d5 (Surr)	98	50 - 150
Terphenyl-d14 (Surr)	97	50 - 150
2,4,6-Tribromophenol (Surr)	93	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80550

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-80550/10-A	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-80550	Lab File ID:	P3040820.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/08/2013 1915	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0942			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	73	55 - 130
Tetrachloro-m-xylene	73	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	74	55 - 130
Tetrachloro-m-xylene	90	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80550

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-80550/11-A	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-80550	Lab File ID:	P3040821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/08/2013 1935	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0942			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	29.7	89	30 - 135	
4,4'-DDE	33.3	25.8	77	70 - 125	
4,4'-DDT	33.3	29.7	89	45 - 140	
Aldrin	33.3	21.8	65	45 - 140	
alpha-BHC	33.3	27.9	84	60 - 125	
alpha-Chlordane	33.3	26.3	79	65 - 120	
beta-BHC	33.3	26.3	79	60 - 125	
delta-BHC	33.3	28.0	84	55 - 130	
Dieldrin	33.3	27.7	83	65 - 125	
Endosulfan I	33.3	18.6	56	15 - 135	
Endosulfan II	33.3	24.1	72	35 - 140	
Endosulfan sulfate	33.3	26.7	80	60 - 135	
Endrin	33.3	28.7	86	60 - 135	
Endrin aldehyde	33.3	26.4	79	35 - 145	
Endrin ketone	33.3	26.5	80	65 - 135	
gamma-BHC (Lindane)	33.3	28.1	84	60 - 125	
gamma-Chlordane	33.3	28.4	85	65 - 125	
Heptachlor	33.3	30.0	90	50 - 140	
Heptachlor epoxide	33.3	28.1	84	65 - 130	
Methoxychlor	33.3	29.2	88	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	76	55 - 130
Tetrachloro-m-xylene	79	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	55 - 130
Tetrachloro-m-xylene	93	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80550

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-80550	Lab File ID:	P3040818.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.75 g
Analysis Date:	04/08/2013 1835			Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0942			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22488-23	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-80550	Lab File ID:	P3040819.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	29.80 g
Analysis Date:	04/08/2013 1855			Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0942			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	83	86	30 - 135	2	30		
4,4'-DDE	76	76	70 - 125	0	30		
4,4'-DDT	87	86	45 - 140	1	30		
Aldrin	66	65	45 - 140	2	30		
alpha-BHC	82	81	60 - 125	1	30		
alpha-Chlordane	72	72	65 - 120	0	30		
beta-BHC	79	78	60 - 125	1	30		
delta-BHC	82	81	55 - 130	0	30		
Dieldrin	81	81	65 - 125	0	30		
Endosulfan I	54	55	15 - 135	0	30		
Endosulfan II	70	71	35 - 140	2	30		
Endosulfan sulfate	79	79	60 - 135	1	30		
Endrin	86	86	60 - 135	0	30		
Endrin aldehyde	75	75	35 - 145	0	30		
Endrin ketone	77	78	65 - 135	2	30		
gamma-BHC (Lindane)	83	81	60 - 125	2	30		
gamma-Chlordane	82	83	65 - 125	1	30		
Heptachlor	90	85	50 - 140	5	30		
Heptachlor epoxide	82	82	65 - 130	0	30		
Methoxychlor	84	83	55 - 145	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	78	83	55 - 130
Tetrachloro-m-xylene	80	74	70 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	83	55 - 130
Tetrachloro-m-xylene	76	78	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80550

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Units:	ug/Kg	MSD Lab Sample ID:	240-22488-23
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/08/2013 1835			Analysis Date:	04/08/2013 1855
Prep Date:	04/04/2013 0942			Prep Date:	04/04/2013 0942
Leach Date:	03/27/2013 1100			Leach Date:	03/27/2013 1100

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.67	U	33.6	33.6	28.0	28.7
4,4'-DDE	0.67	U	33.6	33.6	25.5	25.6
4,4'-DDT	0.67	U	33.6	33.6	29.1	28.9
Aldrin	1.3	U	33.6	33.6	22.3	21.8
alpha-BHC	1.3	U	33.6	33.6	27.5	27.1
alpha-Chlordane	1.3	U	33.6	33.6	24.3	24.3
beta-BHC	1.3	U	33.6	33.6	26.4	26.2
delta-BHC	1.3	U	33.6	33.6	27.4	27.3
Dieldrin	0.67	U	33.6	33.6	27.2	27.2
Endosulfan I	0.67	U	33.6	33.6	18.3	18.3
Endosulfan II	1.3	U	33.6	33.6	23.4	23.8
Endosulfan sulfate	1.3	U	33.6	33.6	26.5	26.4
Endrin	0.67	U	33.6	33.6	28.9	28.9
Endrin aldehyde	1.3	U	33.6	33.6	25.3	25.3
Endrin ketone	0.67	U	33.6	33.6	25.8	26.2
gamma-BHC (Lindane)	1.3	U	33.6	33.6	28.0	27.3
gamma-Chlordane	0.67	U	33.6	33.6	27.6	27.9
Heptachlor	1.3	U	33.6	33.6	30.1	28.5
Heptachlor epoxide	1.3	U	33.6	33.6	27.6	27.5
Methoxychlor	3.3	U	33.6	33.6	28.3	28.0

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/6	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 1433	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	0.00526	105	70 - 130	
4,4'-DDE	0.00500	0.00499	100	70 - 130	J
4,4'-DDT	0.00500	0.00480	96	70 - 130	J
Aldrin	0.00500	0.00497	99	70 - 130	J
alpha-BHC	0.00500	0.00474	95	70 - 130	J
alpha-Chlordane	0.00500	0.00543	109	70 - 130	
beta-BHC	0.00500	0.00563	113	70 - 130	
delta-BHC	0.00500	0.00426	85	70 - 130	J
Dieldrin	0.00500	0.00512	102	70 - 130	
Endosulfan I	0.00500	0.00548	110	70 - 130	
Endosulfan II	0.00500	0.00536	107	70 - 130	
Endosulfan sulfate	0.00500	0.00502	100	70 - 130	
Endrin	0.00500	0.00530	106	70 - 130	
Endrin aldehyde	0.00500	0.00565	113	70 - 130	
Endrin ketone	0.00500	0.00544	109	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00491	98	70 - 130	J
gamma-Chlordane	0.00500	0.00531	106	70 - 130	
Heptachlor	0.00500	0.00547	109	70 - 130	
Heptachlor epoxide	0.00500	0.00542	108	70 - 130	
Methoxychlor	0.00500	0.00560	112	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	114	50 - 150
Tetrachloro-m-xylene	98	50 - 150

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/6	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 1433	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	0.00539	108	70 - 130	
4,4'-DDE	0.00500	0.00484	97	70 - 130	J
4,4'-DDT	0.00500	0.00458	92	70 - 130	J
Aldrin	0.00500	0.00511	102	70 - 130	
alpha-BHC	0.00500	0.00481	96	70 - 130	J
alpha-Chlordane	0.00500	0.00533	107	70 - 130	
beta-BHC	0.00500	0.00592	118	70 - 130	
delta-BHC	0.00500	0.00440	88	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/6	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 1433	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	0.00508	102	70 - 130	
Endosulfan I	0.00500	0.00550	110	70 - 130	
Endosulfan II	0.00500	0.00570	114	70 - 130	
Endosulfan sulfate	0.00500	0.00521	104	70 - 130	
Endrin	0.00500	0.00537	107	70 - 130	
Endrin aldehyde	0.00500	0.00583	117	70 - 130	
Endrin ketone	0.00500	0.00562	112	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00509	102	70 - 130	
gamma-Chlordane	0.00500	0.00544	109	70 - 130	
Heptachlor	0.00500	0.00559	112	70 - 130	
Heptachlor epoxide	0.00500	0.00540	108	70 - 130	
Methoxychlor	0.00500	0.00535	107	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	50 - 150
Tetrachloro-m-xylene	93	50 - 150

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/23	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 2016	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	0.00560	112	70 - 130	
4,4'-DDE	0.00500	0.00488	98	70 - 130	J
4,4'-DDT	0.00500	0.00448	90	70 - 130	J
Aldrin	0.00500	0.00502	100	70 - 130	
alpha-BHC	0.00500	0.00481	96	70 - 130	J
alpha-Chlordane	0.00500	0.00537	107	70 - 130	
beta-BHC	0.00500	0.00569	114	70 - 130	
delta-BHC	0.00500	0.00448	90	70 - 130	J
Dieldrin	0.00500	0.00507	101	70 - 130	
Endosulfan I	0.00500	0.00539	108	70 - 130	
Endosulfan II	0.00500	0.00542	108	70 - 130	
Endosulfan sulfate	0.00500	0.00515	103	70 - 130	
Endrin	0.00500	0.00536	107	70 - 130	
Endrin aldehyde	0.00500	0.00542	108	70 - 130	
Endrin ketone	0.00500	0.00541	108	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00497	99	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/23	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 2016	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	0.00529	106	70 - 130	
Heptachlor	0.00500	0.00534	107	70 - 130	
Heptachlor epoxide	0.00500	0.00546	109	70 - 130	
Methoxychlor	0.00500	0.00566	113	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	112	50 - 150
Tetrachloro-m-xylene	98	50 - 150

Method Reporting Limit Check - Batch: 240-81016

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-81016/23	Analysis Batch:	240-81016	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3040823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 2016	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	0.00581	116	70 - 130	
4,4'-DDE	0.00500	0.00487	97	70 - 130	J
4,4'-DDT	0.00500	0.00463	93	70 - 130	J
Aldrin	0.00500	0.00511	102	70 - 130	
alpha-BHC	0.00500	0.00491	98	70 - 130	J
alpha-Chlordane	0.00500	0.00534	107	70 - 130	
beta-BHC	0.00500	0.00612	122	70 - 130	
delta-BHC	0.00500	0.00471	94	70 - 130	J
Dieldrin	0.00500	0.00512	102	70 - 130	
Endosulfan I	0.00500	0.00554	111	70 - 130	
Endosulfan II	0.00500	0.00583	117	70 - 130	
Endosulfan sulfate	0.00500	0.00551	110	70 - 130	
Endrin	0.00500	0.00546	109	70 - 130	
Endrin aldehyde	0.00500	0.00585	117	70 - 130	
Endrin ketone	0.00500	0.00589	118	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70 - 130	
gamma-Chlordane	0.00500	0.00540	108	70 - 130	
Heptachlor	0.00500	0.00543	109	70 - 130	
Heptachlor epoxide	0.00500	0.00546	109	70 - 130	
Methoxychlor	0.00500	0.00554	111	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	50 - 150
Tetrachloro-m-xylene	92	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80543

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-80543/17-A	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-80543	Lab File ID:	P1200017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/08/2013 1036	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0920			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	85	40 - 140
DCB Decachlorobiphenyl	82	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	40 - 140
DCB Decachlorobiphenyl	79	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 240-80543 **Method: 8082/DOD**
Preparation: 3540C

Lab Sample ID:	LCS 240-80543/18-A	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-80543	Lab File ID:	P1200022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/08/2013 1148	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	325	97	40 - 140	
Aroclor-1260	333	324	97	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	40 - 140
DCB Decachlorobiphenyl	90	60 - 125

Lab Control Sample - Batch: 240-80543 **Method: 8082/DOD**
Preparation: 3540C

Lab Sample ID:	LCS 240-80543/18-A	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-80543	Lab File ID:	P1200022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/08/2013 1148	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	319	96	40 - 140	
Aroclor-1260	333	329	99	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	40 - 140
DCB Decachlorobiphenyl	86	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80543

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-80543	Lab File ID:	P1200020.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.12 g
Analysis Date:	04/08/2013 1119			Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0920			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22488-23	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-80543	Lab File ID:	P1200021.D
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	30.06 g
Analysis Date:	04/08/2013 1134			Final Weight/Volume:	10 mL
Prep Date:	04/04/2013 0920			Injection Volume:	1 uL
Leach Date:	03/27/2013 1100			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	68	84	40 - 140	21	30		
Aroclor-1260	65	81	60 - 130	22	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	68	85	40 - 140
DCB Decachlorobiphenyl	66	70	60 - 125

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	69		86	40 - 140
DCB Decachlorobiphenyl	49	Q	61	60 - 125

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-80543

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22488-23	Units:	ug/Kg	MSD Lab Sample ID:	240-22488-23
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/08/2013 1119			Analysis Date:	04/08/2013 1134
Prep Date:	04/04/2013 0920			Prep Date:	04/04/2013 0920
Leach Date:	03/27/2013 1100			Leach Date:	03/27/2013 1100

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor-1016	25	U	332	333	226	280
Aroclor-1260	25	U	332	333	216	270

Method Reporting Limit Check - Batch: 240-80903 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-80903/10	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 0856	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	0.0606	121	70 - 130	
Aroclor-1260	0.0500	0.0526	105	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	140		50 - 150
DCB Decachlorobiphenyl	140	Q	50 - 150

Method Reporting Limit Check - Batch: 240-80903 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-80903/10	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 0856	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	0.0597	119	70 - 130	
Aroclor-1260	0.0500	0.0513	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	131	50 - 150
DCB Decachlorobiphenyl	110	50 - 150

Method Reporting Limit Check - Batch: 240-80903 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-80903/24	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 1217	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	0.0603	121	70 - 130	
Aroclor-1260	0.0500	0.0540	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	136	50 - 150
DCB Decachlorobiphenyl	112	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Reporting Limit Check - Batch: 240-80903

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-80903/24	Analysis Batch:	240-80903	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/08/2013 1217	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	0.0619	124	70 - 130	
Aroclor-1260	0.0500	0.0524	105	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13711

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-13711/1-A	Analysis Batch:	320-13918	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-13711	Lab File ID:	320-0003783-048-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/10/2013 0612	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Method Blank - Batch: 320-13711

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-13711/1-A	Analysis Batch:	320-14050	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-13711	Lab File ID:	320-0003819-011-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/10/2013 2007	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			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: 320-13711

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-13711/2-A	Analysis Batch:	320-13918	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-13711	Lab File ID:	320-0003783-049-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/10/2013 0630	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	04/05/2013 1115			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	0.902	90	72 - 121	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13607

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13607/1-A	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13607	Lab File ID:	K-000013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/09/2013 0312	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/04/2013 0931			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.050	U	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U M	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	92	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13607

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13607/1-A	Analysis Batch:	320-14569	Instrument ID:	LC12
Client Matrix:	Solid	Prep Batch:	320-13607	Lab File ID:	P000055.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/18/2013 1525	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/04/2013 0931			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.0141	J	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec		Acceptance Limits
3,4-Dinitrotoluene	114	M	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 320-13607

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-13607/2-A	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13607	Lab File ID:	K-000016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/09/2013 0603	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/04/2013 0931			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.500	0.442	88	79 - 119	
4-Amino-2,6-dinitrotoluene	0.500	0.445	89	81 - 121	
1,3-Dinitrobenzene	0.500	0.455	91	81 - 121	
2,4-Dinitrotoluene	0.500	0.456	91	79 - 119	
2,6-Dinitrotoluene	0.500	0.446	89	79 - 119	
HMX	0.500	0.474	95	80 - 120	
Nitrobenzene	0.500	0.453	91	80 - 120	
Nitroglycerin	1.00	0.932	93	76 - 116	
2-Nitrotoluene	0.500	0.492	98	78 - 118	
3-Nitrotoluene	0.500	0.491	98	77 - 117	
4-Nitrotoluene	0.500	0.485	97	78 - 118	
PETN	1.00	0.916	92	76 - 116	
RDX	0.500	0.462	92	82 - 122	
Tetryl	0.500	0.370	74	63 - 120	
1,3,5-Trinitrobenzene	0.500	0.456	91	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.400	80	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	93	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-13607

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22488-5	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13607	Lab File ID:	K-000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.08 g
Analysis Date:	04/09/2013 1243			Final Weight/Volume:	80 mL
Prep Date:	04/04/2013 0931			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22488-5	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13607	Lab File ID:	K-000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.04 g
Analysis Date:	04/09/2013 1340			Final Weight/Volume:	80 mL
Prep Date:	04/04/2013 0931			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Amino-4,6-dinitrotoluene	88	88	79 - 119	0	20		
4-Amino-2,6-dinitrotoluene	85	85	81 - 121	1	20		
1,3-Dinitrobenzene	92	92	81 - 121	1	20		
2,4-Dinitrotoluene	88	88	79 - 119	1	20		
2,6-Dinitrotoluene	90	91	79 - 119	1	20		
HMX	93	93	80 - 120	0	20		
Nitrobenzene	93	93	80 - 120	0	20		
Nitroglycerin	93	90	76 - 116	3	20	M	M
2-Nitrotoluene	99	99	78 - 118	1	20		
3-Nitrotoluene	100	99	77 - 117	0	20		
4-Nitrotoluene	98	98	78 - 118	1	20		
PETN	92	91	76 - 116	1	20		M
RDX	85	84	82 - 122	0	20		
Tetryl	75	75	63 - 120	0	20		
1,3,5-Trinitrobenzene	101	101	81 - 121	0	20		
2,4,6-Trinitrotoluene	81	81	65 - 105	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
3,4-Dinitrotoluene	93	93	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-13607

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22488-5	Units:	mg/Kg	MSD Lab Sample ID:	240-22488-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/09/2013 1243			Analysis Date:	04/09/2013 1340
Prep Date:	04/04/2013 0931			Prep Date:	04/04/2013 0931
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2-Amino-4,6-dinitrotoluene	0.050	U	0.496	0.498	0.435		0.437	
4-Amino-2,6-dinitrotoluene	0.050	U	0.496	0.498	0.421		0.424	
1,3-Dinitrobenzene	0.050	U	0.496	0.498	0.459		0.456	
2,4-Dinitrotoluene	0.027	J	0.496	0.498	0.462		0.465	
2,6-Dinitrotoluene	0.050	U	0.496	0.498	0.449		0.454	
HMX	0.050	U	0.496	0.498	0.460		0.462	
Nitrobenzene	0.050	U	0.496	0.498	0.463		0.464	
Nitroglycerin	0.25	U	0.992	0.996	0.921	M	0.898	M
2-Nitrotoluene	0.050	U	0.496	0.498	0.489		0.493	
3-Nitrotoluene	0.050	U	0.496	0.498	0.495		0.493	
4-Nitrotoluene	0.050	U	0.496	0.498	0.486		0.490	
PETN	0.25	U	0.992	0.996	0.917		0.908	M
RDX	0.050	U	0.496	0.498	0.421		0.419	
Tetryl	0.011	J	0.496	0.498	0.384		0.384	
1,3,5-Trinitrobenzene	0.050	U	0.496	0.498	0.502		0.505	
2,4,6-Trinitrotoluene	0.050	U	0.496	0.498	0.400		0.401	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13728

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13728/1-A	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13728	Lab File ID:	K-000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/08/2013 2032	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/05/2013 1221			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.050	U	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	94	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13728

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-13728/1-A	Analysis Batch:	320-14569	Instrument ID:	LC12
Client Matrix:	Solid	Prep Batch:	320-13728	Lab File ID:	P000052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/18/2013 1207	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/05/2013 1221			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.0123	J	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec		Acceptance Limits
3,4-Dinitrotoluene	117	M	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 320-13728

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-13728/2-A	Analysis Batch:	320-13851	Instrument ID:	LC11
Client Matrix:	Solid	Prep Batch:	320-13728	Lab File ID:	K-000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/08/2013 2129	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/05/2013 1221			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.500	0.443	89	79 - 119	
4-Amino-2,6-dinitrotoluene	0.500	0.445	89	81 - 121	
1,3-Dinitrobenzene	0.500	0.456	91	81 - 121	
2,4-Dinitrotoluene	0.500	0.458	92	79 - 119	
2,6-Dinitrotoluene	0.500	0.448	90	79 - 119	
HMX	0.500	0.471	94	80 - 120	
Nitrobenzene	0.500	0.457	91	80 - 120	
Nitroglycerin	1.00	0.912	91	76 - 116	
2-Nitrotoluene	0.500	0.491	98	78 - 118	
3-Nitrotoluene	0.500	0.486	97	77 - 117	
4-Nitrotoluene	0.500	0.485	97	78 - 118	
PETN	1.00	0.912	91	76 - 116	
RDX	0.500	0.466	93	82 - 122	
Tetryl	0.500	0.372	74	63 - 120	
1,3,5-Trinitrobenzene	0.500	0.460	92	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.400	80	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	93	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-68556/1-A	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.08 g
Analysis Date:	04/29/2013 0447	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.028	U	0.011	0.093
Aluminum	0.714	J	0.26	2.8
Arsenic	0.046	U	0.017	0.093
Barium	0.0112	J Q	0.0099	0.93
Beryllium	0.0093	U	0.0069	0.093
Calcium	1.86	J	1.2	9.3
Cadmium	0.028	U	0.012	0.093
Chromium	0.037	U	0.021	0.19
Cobalt	0.0093	U Q	0.0022	0.046
Copper	0.056	U Q	0.031	0.19
Iron	1.99	J	1.0	4.6
Magnesium	1.9	U	1.0	9.3
Manganese	0.0499	J Q	0.015	0.46
Sodium	4.6	U	2.5	9.3
Nickel	0.028	U	0.010	0.093
Lead	0.028	U Q	0.014	0.093
Antimony	0.093	U	0.043	0.19
Thallium	0.019	U	0.0094	0.093
Vanadium	0.056	U	0.028	0.093
Zinc	0.19	U Q	0.060	0.46
Potassium	5.6	U	2.9	9.3
Selenium	0.093	U	0.047	0.46

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-68556/2-A	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.14 g
Analysis Date:	04/29/2013 0456	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.39	4.11	94	60 - 114	
Aluminum	175	171	98	80 - 120	
Arsenic	3.51	2.98	85	73 - 110	
Barium	175	163	93	70 - 110	Q
Beryllium	4.39	3.77	86	79 - 110	
Calcium	4390	3930	90	80 - 120	
Cadmium	4.39	3.90	89	74 - 110	
Chromium	17.5	16.5	94	70 - 110	
Cobalt	43.9	41.9	95	74 - 110	Q
Copper	21.9	21.6	98	73 - 110	Q
Iron	87.7	103	117	80 - 120	
Magnesium	4390	4010	91	80 - 120	
Manganese	43.9	38.6	88	80 - 120	Q
Sodium	4390	4060	92	80 - 120	
Nickel	43.9	42.6	97	75 - 110	
Lead	1.75	1.60	91	75 - 110	Q
Antimony	43.9	38.0	87	68 - 113	
Thallium	4.39	3.99	91	71 - 110	
Vanadium	43.9	41.2	94	72 - 110	
Zinc	43.9	36.1	82	72 - 113	Q
Potassium	4390	4020	92	80 - 120	
Selenium	0.877	0.741	85	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Matrix Spike - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0643	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.034	J	5.00	4.56	91	75 - 125	
Aluminum	10000		200	15900	2886	70 - 130	4
Arsenic	8.1		4.00	11.9	96	23 - 131	
Barium	65		200	267	101	10 - 199	Q
Beryllium	0.51		5.00	4.97	89	58 - 112	
Calcium	700		5000	5290	92	70 - 130	
Cadmium	0.12		5.00	4.48	87	58 - 110	
Chromium	14		20.0	38.3	120	10 - 199	
Cobalt	8.8		50.0	56.1	95	55 - 110	Q
Copper	15		25.0	37.7	91	10 - 199	Q
Iron	23000		100	25500	2470	70 - 130	4
Magnesium	2200		5000	7270	101	70 - 130	
Manganese	350		50.0	541	374	10 - 199	Q 4
Sodium	38		5000	4830	96	70 - 130	
Nickel	20		50.0	66.4	94	10 - 176	
Lead	11		2.00	15.3	205	10 - 199	Q 4
Antimony	0.13	J	50.0	13.9	28	75 - 125	J
Thallium	0.13		5.00	4.47	87	82 - 110	
Vanadium	17		50.0	71.4	109	39 - 129	
Zinc	44		50.0	86.3	84	10 - 199	Q
Potassium	760		5000	5610	97	70 - 130	
Selenium	0.37	J	1.00	1.04	68	39 - 116	

Post Digestion Spike - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0651	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.034	J	4.95	5.31	107	80 - 120	
Aluminum	10000		198	10100	0	80 - 120	
Arsenic	8.1		3.96	11.7	92	80 - 120	
Barium	65		198	263	100	80 - 120	Q
Beryllium	0.51		4.95	5.30	97	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Post Digestion Spike - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0651	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	700		4950	5640	100	80 - 120	
Cadmium	0.12		4.95	4.99	98	80 - 120	
Chromium	14		19.8	35.4	106	80 - 120	
Cobalt	8.8		49.5	62.0	108	80 - 120	Q
Copper	15		24.8	40.4	103	80 - 120	Q
Iron	23000		99.0	23000	40	80 - 120	
Magnesium	2200		4950	7210	101	80 - 120	
Manganese	350		49.5	406	106	80 - 120	Q
Sodium	38		4950	5230	105	80 - 120	
Nickel	20		49.5	72.0	106	80 - 120	
Lead	11		1.98	13.2	105	80 - 120	Q
Antimony	0.13	J	49.5	45.3	91	80 - 120	
Thallium	0.13		4.95	5.24	103	80 - 120	
Vanadium	17		49.5	70.1	107	80 - 120	
Zinc	44		49.5	88.5	90	80 - 120	Q
Potassium	760		4950	5800	102	80 - 120	
Selenium	0.37	J	0.990	1.27	92	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Serial Dilution - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0626	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.034	J	0.15	NC	10	U
Aluminum	10000		10300	1.6	10	D
Arsenic	8.1		8.38	3.7	10	D
Barium	65		66.1	1.1	10	Q D
Beryllium	0.51		0.591	16	10	V D
Calcium	700		719	3.0	10	D
Cadmium	0.12		0.144	NC	10	J D
Chromium	14		14.3	0.31	10	D
Cobalt	8.8		8.73	0.51	10	Q D
Copper	15		14.6	2.5	10	Q D
Iron	23000		22800	0.69	10	D
Magnesium	2200		2140	4.1	10	D
Manganese	350		317	10	10	Q D
Sodium	38		41.4	NC	10	J D
Nickel	20		20.1	2.7	10	D
Lead	11		10.7	4.3	10	Q D
Antimony	0.13	J	0.50	NC	10	U
Thallium	0.13		0.115	NC	10	J D
Vanadium	17		17.0	0.29	10	D
Zinc	44		48.7	11	10	Q V D
Potassium	760		722	5.3	10	D
Selenium	0.37	J	0.50	NC	10	U

Duplicate - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0635	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.034	J	0.0305	10	20	J
Aluminum	10000		10100	0.01	20	
Arsenic	8.1		8.41	4	20	
Barium	65		66.2	1	20	Q
Beryllium	0.51		0.545	7	20	
Calcium	700		708	1	20	
Cadmium	0.12		0.131	6	20	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Duplicate - Batch: 180-68556

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22488-1	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68556	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.00 g
Analysis Date:	04/29/2013 0635	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1259				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium	14		14.6	2	20	
Cobalt	8.8		8.59	2	20	Q
Copper	15		14.6	3	20	Q
Iron	23000		23600	3	20	
Magnesium	2200		2260	1	20	
Manganese	350		371	5	20	Q
Sodium	38		38.1	0.6	20	
Nickel	20		20.1	3	20	
Lead	11		11.1	0.5	20	Q
Antimony	0.13	J	0.122	5	20	J
Thallium	0.13		0.127	1	20	
Vanadium	17		17.8	5	20	
Zinc	44		43.2	2	20	Q
Potassium	760		767	0.6	20	
Selenium	0.37	J	0.228	46	20	J

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 180-68559

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-68559/1-A	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.04 g
Analysis Date:	04/29/2013 0944	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.029	U	0.011	0.096
Aluminum	0.58	U	0.27	2.9
Arsenic	0.048	U	0.017	0.096
Barium	0.019	U Q	0.010	0.96
Beryllium	0.0096	U	0.0072	0.096
Calcium	2.4	U	1.3	9.6
Cadmium	0.029	U	0.013	0.096
Chromium	0.038	U	0.021	0.19
Cobalt	0.0096	U Q	0.0023	0.048
Copper	0.058	U Q	0.032	0.19
Iron	1.9	U	1.0	4.8
Magnesium	1.9	U	1.0	9.6
Manganese	0.029	U Q	0.015	0.48
Sodium	4.8	U	2.6	9.6
Nickel	0.029	U	0.011	0.096
Lead	0.029	U Q	0.015	0.096
Antimony	0.096	U	0.044	0.19
Thallium	0.019	U	0.0098	0.096
Vanadium	0.058	U	0.029	0.096
Zinc	0.19	U Q	0.062	0.48
Potassium	5.8	U	3.0	9.6
Selenium	0.096	U	0.049	0.48

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Control Sample - Batch: 180-68559

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-68559/2-A	Analysis Batch:	180-70345	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-68559	Lab File ID:	M30428A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	04/29/2013 0952	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2013 1322				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.95	4.57	92	60 - 114	
Aluminum	198	198	100	80 - 120	
Arsenic	3.96	3.37	85	73 - 110	
Barium	198	187	94	70 - 110	Q
Beryllium	4.95	4.47	90	79 - 110	
Calcium	4950	4550	92	80 - 120	
Cadmium	4.95	4.36	88	74 - 110	
Chromium	19.8	19.7	100	70 - 110	
Cobalt	49.5	49.5	100	74 - 110	Q
Copper	24.8	25.3	102	73 - 110	Q
Iron	99.0	96.3	97	80 - 120	
Magnesium	4950	4860	98	80 - 120	
Manganese	49.5	45.7	92	80 - 120	Q
Sodium	4950	4920	99	80 - 120	
Nickel	49.5	50.1	101	75 - 110	
Lead	1.98	1.75	88	75 - 110	Q
Antimony	49.5	42.6	86	68 - 113	
Thallium	4.95	4.39	89	71 - 110	
Vanadium	49.5	49.9	101	72 - 110	
Zinc	49.5	40.9	83	72 - 113	Q
Potassium	4950	4930	100	80 - 120	
Selenium	0.990	0.850	86	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80564

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-80564/1-A	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2013 1145	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-80564

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-80564/2-A	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80564	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2013 1147	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.866	104	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 240-80582

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-80582/1-A	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2013 1336	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-80582

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-80582/2-A	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2013 1338	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.887	106	80 - 120	

Matrix Spike - Batch: 240-80582

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22488-9	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.59 g
Analysis Date:	04/05/2013 1347	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.047	J	0.169	0.222	103	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Duplicate - Batch: 240-80582

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22488-9	Analysis Batch:	240-80828	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-80582	Lab File ID:	040513A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80070	Initial Weight/Volume:	0.59 g
Analysis Date:	04/05/2013 1345	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/04/2013 1405				
Leach Date:	03/27/2013 1100				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.047	J	0.0435	7	20	J

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Duplicate - Batch: 240-80250 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22488-15	Analysis Batch:	240-80250	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:	04/02/2013 1105	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	98	98	0.2	20	
Percent Moisture	2.1	2.3	7	20	

Duplicate - Batch: 240-80250 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22488-16	Analysis Batch:	240-80250	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:	04/02/2013 1105	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	98	98	0.2	20	
Percent Moisture	1.9	1.8	8	20	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Method Blank - Batch: 320-13968

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-13863/1-B	Analysis Batch:	320-14024	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-13968	Lab File ID:	041013A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	04/10/2013 1116	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/10/2013 0801				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.8	U	0.78	5.0

Lab Control Sample - Batch: 320-13968

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-13863/2-B	Analysis Batch:	320-14024	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-13968	Lab File ID:	041013A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	04/10/2013 1118	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/10/2013 0801				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	50.6	37.1	73	34 - 115	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	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.
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	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: 240-22488-1

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	V	Serial Dilution exceeds the control limits
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-80275					
240-22488-5	079SB-0130M-0001-SO	T	Solid	5035	
240-22488-7	079SB-0132M-0001-SO	T	Solid	5035	
240-22488-11	079SB-0136M-0001-SO	T	Solid	5035	
240-22488-18	079SB-0144M-0001-SO	T	Solid	5035	
240-22488-23	079SS-0053M-0001-SO	T	Solid	5035	
Analysis Batch:240-80302					
LCS 240-80302/6	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-80302/7	Method Blank	T	Solid	8260B/DoD	
240-22488-18	079SB-0144M-0001-SO	T	Solid	8260B/DoD	240-80275
Analysis Batch:240-80388					
LCS 240-80388/6	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-80388/7	Method Blank	T	Solid	8260B/DoD	
240-22488-5	079SB-0130M-0001-SO	T	Solid	8260B/DoD	240-80275
240-22488-7	079SB-0132M-0001-SO	T	Solid	8260B/DoD	240-80275
240-22488-11	079SB-0136M-0001-SO	T	Solid	8260B/DoD	240-80275
240-22488-23	079SS-0053M-0001-SO	T	Solid	8260B/DoD	240-80275
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	
240-22488-25TB	TRIP BLANK	T	Water	8260B/DoD	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-80070					
240-22488-5	079SB-0130M-0001-SO	T	Solid	Increment, Prep	
240-22488-7	079SB-0132M-0001-SO	T	Solid	Increment, Prep	
240-22488-11	079SB-0136M-0001-SO	T	Solid	Increment, Prep	
240-22488-18	079SB-0144M-0001-SO	T	Solid	Increment, Prep	
240-22488-23	079SS-0053M-0001-SO	T	Solid	Increment, Prep	
240-22488-23MS	Matrix Spike	T	Solid	Increment, Prep	
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
Prep Batch: 240-80589					
LCS 240-80589/13-A	Lab Control Sample	T	Solid	3540C	
MB 240-80589/12-A	Method Blank	T	Solid	3540C	
240-22488-5	079SB-0130M-0001-SO	T	Solid	3540C	240-80070
240-22488-7	079SB-0132M-0001-SO	T	Solid	3540C	240-80070
240-22488-11	079SB-0136M-0001-SO	T	Solid	3540C	240-80070
240-22488-18	079SB-0144M-0001-SO	T	Solid	3540C	240-80070
240-22488-23	079SS-0053M-0001-SO	T	Solid	3540C	240-80070
240-22488-23MS	Matrix Spike	T	Solid	3540C	240-80070
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	3540C	240-80070
Analysis Batch:240-81882					
LCS 240-80589/13-A	Lab Control Sample	T	Solid	8270C/DoD	240-80589
MB 240-80589/12-A	Method Blank	T	Solid	8270C/DoD	240-80589
240-22488-5	079SB-0130M-0001-SO	T	Solid	8270C/DoD	240-80589
240-22488-7	079SB-0132M-0001-SO	T	Solid	8270C/DoD	240-80589
240-22488-11	079SB-0136M-0001-SO	T	Solid	8270C/DoD	240-80589
240-22488-18	079SB-0144M-0001-SO	T	Solid	8270C/DoD	240-80589
240-22488-23	079SS-0053M-0001-SO	T	Solid	8270C/DoD	240-80589
240-22488-23MS	Matrix Spike	T	Solid	8270C/DoD	240-80589
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-80589

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-80070					
240-22488-5	079SB-0130M-0001-SO	T	Solid	Increment, Prep	
240-22488-7	079SB-0132M-0001-SO	T	Solid	Increment, Prep	
240-22488-11	079SB-0136M-0001-SO	T	Solid	Increment, Prep	
240-22488-18	079SB-0144M-0001-SO	T	Solid	Increment, Prep	
240-22488-23	079SS-0053M-0001-SO	T	Solid	Increment, Prep	
240-22488-23MS	Matrix Spike	T	Solid	Increment, Prep	
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
Prep Batch: 240-80543					
LCS 240-80543/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-80543/17-A	Method Blank	T	Solid	3540C	
240-22488-5	079SB-0130M-0001-SO	T	Solid	3540C	240-80070
240-22488-7	079SB-0132M-0001-SO	T	Solid	3540C	240-80070
240-22488-11	079SB-0136M-0001-SO	T	Solid	3540C	240-80070
240-22488-18	079SB-0144M-0001-SO	T	Solid	3540C	240-80070
240-22488-23	079SS-0053M-0001-SO	T	Solid	3540C	240-80070
240-22488-23MS	Matrix Spike	T	Solid	3540C	240-80070
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	3540C	240-80070
Prep Batch: 240-80550					
LCS 240-80550/11-A	Lab Control Sample	T	Solid	3540C	
MB 240-80550/10-A	Method Blank	T	Solid	3540C	
240-22488-5	079SB-0130M-0001-SO	T	Solid	3540C	240-80070
240-22488-7	079SB-0132M-0001-SO	T	Solid	3540C	240-80070
240-22488-11	079SB-0136M-0001-SO	T	Solid	3540C	240-80070
240-22488-18	079SB-0144M-0001-SO	T	Solid	3540C	240-80070
240-22488-23	079SS-0053M-0001-SO	T	Solid	3540C	240-80070
240-22488-23MS	Matrix Spike	T	Solid	3540C	240-80070
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	3540C	240-80070
Analysis Batch:240-80903					
LCS 240-80543/18-A	Lab Control Sample	T	Solid	8082/DOD	240-80543
MB 240-80543/17-A	Method Blank	T	Solid	8082/DOD	240-80543
240-22488-5	079SB-0130M-0001-SO	T	Solid	8082/DOD	240-80543
240-22488-7	079SB-0132M-0001-SO	T	Solid	8082/DOD	240-80543
240-22488-11	079SB-0136M-0001-SO	T	Solid	8082/DOD	240-80543
240-22488-18	079SB-0144M-0001-SO	T	Solid	8082/DOD	240-80543
240-22488-23	079SS-0053M-0001-SO	T	Solid	8082/DOD	240-80543
240-22488-23MS	Matrix Spike	T	Solid	8082/DOD	240-80543
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	8082/DOD	240-80543

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-81016					
LCS 240-80550/11-A	Lab Control Sample	T	Solid	8081/DOD	240-80550
MB 240-80550/10-A	Method Blank	T	Solid	8081/DOD	240-80550
240-22488-5	079SB-0130M-0001-SO	T	Solid	8081/DOD	240-80550
240-22488-7	079SB-0132M-0001-SO	T	Solid	8081/DOD	240-80550
240-22488-11	079SB-0136M-0001-SO	T	Solid	8081/DOD	240-80550
240-22488-18	079SB-0144M-0001-SO	T	Solid	8081/DOD	240-80550
240-22488-23	079SS-0053M-0001-SO	T	Solid	8081/DOD	240-80550
240-22488-23MS	Matrix Spike	T	Solid	8081/DOD	240-80550
240-22488-23MSD	Matrix Spike Duplicate	T	Solid	8081/DOD	240-80550

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-68556					
LCS 180-68556/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-68556/1-A	Method Blank	T	Solid	3050B	
240-22488-1	079SB-0126M-0001-SO	T	Solid	3050B	
240-22488-1DU	Duplicate	T	Solid	3050B	
240-22488-1MS	Matrix Spike	T	Solid	3050B	
240-22488-2	079SB-0127M-0001-SO	T	Solid	3050B	
240-22488-3	079SB-0128M-0001-SO	T	Solid	3050B	
240-22488-4	079SB-0129M-0001-SO	T	Solid	3050B	
240-22488-5	079SB-0130M-0001-SO	T	Solid	3050B	
240-22488-6	079SB-0131M-0001-SO	T	Solid	3050B	
240-22488-7	079SB-0132M-0001-SO	T	Solid	3050B	
240-22488-8	079SB-0133M-0001-SO	T	Solid	3050B	
240-22488-9	079SB-0134M-0001-SO	T	Solid	3050B	
240-22488-10	079SB-0135M-0001-SO	T	Solid	3050B	
240-22488-11	079SB-0136M-0001-SO	T	Solid	3050B	
240-22488-12	079SB-0137M-0001-SO	T	Solid	3050B	
240-22488-13	079SB-0138M-0001-SO	T	Solid	3050B	
240-22488-14	079SB-0139M-0001-SO	T	Solid	3050B	
240-22488-15	079SB-0141M-0001-SO	T	Solid	3050B	
240-22488-16	079SB-0142M-0001-SO	T	Solid	3050B	
240-22488-17	079SB-0143M-0001-SO	T	Solid	3050B	
240-22488-18	079SB-0144M-0001-SO	T	Solid	3050B	
240-22488-19	079SB-0145M-0001-SO	T	Solid	3050B	
240-22488-20	079SB-0146M-0001-SO	T	Solid	3050B	
Prep Batch: 180-68559					
LCS 180-68559/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-68559/1-A	Method Blank	T	Solid	3050B	
240-22488-21	079SB-0147M-0001-SO	T	Solid	3050B	
240-22488-22	079SB-0148M-0001-SO	T	Solid	3050B	
240-22488-23	079SS-0053M-0001-SO	T	Solid	3050B	
240-22488-24	079SS-0054M-0001-SO	T	Solid	3050B	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-70345					
LCS 180-68556/2-A	Lab Control Sample	T	Solid	6020/DOD	180-68556
MB 180-68556/1-A	Method Blank	T	Solid	6020/DOD	180-68556
LCS 180-68559/2-A	Lab Control Sample	T	Solid	6020/DOD	180-68559
MB 180-68559/1-A	Method Blank	T	Solid	6020/DOD	180-68559
240-22488-1	079SB-0126M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-1DU	Duplicate	T	Solid	6020/DOD	180-68556
240-22488-1MS	Matrix Spike	T	Solid	6020/DOD	180-68556
240-22488-2	079SB-0127M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-3	079SB-0128M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-4	079SB-0129M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-5	079SB-0130M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-6	079SB-0131M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-7	079SB-0132M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-8	079SB-0133M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-9	079SB-0134M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-10	079SB-0135M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-11	079SB-0136M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-12	079SB-0137M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-13	079SB-0138M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-14	079SB-0139M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-15	079SB-0141M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-16	079SB-0142M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-17	079SB-0143M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-18	079SB-0144M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-19	079SB-0145M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-20	079SB-0146M-0001-SO	T	Solid	6020/DOD	180-68556
240-22488-21	079SB-0147M-0001-SO	T	Solid	6020/DOD	180-68559
240-22488-22	079SB-0148M-0001-SO	T	Solid	6020/DOD	180-68559
240-22488-23	079SS-0053M-0001-SO	T	Solid	6020/DOD	180-68559
240-22488-24	079SS-0054M-0001-SO	T	Solid	6020/DOD	180-68559

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-80070					
240-22488-1	079SB-0126M-0001-SO	T	Solid	Increment, Prep	
240-22488-2	079SB-0127M-0001-SO	T	Solid	Increment, Prep	
240-22488-3	079SB-0128M-0001-SO	T	Solid	Increment, Prep	
240-22488-4	079SB-0129M-0001-SO	T	Solid	Increment, Prep	
240-22488-5	079SB-0130M-0001-SO	T	Solid	Increment, Prep	
240-22488-6	079SB-0131M-0001-SO	T	Solid	Increment, Prep	
240-22488-7	079SB-0132M-0001-SO	T	Solid	Increment, Prep	
240-22488-8	079SB-0133M-0001-SO	T	Solid	Increment, Prep	
240-22488-9	079SB-0134M-0001-SO	T	Solid	Increment, Prep	
240-22488-9DU	Duplicate	T	Solid	Increment, Prep	
240-22488-9MS	Matrix Spike	T	Solid	Increment, Prep	
240-22488-10	079SB-0135M-0001-SO	T	Solid	Increment, Prep	
240-22488-11	079SB-0136M-0001-SO	T	Solid	Increment, Prep	
240-22488-12	079SB-0137M-0001-SO	T	Solid	Increment, Prep	
240-22488-13	079SB-0138M-0001-SO	T	Solid	Increment, Prep	
240-22488-14	079SB-0139M-0001-SO	T	Solid	Increment, Prep	
240-22488-15	079SB-0141M-0001-SO	T	Solid	Increment, Prep	
240-22488-16	079SB-0142M-0001-SO	T	Solid	Increment, Prep	
240-22488-17	079SB-0143M-0001-SO	T	Solid	Increment, Prep	
240-22488-18	079SB-0144M-0001-SO	T	Solid	Increment, Prep	
240-22488-19	079SB-0145M-0001-SO	T	Solid	Increment, Prep	
240-22488-20	079SB-0146M-0001-SO	T	Solid	Increment, Prep	
240-22488-21	079SB-0147M-0001-SO	T	Solid	Increment, Prep	
240-22488-22	079SB-0148M-0001-SO	T	Solid	Increment, Prep	
240-22488-23	079SS-0053M-0001-SO	T	Solid	Increment, Prep	
240-22488-24	079SS-0054M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-80564					
LCS 240-80564/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-80564/1-A	Method Blank	T	Solid	7471A	
240-22488-1	079SB-0126M-0001-SO	T	Solid	7471A	240-80070
240-22488-2	079SB-0127M-0001-SO	T	Solid	7471A	240-80070
240-22488-3	079SB-0128M-0001-SO	T	Solid	7471A	240-80070
240-22488-4	079SB-0129M-0001-SO	T	Solid	7471A	240-80070
240-22488-5	079SB-0130M-0001-SO	T	Solid	7471A	240-80070
240-22488-6	079SB-0131M-0001-SO	T	Solid	7471A	240-80070
240-22488-7	079SB-0132M-0001-SO	T	Solid	7471A	240-80070
240-22488-8	079SB-0133M-0001-SO	T	Solid	7471A	240-80070

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-80582					
LCS 240-80582/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-80582/1-A	Method Blank	T	Solid	7471A	
240-22488-9	079SB-0134M-0001-SO	T	Solid	7471A	240-80070
240-22488-9DU	Duplicate	T	Solid	7471A	240-80070
240-22488-9MS	Matrix Spike	T	Solid	7471A	240-80070
240-22488-10	079SB-0135M-0001-SO	T	Solid	7471A	240-80070
240-22488-11	079SB-0136M-0001-SO	T	Solid	7471A	240-80070
240-22488-12	079SB-0137M-0001-SO	T	Solid	7471A	240-80070
240-22488-13	079SB-0138M-0001-SO	T	Solid	7471A	240-80070
240-22488-14	079SB-0139M-0001-SO	T	Solid	7471A	240-80070
240-22488-15	079SB-0141M-0001-SO	T	Solid	7471A	240-80070
240-22488-16	079SB-0142M-0001-SO	T	Solid	7471A	240-80070
240-22488-17	079SB-0143M-0001-SO	T	Solid	7471A	240-80070
240-22488-18	079SB-0144M-0001-SO	T	Solid	7471A	240-80070
240-22488-19	079SB-0145M-0001-SO	T	Solid	7471A	240-80070
240-22488-20	079SB-0146M-0001-SO	T	Solid	7471A	240-80070
240-22488-21	079SB-0147M-0001-SO	T	Solid	7471A	240-80070
240-22488-22	079SB-0148M-0001-SO	T	Solid	7471A	240-80070
240-22488-23	079SS-0053M-0001-SO	T	Solid	7471A	240-80070
240-22488-24	079SS-0054M-0001-SO	T	Solid	7471A	240-80070

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-80828					
LCS 240-80564/2-A	Lab Control Sample	T	Solid	7471/DOD	240-80564
MB 240-80564/1-A	Method Blank	T	Solid	7471/DOD	240-80564
LCS 240-80582/2-A	Lab Control Sample	T	Solid	7471/DOD	240-80582
MB 240-80582/1-A	Method Blank	T	Solid	7471/DOD	240-80582
240-22488-1	079SB-0126M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-2	079SB-0127M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-3	079SB-0128M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-4	079SB-0129M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-5	079SB-0130M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-6	079SB-0131M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-7	079SB-0132M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-8	079SB-0133M-0001-SO	T	Solid	7471/DOD	240-80564
240-22488-9	079SB-0134M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-9DU	Duplicate	T	Solid	7471/DOD	240-80582
240-22488-9MS	Matrix Spike	T	Solid	7471/DOD	240-80582
240-22488-10	079SB-0135M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-11	079SB-0136M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-12	079SB-0137M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-13	079SB-0138M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-14	079SB-0139M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-15	079SB-0141M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-16	079SB-0142M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-17	079SB-0143M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-18	079SB-0144M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-19	079SB-0145M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-20	079SB-0146M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-21	079SB-0147M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-22	079SB-0148M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-23	079SS-0053M-0001-SO	T	Solid	7471/DOD	240-80582
240-22488-24	079SS-0054M-0001-SO	T	Solid	7471/DOD	240-80582

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-13968					
LCS 320-13863/2-B	Lab Control Sample	T	Solid	353 (NCell-Hyd)	
MB 320-13863/1-B	Method Blank	T	Solid	353 (NCell-Hyd)	
240-22488-5	079SB-0130M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22488-7	079SB-0132M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22488-11	079SB-0136M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22488-18	079SB-0144M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22488-23	079SS-0053M-0001-SO	T	Solid	353 (NCell-Hyd)	
Analysis Batch:320-14024					
LCS 320-13863/2-B	Lab Control Sample	T	Solid	WS-WC-0050	320-13968
MB 320-13863/1-B	Method Blank	T	Solid	WS-WC-0050	320-13968
240-22488-5	079SB-0130M-0001-SO	T	Solid	WS-WC-0050	320-13968
240-22488-7	079SB-0132M-0001-SO	T	Solid	WS-WC-0050	320-13968
240-22488-11	079SB-0136M-0001-SO	T	Solid	WS-WC-0050	320-13968
240-22488-18	079SB-0144M-0001-SO	T	Solid	WS-WC-0050	320-13968
240-22488-23	079SS-0053M-0001-SO	T	Solid	WS-WC-0050	320-13968
Analysis Batch:240-80250					
240-22488-1	079SB-0126M-0001-SO	T	Solid	Moisture	
240-22488-2	079SB-0127M-0001-SO	T	Solid	Moisture	
240-22488-3	079SB-0128M-0001-SO	T	Solid	Moisture	
240-22488-4	079SB-0129M-0001-SO	T	Solid	Moisture	
240-22488-5	079SB-0130M-0001-SO	T	Solid	Moisture	
240-22488-6	079SB-0131M-0001-SO	T	Solid	Moisture	
240-22488-7	079SB-0132M-0001-SO	T	Solid	Moisture	
240-22488-8	079SB-0133M-0001-SO	T	Solid	Moisture	
240-22488-9	079SB-0134M-0001-SO	T	Solid	Moisture	
240-22488-10	079SB-0135M-0001-SO	T	Solid	Moisture	
240-22488-11	079SB-0136M-0001-SO	T	Solid	Moisture	
240-22488-12	079SB-0137M-0001-SO	T	Solid	Moisture	
240-22488-13	079SB-0138M-0001-SO	T	Solid	Moisture	
240-22488-14	079SB-0139M-0001-SO	T	Solid	Moisture	
240-22488-15	079SB-0141M-0001-SO	T	Solid	Moisture	
240-22488-15DU	Duplicate	T	Solid	Moisture	
240-22488-16	079SB-0142M-0001-SO	T	Solid	Moisture	
240-22488-16DU	Duplicate	T	Solid	Moisture	
240-22488-17	079SB-0143M-0001-SO	T	Solid	Moisture	
240-22488-18	079SB-0144M-0001-SO	T	Solid	Moisture	
240-22488-19	079SB-0145M-0001-SO	T	Solid	Moisture	
240-22488-20	079SB-0146M-0001-SO	T	Solid	Moisture	
240-22488-21	079SB-0147M-0001-SO	T	Solid	Moisture	
240-22488-22	079SB-0148M-0001-SO	T	Solid	Moisture	
240-22488-23	079SS-0053M-0001-SO	T	Solid	Moisture	
240-22488-24	079SS-0054M-0001-SO	T	Solid	Moisture	

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-13607					
LCS 320-13607/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-13607/1-A	Method Blank	T	Solid	8330B	
240-22488-5	079SB-0130M-0001-SO	T	Solid	8330B	
240-22488-5MS	Matrix Spike	T	Solid	8330B	
240-22488-5MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-22488-11	079SB-0136M-0001-SO	T	Solid	8330B	
240-22488-18	079SB-0144M-0001-SO	T	Solid	8330B	
Prep Batch: 320-13711					
LCS 320-13711/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-13711/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-22488-5	079SB-0130M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22488-7	079SB-0132M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22488-11	079SB-0136M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22488-18	079SB-0144M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22488-23	079SS-0053M-0001-SO	T	Solid	Sieve/Ultrasoni	
Prep Batch: 320-13728					
LCS 320-13728/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-13728/1-A	Method Blank	T	Solid	8330B	
240-22488-7	079SB-0132M-0001-SO	T	Solid	8330B	
240-22488-23	079SS-0053M-0001-SO	T	Solid	8330B	
Analysis Batch:320-13851					
LCS 320-13607/2-A	Lab Control Sample	T	Solid	8330B	320-13607
MB 320-13607/1-A	Method Blank	T	Solid	8330B	320-13607
LCS 320-13728/2-A	Lab Control Sample	T	Solid	8330B	320-13728
MB 320-13728/1-A	Method Blank	T	Solid	8330B	320-13728
240-22488-5	079SB-0130M-0001-SO	T	Solid	8330B	320-13607
240-22488-5MS	Matrix Spike	T	Solid	8330B	320-13607
240-22488-5MSD	Matrix Spike Duplicate	T	Solid	8330B	320-13607
240-22488-7	079SB-0132M-0001-SO	T	Solid	8330B	320-13728
240-22488-11	079SB-0136M-0001-SO	T	Solid	8330B	320-13607
240-22488-18	079SB-0144M-0001-SO	T	Solid	8330B	320-13607
240-22488-23	079SS-0053M-0001-SO	T	Solid	8330B	320-13728
Analysis Batch:320-13918					
LCS 320-13711/2-A	Lab Control Sample	T	Solid	8330 Modified	320-13711
MB 320-13711/1-A	Method Blank	T	Solid	8330 Modified	320-13711
240-22488-5	079SB-0130M-0001-SO	T	Solid	8330 Modified	320-13711
240-22488-7	079SB-0132M-0001-SO	T	Solid	8330 Modified	320-13711
240-22488-11	079SB-0136M-0001-SO	T	Solid	8330 Modified	320-13711
240-22488-18	079SB-0144M-0001-SO	T	Solid	8330 Modified	320-13711
240-22488-23	079SS-0053M-0001-SO	T	Solid	8330 Modified	320-13711

Client: Environmental Chemical Corp. Job Number: 240-22488-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:320-14050					
MB 320-13711/1-A	Method Blank	T	Solid	8330 Modified	320-13711
240-22488-23	079SS-0053M-0001-SO	T	Solid	8330 Modified	320-13711
Analysis Batch:320-14569					
MB 320-13607/1-A	Method Blank	T	Solid	8330B	320-13607
MB 320-13728/1-A	Method Blank	T	Solid	8330B	320-13728
240-22488-5	079SB-0130M-0001-SO	T	Solid	8330B	320-13607
240-22488-7	079SB-0132M-0001-SO	T	Solid	8330B	320-13728
240-22488-11	079SB-0136M-0001-SO	T	Solid	8330B	320-13607
240-22488-18	079SB-0144M-0001-SO	T	Solid	8330B	320-13607
240-22488-23	079SS-0053M-0001-SO	T	Solid	8330B	320-13728

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-1 **Client ID: 079SB-0126M-0001-SO**

Sample Date/Time: 03/25/2013 17:28 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-1-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-1-A		180-70345	180-68556	04/29/2013 06:18	1	TAL PIT	BR
P:7471A	240-22488-C-1-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-1-B		240-80828	240-80564	04/05/2013 12:15	1	TAL CAN	AS
A:Moisture	240-22488-A-1		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-1 MS **Client ID: 079SB-0126M-0001-SO**

Sample Date/Time: 03/25/2013 17:28 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-1-C MS		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-1-C MS		180-70345	180-68556	04/29/2013 06:43	1	TAL PIT	BR

Lab ID: 240-22488-1 DU **Client ID: 079SB-0126M-0001-SO**

Sample Date/Time: 03/25/2013 17:28 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-1-B DU		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-1-B DU		180-70345	180-68556	04/29/2013 06:35	1	TAL PIT	BR

Lab ID: 240-22488-1 SD **Client ID: 079SB-0126M-0001-SO**

Sample Date/Time: 03/25/2013 17:28 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-1-A SD ^5		180-70345	180-68556	04/08/2013 12:59	5	TAL PIT	CH
A:6020/DOD	240-22488-D-1-A SD ^5		180-70345	180-68556	04/29/2013 06:26	5	TAL PIT	BR
P:3050B	240-22488-D-1-A PDS		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-1-A PDS		180-70345	180-68556	04/29/2013 06:51	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-2 **Client ID: 079SB-0127M-0001-SO**

Sample Date/Time: 03/25/2013 17:28 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-2-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-2-C		180-70345	180-68556	04/29/2013 05:04	1	TAL PIT	BR
P:7471A	240-22488-C-2-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-2-B		240-80828	240-80564	04/05/2013 12:16	1	TAL CAN	AS
A:Moisture	240-22488-A-2		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-3 **Client ID: 079SB-0128M-0001-SO**

Sample Date/Time: 03/25/2013 17:20 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-3-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-3-C		180-70345	180-68556	04/29/2013 05:12	1	TAL PIT	BR
P:7471A	240-22488-C-3-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-3-B		240-80828	240-80564	04/05/2013 12:20	1	TAL CAN	AS
A:Moisture	240-22488-A-3		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-4 **Client ID: 079SB-0129M-0001-SO**

Sample Date/Time: 03/25/2013 17:25 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-4-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-4-C		180-70345	180-68556	04/29/2013 05:20	1	TAL PIT	BR
P:7471A	240-22488-C-4-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-4-B		240-80828	240-80564	04/05/2013 12:22	1	TAL CAN	AS
A:Moisture	240-22488-A-4		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-5 **Client ID: 079SB-0130M-0001-SO**

Sample Date/Time: 03/25/2013 17:35 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22488-C-5-A		240-80388	240-80275	03/26/2013 19:10	1	TAL CAN	LM
A:8260B/DoD	240-22488-C-5-A		240-80388	240-80275	04/03/2013 13:06	1	TAL CAN	SM
P:3540C	240-22488-G-5-E		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-5-E		240-81882	240-80589	04/15/2013 12:43	1	TAL CAN	MU
P:3540C	240-22488-G-5-C		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-5-C		240-81016	240-80550	04/08/2013 16:54	1	TAL CAN	RS
P:3540C	240-22488-G-5-B		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-5-B		240-80903	240-80543	04/08/2013 09:39	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22488-F-5-D		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-5-D		320-13918	320-13711	04/10/2013 07:23	1	TAL SAC	kr
P:8330B	240-22488-F-5-A		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-5-A		320-13851	320-13607	04/09/2013 11:46	1	TAL SAC	kr
P:8330B	240-22488-F-5-A		320-14569	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-5-A		320-14569	320-13607	04/18/2013 22:01	1	TAL SAC	RN
P:3050B	240-22488-E-5-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-E-5-A		180-70345	180-68556	04/29/2013 06:59	1	TAL PIT	BR
P:7471A	240-22488-G-5-D		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-G-5-D		240-80828	240-80564	04/05/2013 12:24	1	TAL CAN	AS
A:Moisture	240-22488-D-5		240-80250		04/02/2013 11:05	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22488-F-5-F		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	240-22488-F-5-F		320-14024	320-13968	04/10/2013 11:42	1	TAL SAC	JS

Lab ID: 240-22488-5 MS **Client ID: 079SB-0130M-0001-SO**

Sample Date/Time: 03/25/2013 17:35 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22488-F-5-B MS		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-5-B MS		320-13851	320-13607	04/09/2013 12:43	1	TAL SAC	kr

Lab ID: 240-22488-5 MSD **Client ID: 079SB-0130M-0001-SO**

Sample Date/Time: 03/25/2013 17:35 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22488-F-5-C MSD		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-5-C MSD		320-13851	320-13607	04/09/2013 13:40	1	TAL SAC	kr

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-6 **Client ID: 079SB-0131M-0001-SO**

Sample Date/Time: 03/25/2013 16:58 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-6-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-6-A		180-70345	180-68556	04/29/2013 07:08	1	TAL PIT	BR
P:7471A	240-22488-C-6-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-6-B		240-80828	240-80564	04/05/2013 12:26	1	TAL CAN	AS
A:Moisture	240-22488-A-6		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-7 **Client ID: 079SB-0132M-0001-SO**

Sample Date/Time: 03/25/2013 16:52 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22488-C-7-A		240-80388	240-80275	03/26/2013 19:10	1	TAL CAN	LM
A:8260B/DoD	240-22488-C-7-A		240-80388	240-80275	04/03/2013 13:27	1	TAL CAN	SM
P:3540C	240-22488-G-7-E		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-7-E		240-81882	240-80589	04/15/2013 13:03	1	TAL CAN	MU
P:3540C	240-22488-G-7-C		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-7-C		240-81016	240-80550	04/08/2013 17:14	1	TAL CAN	RS
P:3540C	240-22488-G-7-B		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-7-B		240-80903	240-80543	04/08/2013 09:53	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22488-F-7-A		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-7-A		320-13918	320-13711	04/10/2013 07:41	1	TAL SAC	kr
P:8330B	240-22488-F-7-B		320-13851	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	240-22488-F-7-B		320-13851	320-13728	04/09/2013 01:17	1	TAL SAC	kr
P:8330B	240-22488-F-7-B		320-14569	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	240-22488-F-7-B		320-14569	320-13728	04/18/2013 13:13	1	TAL SAC	RN
P:3050B	240-22488-E-7-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-E-7-A		180-70345	180-68556	04/29/2013 07:16	1	TAL PIT	BR
P:7471A	240-22488-G-7-D		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-G-7-D		240-80828	240-80564	04/05/2013 12:27	1	TAL CAN	AS
A:Moisture	240-22488-D-7		240-80250		04/02/2013 11:05	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22488-F-7-D		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	240-22488-F-7-D		320-14024	320-13968	04/10/2013 11:44	1	TAL SAC	JS

Lab ID: 240-22488-8 **Client ID: 079SB-0133M-0001-SO**

Sample Date/Time: 03/25/2013 17:10 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-8-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-8-C		180-70345	180-68556	04/29/2013 07:24	1	TAL PIT	BR
P:7471A	240-22488-C-8-B		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-8-B		240-80828	240-80564	04/05/2013 12:29	1	TAL CAN	AS
A:Moisture	240-22488-A-8		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-9 **Client ID: 079SB-0134M-0001-SO**

Sample Date/Time: 03/25/2013 16:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-9-E		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-9-E		180-70345	180-68556	04/29/2013 07:32	1	TAL PIT	BR
P:7471A	240-22488-C-9-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-9-B		240-80828	240-80582	04/05/2013 13:39	1	TAL CAN	AS
A:Moisture	240-22488-A-9		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-9 MS **Client ID: 079SB-0134M-0001-SO**

Sample Date/Time: 03/25/2013 16:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-22488-C-9-D MS		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-9-D MS		240-80828	240-80582	04/05/2013 13:47	1	TAL CAN	AS

Lab ID: 240-22488-9 DU **Client ID: 079SB-0134M-0001-SO**

Sample Date/Time: 03/25/2013 16:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-22488-C-9-C DU		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-9-C DU		240-80828	240-80582	04/05/2013 13:45	1	TAL CAN	AS

Lab ID: 240-22488-10 **Client ID: 079SB-0135M-0001-SO**

Sample Date/Time: 03/25/2013 16:32 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-10-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-10-C		180-70345	180-68556	04/29/2013 07:57	1	TAL PIT	BR
P:7471A	240-22488-C-10-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-10-B		240-80828	240-80582	04/05/2013 13:48	1	TAL CAN	AS
A:Moisture	240-22488-A-10		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-11 **Client ID: 079SB-0136M-0001-SO**

Sample Date/Time: 03/25/2013 16:31 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22488-C-11-A		240-80388	240-80275	03/26/2013 19:10	1	TAL CAN	LM
A:8260B/DoD	240-22488-C-11-A		240-80388	240-80275	04/03/2013 13:49	1	TAL CAN	SM
P:3540C	240-22488-G-11-E		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-11-E		240-81882	240-80589	04/15/2013 13:23	1	TAL CAN	MU
P:3540C	240-22488-G-11-C		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-11-C		240-81016	240-80550	04/08/2013 17:34	1	TAL CAN	RS
P:3540C	240-22488-G-11-B		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-11-B		240-80903	240-80543	04/08/2013 10:07	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22488-F-11-B		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-11-B		320-13918	320-13711	04/10/2013 07:59	1	TAL SAC	kr
P:8330B	240-22488-F-11-A		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-11-A		320-13851	320-13607	04/09/2013 16:31	1	TAL SAC	kr
P:8330B	240-22488-F-11-A		320-14569	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-11-A		320-14569	320-13607	04/18/2013 23:07	1	TAL SAC	RN
P:3050B	240-22488-E-11-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-E-11-A		180-70345	180-68556	04/29/2013 08:05	1	TAL PIT	BR
P:7471A	240-22488-G-11-D		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-G-11-D		240-80828	240-80582	04/05/2013 13:50	1	TAL CAN	AS
A:Moisture	240-22488-D-11		240-80250		04/02/2013 11:05	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22488-F-11-D		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	240-22488-F-11-D		320-14024	320-13968	04/10/2013 11:46	1	TAL SAC	JS

Lab ID: 240-22488-12 **Client ID: 079SB-0137M-0001-SO**

Sample Date/Time: 03/25/2013 16:01 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-12-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-12-C		180-70345	180-68556	04/29/2013 08:13	1	TAL PIT	BR
P:7471A	240-22488-C-12-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-12-B		240-80828	240-80582	04/05/2013 13:52	1	TAL CAN	AS
A:Moisture	240-22488-A-12		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-13 **Client ID: 079SB-0138M-0001-SO**

Sample Date/Time: 03/25/2013 15:45 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-D-13-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-D-13-A		180-70345	180-68556	04/29/2013 08:22	1	TAL PIT	BR
P:7471A	240-22488-C-13-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-13-B		240-80828	240-80582	04/05/2013 13:53	1	TAL CAN	AS
A:Moisture	240-22488-A-13		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-14 **Client ID: 079SB-0139M-0001-SO**

Sample Date/Time: 03/25/2013 15:29 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-14-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-14-C		180-70345	180-68556	04/29/2013 08:30	1	TAL PIT	BR
P:7471A	240-22488-C-14-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-14-B		240-80828	240-80582	04/05/2013 13:55	1	TAL CAN	AS
A:Moisture	240-22488-A-14		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-15 **Client ID: 079SB-0141M-0001-SO**

Sample Date/Time: 03/25/2013 15:12 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-15-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-15-C		180-70345	180-68556	04/29/2013 08:38	1	TAL PIT	BR
P:7471A	240-22488-C-15-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-15-B		240-80828	240-80582	04/05/2013 13:56	1	TAL CAN	AS
A:Moisture	240-22488-A-15		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-15 DU **Client ID: 079SB-0141M-0001-SO**

Sample Date/Time: 03/25/2013 15:12 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22488-A-15 DU		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-16 **Client ID: 079SB-0142M-0001-SO**

Sample Date/Time: 03/25/2013 14:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-16-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-16-C		180-70345	180-68556	04/29/2013 08:46	1	TAL PIT	BR
P:7471A	240-22488-C-16-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-16-B		240-80828	240-80582	04/05/2013 13:58	1	TAL CAN	AS
A:Moisture	240-22488-A-16		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-16 DU **Client ID: 079SB-0142M-0001-SO**

Sample Date/Time: 03/25/2013 14:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22488-A-16 DU		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-17 **Client ID: 079SB-0143M-0001-SO**

Sample Date/Time: 03/25/2013 14:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-17-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-17-C		180-70345	180-68556	04/29/2013 08:55	1	TAL PIT	BR
P:7471A	240-22488-C-17-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-17-B		240-80828	240-80582	04/05/2013 14:02	1	TAL CAN	AS
A:Moisture	240-22488-A-17		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-18 **Client ID: 079SB-0144M-0001-SO**

Sample Date/Time: 03/25/2013 14:37 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22488-B-18-A		240-80302	240-80275	03/26/2013 19:10	1	TAL CAN	LM
A:8260B/DoD	240-22488-B-18-A		240-80302	240-80275	04/02/2013 20:33	1	TAL CAN	SM
P:3540C	240-22488-G-18-E		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-18-E		240-81882	240-80589	04/15/2013 13:43	1	TAL CAN	MU
P:3540C	240-22488-G-18-C		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-18-C		240-81016	240-80550	04/08/2013 17:54	1	TAL CAN	RS
P:3540C	240-22488-G-18-B		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-18-B		240-80903	240-80543	04/08/2013 10:22	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22488-F-18-B		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-18-B		320-13918	320-13711	04/10/2013 08:17	1	TAL SAC	kr
P:8330B	240-22488-F-18-A		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-18-A		320-13851	320-13607	04/09/2013 18:25	1	TAL SAC	kr
P:8330B	240-22488-F-18-A		320-14569	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	240-22488-F-18-A		320-14569	320-13607	04/19/2013 00:14	1	TAL SAC	RN
P:3050B	240-22488-E-18-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-E-18-A		180-70345	180-68556	04/29/2013 09:03	1	TAL PIT	BR
P:7471A	240-22488-G-18-D		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-G-18-D		240-80828	240-80582	04/05/2013 14:04	1	TAL CAN	AS
A:Moisture	240-22488-D-18		240-80250		04/02/2013 11:05	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22488-F-18-D		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	240-22488-F-18-D		320-14024	320-13968	04/10/2013 11:48	1	TAL SAC	JS

Lab ID: 240-22488-19 **Client ID: 079SB-0145M-0001-SO**

Sample Date/Time: 03/25/2013 14:15 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-19-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-19-C		180-70345	180-68556	04/29/2013 09:11	1	TAL PIT	BR
P:7471A	240-22488-C-19-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-19-B		240-80828	240-80582	04/05/2013 14:06	1	TAL CAN	AS
A:Moisture	240-22488-A-19		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-20 **Client ID: 079SB-0146M-0001-SO**

Sample Date/Time: 03/25/2013 11:30 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-20-C		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	240-22488-C-20-C		180-70345	180-68556	04/29/2013 09:36	1	TAL PIT	BR
P:7471A	240-22488-C-20-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-20-B		240-80828	240-80582	04/05/2013 14:08	1	TAL CAN	AS
A:Moisture	240-22488-A-20		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-21 **Client ID: 079SB-0147M-0001-SO**

Sample Date/Time: 03/25/2013 11:45 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-21-C		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	240-22488-C-21-C		180-70345	180-68559	04/29/2013 10:01	1	TAL PIT	BR
P:7471A	240-22488-C-21-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-21-B		240-80828	240-80582	04/05/2013 14:09	1	TAL CAN	AS
A:Moisture	240-22488-A-21		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-22 **Client ID: 079SB-0148M-0001-SO**

Sample Date/Time: 03/25/2013 12:10 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-22-C		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	240-22488-C-22-C		180-70345	180-68559	04/29/2013 10:09	1	TAL PIT	BR
P:7471A	240-22488-C-22-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-22-B		240-80828	240-80582	04/05/2013 14:10	1	TAL CAN	AS
A:Moisture	240-22488-A-22		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-23 **Client ID: 079SS-0053M-0001-SO**

Sample Date/Time: 03/25/2013 16:45 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22488-C-23-A		240-80388	240-80275	03/26/2013 19:10	1	TAL CAN	LM
A:8260B/DoD	240-22488-C-23-A		240-80388	240-80275	04/03/2013 14:32	1	TAL CAN	SM
P:3540C	240-22488-G-23-I		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-23-I		240-81882	240-80589	04/15/2013 14:03	1	TAL CAN	MU
P:3540C	240-22488-G-23-E		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-23-E		240-81016	240-80550	04/08/2013 18:15	1	TAL CAN	RS
P:3540C	240-22488-G-23-B		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-23-B		240-80903	240-80543	04/08/2013 11:05	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22488-F-23-A		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-23-A		320-13918	320-13711	04/10/2013 08:52	1	TAL SAC	kr
P:Sieve/Ultrasoni	240-22488-F-23-A		320-14050	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	240-22488-F-23-A		320-14050	320-13711	04/10/2013 20:27	1	TAL SAC	kr
P:8330B	240-22488-F-23-B		320-13851	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	240-22488-F-23-B		320-13851	320-13728	04/09/2013 02:15	1	TAL SAC	kr
P:8330B	240-22488-F-23-B		320-14569	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	240-22488-F-23-B		320-14569	320-13728	04/18/2013 14:19	1	TAL SAC	RN
P:3050B	240-22488-E-23-A		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	240-22488-E-23-A		180-70345	180-68559	04/29/2013 10:17	1	TAL PIT	BR
P:7471A	240-22488-G-23-H		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-G-23-H		240-80828	240-80582	04/05/2013 14:12	1	TAL CAN	AS
A:Moisture	240-22488-D-23		240-80250		04/02/2013 11:05	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22488-F-23-D		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	240-22488-F-23-D		320-14024	320-13968	04/10/2013 11:50	1	TAL SAC	JS

Lab ID: 240-22488-23 MS **Client ID: 079SS-0053M-0001-SO**

Sample Date/Time: 03/25/2013 16:45 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22488-G-23-J MS		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-23-J MS		240-81882	240-80589	04/15/2013 14:22	1	TAL CAN	MU
P:3540C	240-22488-G-23-F MS		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-23-F MS		240-81016	240-80550	04/08/2013 18:35	1	TAL CAN	RS
P:3540C	240-22488-G-23-C MS		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-23-C MS		240-80903	240-80543	04/08/2013 11:19	1	TAL CAN	LH

Client: Environmental Chemical Corp. Job Number: 240-22488-1

Laboratory Chronicle

Lab ID: 240-22488-23 MSD **Client ID: 079SS-0053M-0001-SO**

Sample Date/Time: 03/25/2013 16:45 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22488-G-23-K MSD		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	240-22488-G-23-K MSD		240-81882	240-80589	04/15/2013 14:42	1	TAL CAN	MU
P:3540C	240-22488-G-23-G MSD		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	240-22488-G-23-G MSD		240-81016	240-80550	04/08/2013 18:55	1	TAL CAN	RS
P:3540C	240-22488-G-23-D MSD		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	240-22488-G-23-D MSD		240-80903	240-80543	04/08/2013 11:34	1	TAL CAN	LH

Lab ID: 240-22488-24 **Client ID: 079SS-0054M-0001-SO**

Sample Date/Time: 03/25/2013 15:08 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22488-C-24-C		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	240-22488-C-24-C		180-70345	180-68559	04/29/2013 10:26	1	TAL PIT	BR
P:7471A	240-22488-C-24-B		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	240-22488-C-24-B		240-80828	240-80582	04/05/2013 14:14	1	TAL CAN	AS
A:Moisture	240-22488-A-24		240-80250		04/02/2013 11:05	1	TAL CAN	JS

Lab ID: 240-22488-25 **Client ID: TRIP BLANK**

Sample Date/Time: 03/25/2013 00:00 Received Date/Time: 03/26/2013 18:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-22488-B-25		240-81013		04/08/2013 13:55	1	TAL CAN	RQ
A:8260B/DoD	240-22488-B-25		240-81013		04/08/2013 13:55	1	TAL CAN	RQ

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-80302/7		240-80302		04/02/2013 16:21	1	TAL CAN	SM
A:8260B/DoD	MB 240-80388/7		240-80388		04/03/2013 12:29	1	TAL CAN	SM
P:5030B	MB 240-81013/6		240-81013		04/08/2013 13:34	1	TAL CAN	RQ
A:8260B/DoD	MB 240-81013/6		240-81013		04/08/2013 13:34	1	TAL CAN	RQ
P:3540C	MB 240-80589/12-A		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	MB 240-80589/12-A		240-81882	240-80589	04/15/2013 10:44	1	TAL CAN	MU
P:3540C	MB 240-80550/10-A		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	MB 240-80550/10-A		240-81016	240-80550	04/08/2013 19:15	1	TAL CAN	RS
P:3540C	MB 240-80543/17-A		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	MB 240-80543/17-A		240-80903	240-80543	04/08/2013 10:36	1	TAL CAN	LH
P:Sieve/Ultrasoni	MB 320-13711/1-A		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	MB 320-13711/1-A		320-13918	320-13711	04/10/2013 06:12	1	TAL SAC	kr
P:Sieve/Ultrasoni	MB 320-13711/1-A		320-14050	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	MB 320-13711/1-A		320-14050	320-13711	04/10/2013 20:07	1	TAL SAC	kr
P:8330B	MB 320-13728/1-A		320-13851	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	MB 320-13728/1-A		320-13851	320-13728	04/08/2013 20:32	1	TAL SAC	kr
P:8330B	MB 320-13607/1-A		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	MB 320-13607/1-A		320-13851	320-13607	04/09/2013 03:12	1	TAL SAC	kr
P:8330B	MB 320-13728/1-A		320-14569	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	MB 320-13728/1-A		320-14569	320-13728	04/18/2013 12:07	1	TAL SAC	RN
P:8330B	MB 320-13607/1-A		320-14569	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	MB 320-13607/1-A		320-14569	320-13607	04/18/2013 15:25	1	TAL SAC	RN
P:3050B	MB 180-68556/1-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	MB 180-68556/1-A		180-70345	180-68556	04/29/2013 04:47	1	TAL PIT	BR
P:3050B	MB 180-68559/1-A		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	MB 180-68559/1-A		180-70345	180-68559	04/29/2013 09:44	1	TAL PIT	BR
P:7471A	MB 240-80564/1-A		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	MB 240-80564/1-A		240-80828	240-80564	04/05/2013 11:45	1	TAL CAN	AS
P:7471A	MB 240-80582/1-A		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	MB 240-80582/1-A		240-80828	240-80582	04/05/2013 13:36	1	TAL CAN	AS
P:353 (NCell-Hyd)	MB 320-13863/1-B		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	MB 320-13863/1-B		320-14024	320-13968	04/10/2013 11:16	1	TAL SAC	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-80302/6		240-80302		04/02/2013 16:00	1	TAL CAN	SM
A:8260B/DoD	LCS 240-80388/6		240-80388		04/03/2013 12:08	1	TAL CAN	SM
P:5030B	LCS 240-81013/4		240-81013		04/08/2013 12:50	1	TAL CAN	RQ
A:8260B/DoD	LCS 240-81013/4		240-81013		04/08/2013 12:50	1	TAL CAN	RQ
P:3540C	LCS 240-80589/13-A		240-81882	240-80589	04/04/2013 10:52	1	TAL CAN	JS
A:8270C/DoD	LCS 240-80589/13-A		240-81882	240-80589	04/15/2013 11:04	1	TAL CAN	MU
P:3540C	LCS 240-80550/11-A		240-81016	240-80550	04/04/2013 09:42	1	TAL CAN	JS
A:8081/DOD	LCS 240-80550/11-A		240-81016	240-80550	04/08/2013 19:35	1	TAL CAN	RS
P:3540C	LCS 240-80543/18-A		240-80903	240-80543	04/04/2013 09:20	1	TAL CAN	JS
A:8082/DOD	LCS 240-80543/18-A		240-80903	240-80543	04/08/2013 11:48	1	TAL CAN	LH
P:Sieve/Ultrasoni	LCS 320-13711/2-A		320-13918	320-13711	04/05/2013 11:15	1	TAL SAC	HA
A:8330 Modified	LCS 320-13711/2-A		320-13918	320-13711	04/10/2013 06:30	1	TAL SAC	kr
P:8330B	LCS 320-13728/2-A		320-13851	320-13728	04/05/2013 12:21	1	TAL SAC	HA
A:8330B	LCS 320-13728/2-A		320-13851	320-13728	04/08/2013 21:29	1	TAL SAC	kr
P:8330B	LCS 320-13607/2-A		320-13851	320-13607	04/04/2013 09:31	1	TAL SAC	HA
A:8330B	LCS 320-13607/2-A		320-13851	320-13607	04/09/2013 06:03	1	TAL SAC	kr
P:3050B	LCS 180-68556/2-A		180-70345	180-68556	04/08/2013 12:59	1	TAL PIT	CH
A:6020/DOD	LCS 180-68556/2-A		180-70345	180-68556	04/29/2013 04:56	1	TAL PIT	BR
P:3050B	LCS 180-68559/2-A		180-70345	180-68559	04/08/2013 13:22	1	TAL PIT	CH
A:6020/DOD	LCS 180-68559/2-A		180-70345	180-68559	04/29/2013 09:52	1	TAL PIT	BR
P:7471A	LCS 240-80564/2-A		240-80828	240-80564	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	LCS 240-80564/2-A		240-80828	240-80564	04/05/2013 11:47	1	TAL CAN	AS
P:7471A	LCS 240-80582/2-A		240-80828	240-80582	04/04/2013 14:05	1	TAL CAN	DE
A:7471/DOD	LCS 240-80582/2-A		240-80828	240-80582	04/05/2013 13:38	1	TAL CAN	AS
P:353 (NCell-Hyd)	LCS 320-13863/2-B		320-14024	320-13968	04/10/2013 08:01	1	TAL SAC	TP
A:WS-WC-0050	LCS 320-13863/2-B		320-14024	320-13968	04/10/2013 11:18	1	TAL SAC	JS

Client: Environmental Chemical Corp. Job Number: 240-22488-1

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 240-80302/5		240-80302		04/02/2013 15:38	1	TAL CAN	SM
A:8260B/DoD	MRL 240-80302/31		240-80302		04/03/2013 01:12	1	TAL CAN	SM
A:8260B/DoD	MRL 240-80388/5		240-80388		04/03/2013 11:46	1	TAL CAN	SM
A:8260B/DoD	MRL 240-80388/32		240-80388		04/03/2013 21:41	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:8270C/DoD	MRL 240-81882/3		240-81882		04/15/2013 10:22	1	TAL CAN	MU
A:8270C/DoD	MRL 240-81882/23		240-81882		04/15/2013 17:01	1	TAL CAN	MU
A:8081/DOD	MRL 240-81016/6		240-81016		04/08/2013 14:33	1	TAL CAN	RS
A:8081/DOD	MRL 240-81016/23		240-81016		04/08/2013 20:16	1	TAL CAN	RS
A:8082/DOD	MRL 240-80903/10		240-80903		04/08/2013 08:56	1	TAL CAN	LH
A:8082/DOD	MRL 240-80903/24		240-80903		04/08/2013 12:17	1	TAL CAN	LH
A:WS-WC-0050	MRL 320-14024/10		320-14024		04/10/2013 11:06	1	TAL SAC	JS
A:WS-WC-0050	MRL 320-14024/20		320-14024		04/10/2013 11:26	1	TAL SAC	JS

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL SAC = TestAmerica Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00024	11/12/15	03/07/13	MEOH, Lot 124454	2000 mL	EXBNASURR_00009	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00009	11/15/15		SUPELCO, Lot lb96723		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXPSTNPDESSPW_00012	04/30/13	11/28/12	MEOH, Lot 123279	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
EXRESTEKSPKW_00019	06/13/13	01/29/13	MEOH, Lot 123279	200 mL	EXBNARESSPK_00007	40 mL	1,1'-Biphenyl	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00007	06/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
MTAQUAREGIA_00486	04/04/13	04/04/13	NA, Lot NA	500 mL	MTHCL_00057	375 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00045	125 mL	Nitric acid	0.25 mL/mL
.MTHCL_00057	03/22/15		MACRON, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00487	04/05/13	04/05/13	NA, Lot NA	500 mL	MTHCL_00057	375 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00045	125 mL	Nitric acid	0.25 mL/mL
.MTHCL_00057	03/22/15		MACRON, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00347	04/04/13	04/04/13	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_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 %
MTHgStd_00009	03/08/14		Plasma Pure, Lot 1277101		(Purchased Reagent)		Mercury	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
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
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL
.SG 1016 ICV_00004	03/31/17		ULTRA, Lot CF-0785		(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14		ULTRA, Lot CC-3829		(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14		Ultra Scientific, Lot CB-1791z		(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00006	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00005	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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@0.5PPM_00010	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00005	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
SG1232ICV_00004	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1232 ICV_00004	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00004	10/31/14		Ultra Scientific, Lot CG-3213		(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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@0.5ppm_00008	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19		Ultra Scientific, Lot CH-2711		(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00007	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00006	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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@0.5ppm_00008	07/03/13	01/03/13	HEXANE, Lot 00000017861	100 mL	SG1248@10ppm_00004	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
SG1248ICV_00006	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1248 ICV_00004	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00004	11/30/19	Ultra Scientific, Lot CH-3256			(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00005	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1254 ICV_00004	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00004	12/31/19	Ultra Scientific, Lot CH-3706			(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1660@.05PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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@2.0PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1660STD@0.1_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@O.1PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SGPestAB1_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							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.: 240-22488-1

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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPestAB4_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB5_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPESTABCV_00011	07/25/13	01/25/13	HEXANE, Lot 0000017861	100 mL	SGPESTABIC_00005	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	10 ug/mL
..SGPESTABIV_00008	11/30/14	Ultra Scientific, Lot CJ-3745			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEMS_00008	12/31/15	Restek, Lot A085642			(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SMLIST1 L1 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,2-Dichlorobenzene	0.1 ug/mL
							1,3-Dichlorobenzene	0.1 ug/mL
							1,4-Dichlorobenzene	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2,4-Dichlorophenol	0.1 ug/mL
							2,4-Dimethylphenol	0.1 ug/mL
							2,4-Dinitrophenol	0.2 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2,6-Dinitrotoluene	0.1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	0.1 ug/mL
							bis (2-chloroisopropyl) ether	0.1 ug/mL
							Bis(2-chloroethoxy)methane	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Bis(2-ethylhexyl) phthalate	0.1 ug/mL
							Butyl benzyl phthalate	0.1 ug/mL
							Carbazole	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Di-n-butyl phthalate	0.1 ug/mL
							Di-n-octyl phthalate	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Diethyl phthalate	0.1 ug/mL
							Dimethyl phthalate	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachlorocyclopentadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Isophorone	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Benzyl alcohol	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							Benzaldehyde	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SMLIST1 L7 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitroaniline	25 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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.: 240-22488-1

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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzoic acid	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00001	03/22/14	04/02/13	MECL2, Lot 0000028522	3 mL	SMLIST1 SS S1_00001	300 uL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	72 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SS S2_00001	04/01/14		Restek, Lot A093775		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SS S3_00001	04/01/14		Restek, Lot A093654		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 SS S5_00001	04/01/14		Restek, Lot A093671		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1SS SUR_00001	03/22/14		Restek, Lot A092712		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
VM250SS_00010	06/07/13	12/07/12	MEOH, Lot 123279	100 mL	VMCUS8125_00007	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.VMCUS8125_00007	10/31/14		Ultra Scientific, Lot CG-3334		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VM50IS_00026	06/01/13	03/01/13	MEOH, Lot 124454	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14		Ultra Scientific, Lot CH-3660		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00101	04/08/13	04/01/13	MEOH, Lot na	2 mL	vm50ss_stk_00049	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00049	06/15/13	03/15/13	MEOH, Lot 124454	50 mL	VMstm530_00019	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00019	05/31/15		Ultra Scientific, Lot CJ-1280		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00049	06/15/13	03/15/13	MEOH, Lot 124454	50 mL	VMstm530_00019	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMstm530_00019	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VM567649_00002	02/28/18	restek, Lot A093504			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
VMCGAS_00115	04/01/13	03/25/13	MEOH, Lot 124454	10 mL	VMDWM544_00012	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00012	06/30/15	ULTRA, Lot CJ-1658			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00116	04/09/13	04/02/13	MEOH, Lot 124454	10 mL	VMDWM544_00012	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00012	06/30/15	ULTRA, Lot CJ-1658			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00139	04/04/13	03/28/13	MEOH, Lot na	3 mL	VMFAS_00037	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	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
							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

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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		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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	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
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
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
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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.: 240-22488-1

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_00039	05/01/13	04/01/13	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.: 240-22488-1

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
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
							Thallium	0.1 ppm
							Vanadium	0.1 ppm
							Zinc	0.1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00033	05/07/13	04/07/13	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
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00029	05/07/13	04/07/13	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
							Ti	20 ppm
MICVX_00003	04/17/13	03/17/13	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00013	10 mg/L	Aluminum	0.4 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00019	05/01/13	04/01/13	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00004	10 mg/L	Aluminum	1 ppm
							Arsenic	0.2 ppm
							Barium	0.2 ppm
							Beryllium	0.2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00020	05/01/13	04/01/13	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
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTICPMS_00014	02/01/14	INORGANIC VENTURES, Lot E2-MEB379097			(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTMSA_00014	03/01/14	INORGANIC VENTURES, Lot G2-MEB458093			(Purchased Reagent)		Calcium	5000 ug/mL
							Magnesium	5000 ug/mL
							Potassium	5000 ug/mL
							Sodium	5000 ug/mL
MTAPITTMSC_00018	03/01/14	Inorganic Ventures, Lot G2-MEB458094			(Purchased Reagent)		Antimony	50 ug/mL
MTAPITTMSC_00020	03/01/14	Inorganic Ventures, Lot E2-MEB379096			(Purchased Reagent)		Antimony	50 ug/mL
							Mo	100 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00012	09/14/13	03/14/13	Acetonitrile, Lot Acetonitrite_00005	50 mL	HP8330SU_00011	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00011	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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_00004	05/30/13	04/17/13	25:75 HOAc/ACN, Lot 4457-91F	50 mL	HP34DNTSU_00013	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_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.: 240-22488-1

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_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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.: 240-22488-1

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
HP8330L1_00005	05/04/13	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00004	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
.HP8330L4_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00011	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	50 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
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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00005	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00001	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
.HPEGDNSP_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
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
							RDX	50 ug/mL
							Tetryl	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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	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
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..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
							PETN	200 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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_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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_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
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

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

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
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
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1000 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
..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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 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
HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
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_00002	12/12/12	06/12/12	Water, Lot NA	50 mL	HPNQTA_00009	0.1 mL	Nitroguanidine	200 ng/mL
.HPNQTA_00009	12/12/12	AccuStandard, Inc, Lot 211111014			(Purchased Reagent)		Nitroguanidine	100 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_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/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
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_00003	04/15/13	10/12/12	Water, Lot M10152012	50 mL	HPNQSP_00006	50 uL	Nitroguanidine	50 ng/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
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_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	100 uL	Nitroguanidine	100 ng/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
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_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	200 uL	Nitroguanidine	200 ng/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
HPNQL5_00004	10/05/13	04/05/13	Water, Lot M04032103	50 mL	HPNQSP_00008	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPNQTA_00002	04/15/13		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_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	500 uL	Nitroguanidine	1000 ng/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
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-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

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

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.

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A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

Received 2/28/12

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED

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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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www.ultrasci.com

William J. Leahy
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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wwww.ultrasci.com

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)

RECEIVED 2/28/12

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

JVIMS Received 12/13/11

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

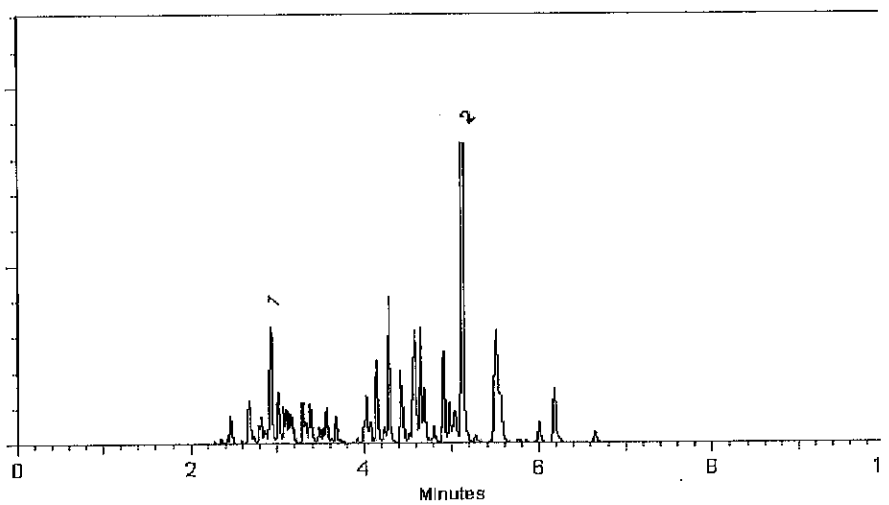
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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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%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

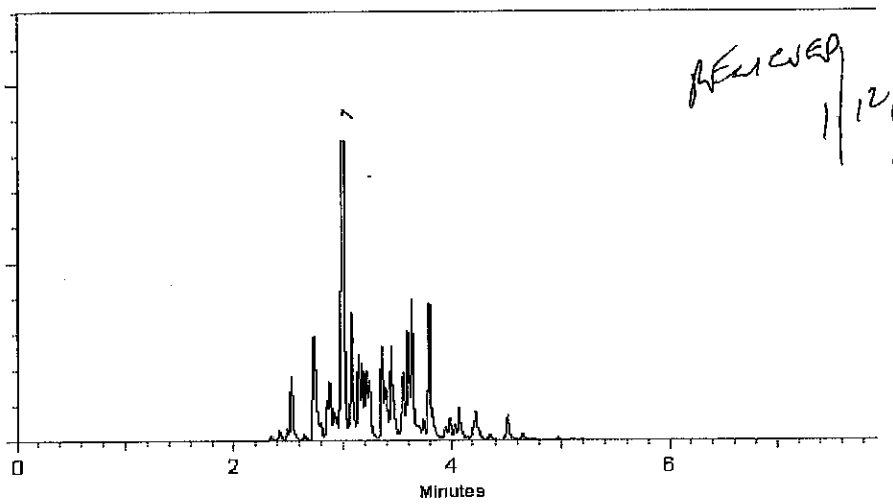
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



1 vial
RECEIVED
11/12/12
CSH

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Received 1/12/12
1 vial
L9F

Catalog No. : 32010 **Lot No.:** A082482

Description : Aroclor® 1248 Standard

PCB Mix, Aroclor 1248, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1248	12672-29-6	----%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

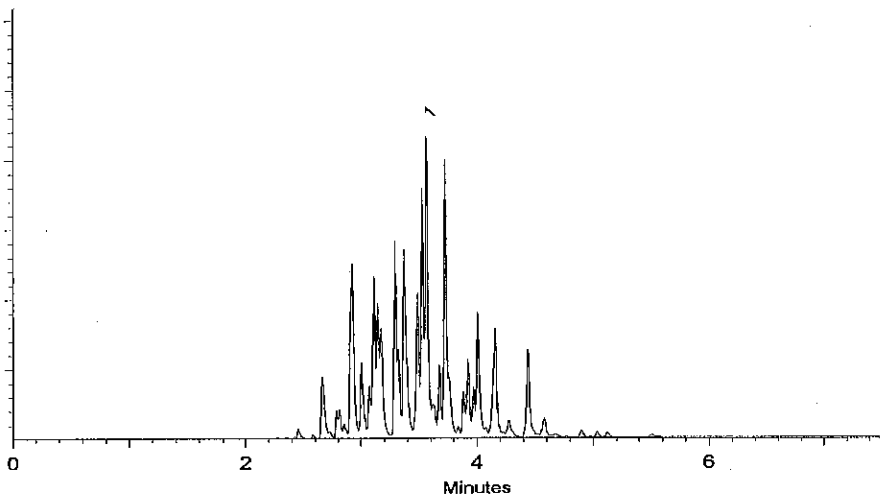
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RESTEK

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

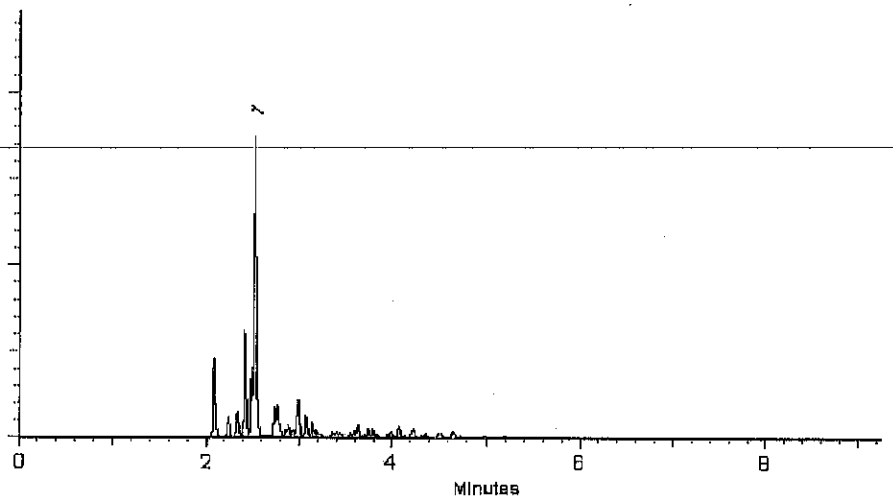
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/2/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

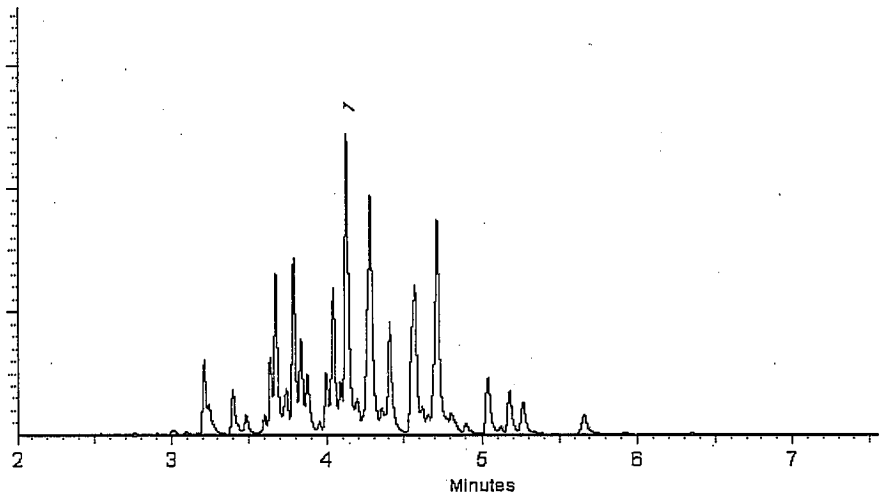
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 7/23/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

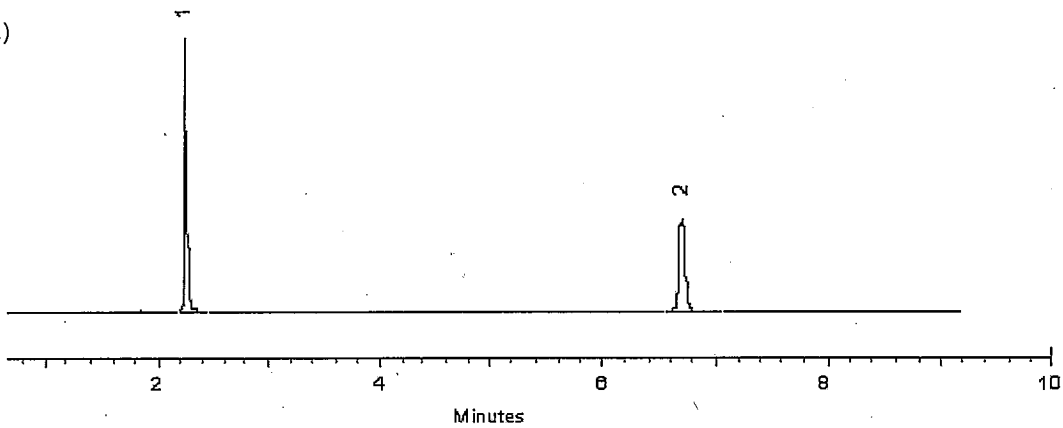
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NISTtraceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

RESTEK

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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)

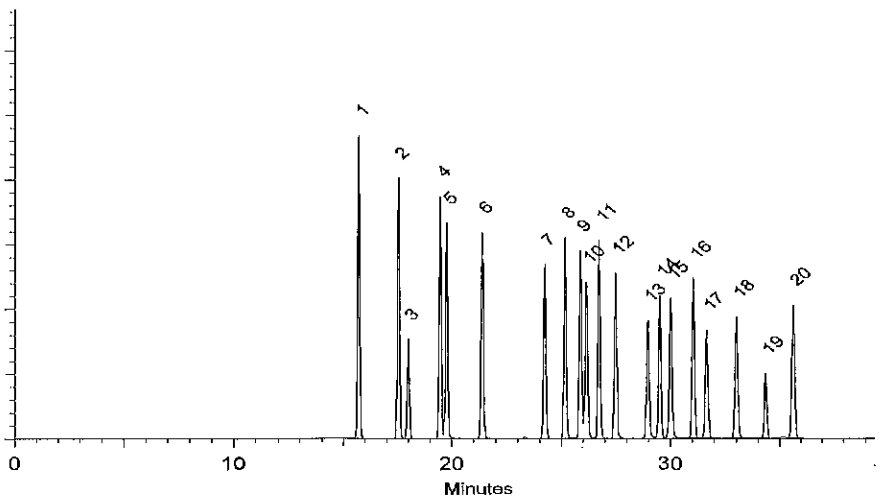
Carrier Gas:
hellium-constant pressure 20 psi.

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

Recd 12/19/12

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C **Page:** 2 of 2

Lot Number: CJ-3745 **Lot Issue Date:** 18-Oct-2012 **Expiration Date:** 30-Nov-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

methoxychlor	000072-43-5	RM04555	1005 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1069

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
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William J. Leary
Quality Assurance Manager

RESTEK

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Fax: (814)353-1309

www.Restek.com

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Certificate #3222.01

ACCREDITED
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Rec'd 7-24-12 2 vials

Catalog No. : 32074 **Lot No.:** A085642

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25ug/mL, Hexane, 1mL/ampul

Container Size : **Pkg Amt:**

Expiration Date : December 2015 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	2.0 ug/mL	+/- 0.0332	ug/mL	Gravimetric
	CAS # 877-09-8		+/- 0.0770	ug/mL	Unstressed
	Purity 98%		+/- 0.1256	ug/mL	Stressed
2	alpha-BHC	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 319-84-6		+/- 0.0385	ug/mL	Unstressed
	Purity 99%		+/- 0.0628	ug/mL	Stressed
3	gamma-BHC (Lindane)	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 58-89-9		+/- 0.0385	ug/mL	Unstressed
	Purity 99%		+/- 0.0628	ug/mL	Stressed
4	beta-BHC	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 319-85-7		+/- 0.0385	ug/mL	Unstressed
	Purity 98%		+/- 0.0628	ug/mL	Stressed
5	Endrin	5.0 ug/mL	+/- 0.0808	ug/mL	Gravimetric
	CAS # 72-20-8		+/- 0.1917	ug/mL	Unstressed
	Purity 99%		+/- 0.3135	ug/mL	Stressed
6	4,4'-DDT	10.0 ug/mL	+/- 0.1615	ug/mL	Gravimetric
	CAS # 50-29-3		+/- 0.3834	ug/mL	Unstressed
	Purity 99%		+/- 0.6269	ug/mL	Stressed
7	Methoxychlor	25.0 ug/mL	+/- 0.4032	ug/mL	Gravimetric
	CAS # 72-43-5		+/- 0.9583	ug/mL	Unstressed
	Purity 99%		+/- 1.5672	ug/mL	Stressed
8	Decachlorobiphenyl	2.0 ug/mL	+/- 0.0332	ug/mL	Gravimetric
	CAS # 2051-24-3		+/- 0.0771	ug/mL	Unstressed
	Purity 99%		+/- 0.1256	ug/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Rec'd 12-8-11 3 vials

Catalog No. : 32000 **Lot No.:** A084532

Description : Pesticide Surrogate Mix

Pesticide Mix, EPA 8080, 8081, Surrogate Std 200µg/ml, Acetone, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2019 **Storage:** 10°C or colder

Handling: This product contains PCBs.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.0 ug/mL	+/- 1.1656 ug/mL
2	Decachlorobiphenyl	2051-24-3	99%	200.0 ug/mL	+/- 1.1655 ug/mL
Solvent:	Acetone	67-64-1	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

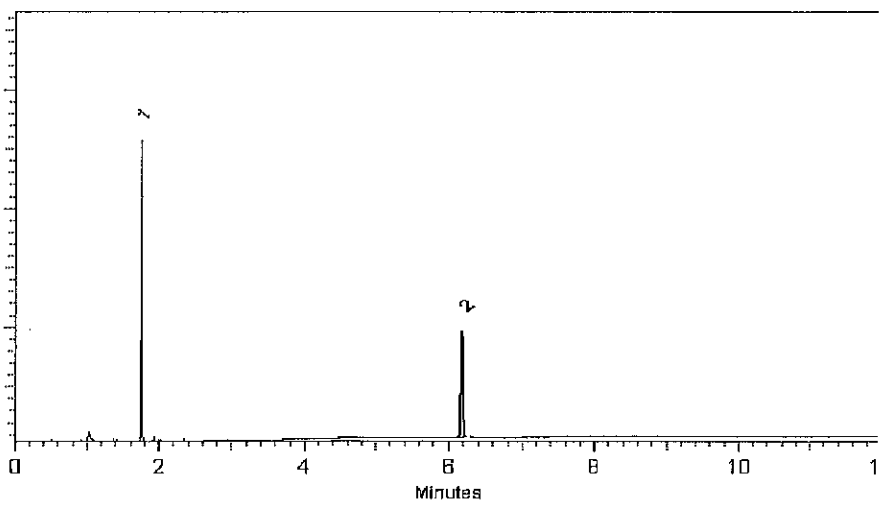
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

DESCRIPTION: Toxaphene

Rec'd 1-14-13 1vial

CATALOG NO.: 48103 MFG DATE: Dec-2012

LOT NO.: LB96954 EXPIRATION DATE: Dec-2015

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	1010	+/- 18.6	LA47407

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Duane Funk

Duane Funk
Quality Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

SMIS R_00002

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A093676

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2018 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 3855-82-1		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
2	Naphthalene-d8	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1146-65-2		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
3	Acenaphthene-d10	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 15067-26-2		+/- 92.7163	µg/mL	Unstressed
	Purity 97%		+/- 101.3771	µg/mL	Stressed
4	Phenanthrene-d10	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1517-22-2		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
5	Chrysene-d12	2,000.0 µg/mL	+/- 11.6281	µg/mL	Gravimetric
	CAS # 1719-03-5		+/- 92.7150	µg/mL	Unstressed
	Purity 98%		+/- 101.3758	µg/mL	Stressed
6	Perylene-d12	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1520-96-3		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

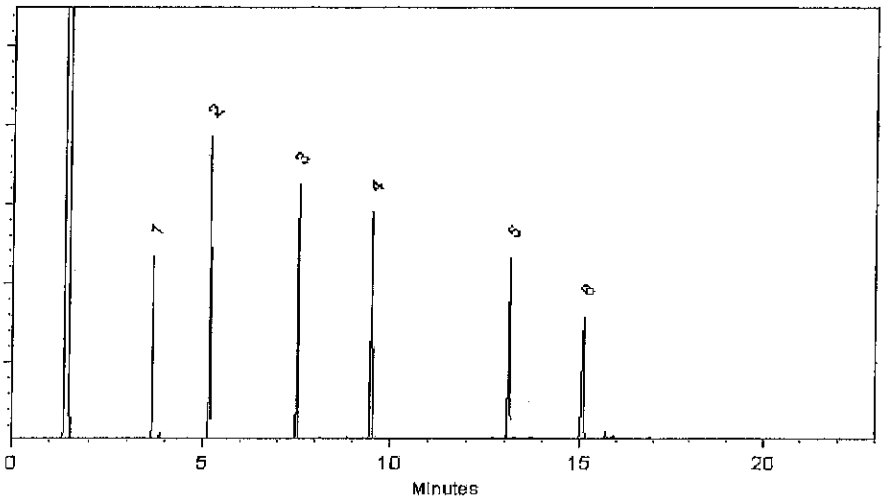
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 27-Feb-2013 Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 51 00002

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Certificate #3232.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567672 **Lot No.:** A093709

Description : 8270 List 1 / Std #1 MegaMix

8270 List 1 / Std #1 MegaMix 500-2000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
2	Pyridine **CAS #** 110-86-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
3	N-Nitrosodimethylamine **CAS #** 62-75-9 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
4	Aniline **CAS #** 62-53-3 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
5	Phenol **CAS #** 108-95-2 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
7	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
8	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
9	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed

10	1,2-Dichlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-50-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
11	Benzyl alcohol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-51-6			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
12	Bis(2-chloroisopropyl)ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 108-60-1 2,2'-oxybis(1-chloropropane)			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
13	2-Methylphenol (o-cresol)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-48-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
14	Acetophenone	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 98-86-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
15	Hexachloroethane	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 67-72-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
16	N-Nitroso-di-n-propylamine	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 621-64-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
17	4-Methylphenol (p-cresol)	500.0	µg/mL	+/-	2.9070	µg/mL	Gravimetric
	CAS # 106-44-5			+/-	4.3978	µg/mL	Unstressed
	Purity 99%			+/-	8.6943	µg/mL	Stressed
18	3-Methylphenol (m-cresol)	500.0	µg/mL	+/-	2.9070	µg/mL	Gravimetric
	CAS # 108-39-4			+/-	4.3978	µg/mL	Unstressed
	Purity 99%			+/-	8.6943	µg/mL	Stressed
19	n-Decane (C10)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 124-18-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
20	n-Octadecane (C18)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 593-45-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
21	Nitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 98-95-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
22	Isophorone	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 78-59-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
23	2-Nitrophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-75-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
24	2,4-Dimethylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 105-67-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
25	Bis(2-chloroethoxy)methane	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 111-91-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
26	2,4-Dichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-83-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
27	1,2,4-Trichlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-82-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
28	Naphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-20-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

29	4-Chloroaniline	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 106-47-8			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
30	Hexachlorobutadiene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 87-68-3			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
31	2-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-57-6			+/-	8.7957	µg/mL	Unstressed
	Purity 96%			+/-	17.3887	µg/mL	Stressed
32	4-Chloro-3-methylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 59-50-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
33	1-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 90-12-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-94-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
35	Hexachlorocyclopentadiene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 77-47-4			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
36	2,4,6-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-06-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
37	2,4,5-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-95-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
38	2-Chloronaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-58-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
39	Biphenyl	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 92-52-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
40	2-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-74-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
41	Acenaphthylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 208-96-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
42	1,3-Dinitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-65-0			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
43	Dimethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 131-11-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
44	2,6-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 606-20-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
45	Acenaphthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 83-32-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
46	3-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-09-2			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
47	2,4-Dinitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 51-28-5			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed

48	Dibenzofuran	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 132-64-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
49	2,4-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 121-14-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
50	4-Nitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-02-7			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 58-90-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
52	Fluorene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 86-73-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
53	4-Chlorophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 7005-72-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
54	Diethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-66-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
55	4-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-01-6			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
56	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 534-52-1			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
57	Azobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 103-33-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
58	4-Bromophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 101-55-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
59	Hexachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 118-74-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
60	Pentachlorophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-86-5			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
61	Phenanthrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-01-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
62	Anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-12-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
63	n-Hexadecane (C16)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 544-76-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
64	Carbazole	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 86-74-8			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
65	Di-n-butylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-74-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
66	Fluoranthene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 206-44-0			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed

67	Pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 129-00-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
68	Benzyl butyl phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-68-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
69	Benz(a)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 56-55-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
70	Chrysene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 218-01-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
71	Bis(2-ethylhexyl)phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-81-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
72	Di-n-octyl phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-84-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
73	Benzo(b)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 205-99-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
74	Benzo(k)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 207-08-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
75	Benzo(a)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 50-32-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
76	Indeno(1,2,3-cd)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 193-39-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
77	Dibenz(a,h)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 53-70-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
78	Benzo(g,h,i)perylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 191-24-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 SZ-00002

RESTEK

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567673 **Lot No.:** A093755

Description : 8270 List 1 / Std #2 Amines

8270 List 1 / Std #2 Amines 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Contains carcinogen

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	epsilon-Caprolactam	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 105-60-2		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
2	Atrazine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1912-24-9		+/- 17.5914	µg/mL	Unstressed
	Purity 98%		+/- 34.7774	µg/mL	Stressed
3	Benzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 92-87-5		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
4	3,3'-Dichlorobenzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 91-94-1		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

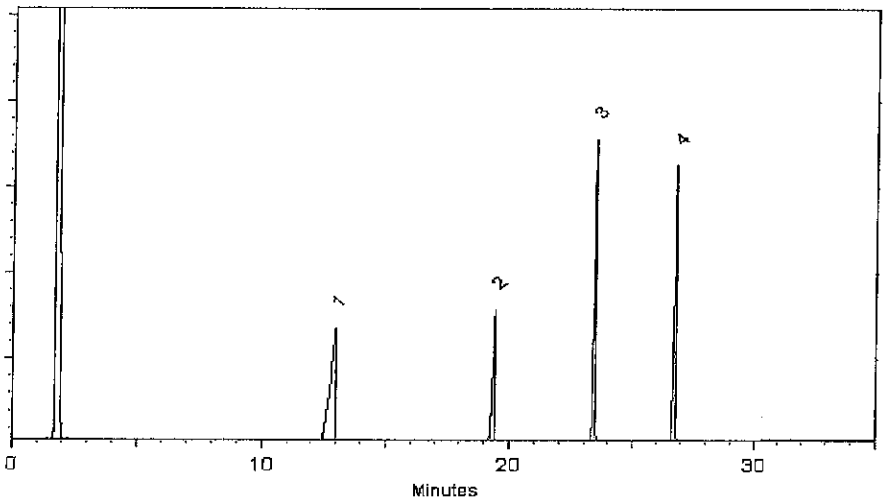
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 11-Mar-2013 Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567674 **Lot No.:** A093441

Description : 8270 List 1 / Std #3 Benzoic Acid

8270 List 1 / Std #3 Benzoic Acid 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2016 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzoic acid	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 65-85-0		+/- 96.5249	µg/mL	Unstressed
	Purity 99%		+/- 96.6077	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

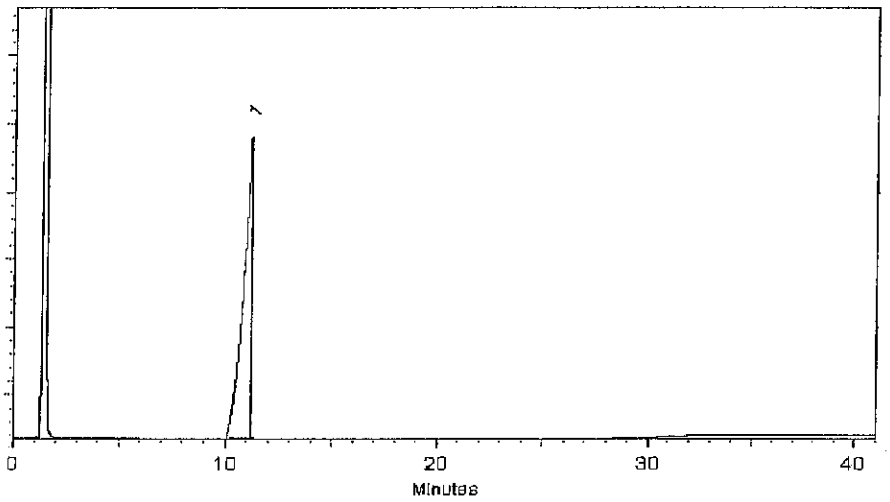
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 22-Feb-2013 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567675 **Lot No.:** A093730

Description : 8270 List 1 / Std #4 Indene

8270 List 1 / Std #4 Indene 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Indene	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 95-13-6		+/- 24.1076	µg/mL	Unstressed
	Purity 99%		+/- 27.2017	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

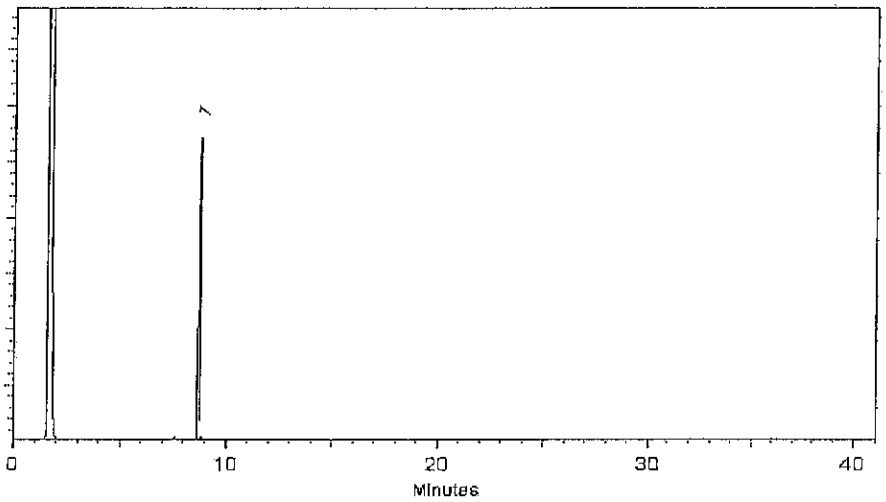
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 27-Feb-2013 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567676 **Lot No.:** A093442

Description : 8270 List 1 / Std #5 N-Nitrosodiphenylamine

8270 List 1 / Std #5 N-Nitrosodiphenylamine 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2015 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	N-Nitrosodiphenylamine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 86-30-6		+/- 17.5914	µg/mL	Unstressed
	Purity 97%		+/- 34.7774	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

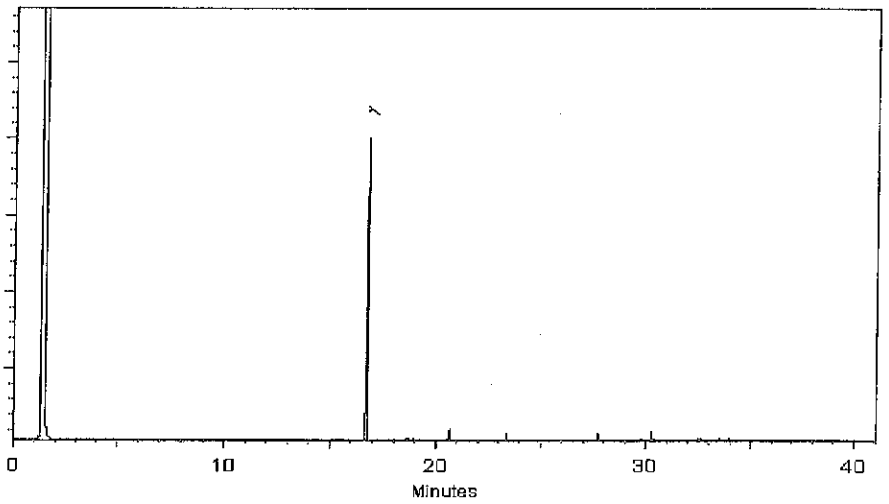
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst Date Passed: 25-Feb-2013 Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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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. : 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)

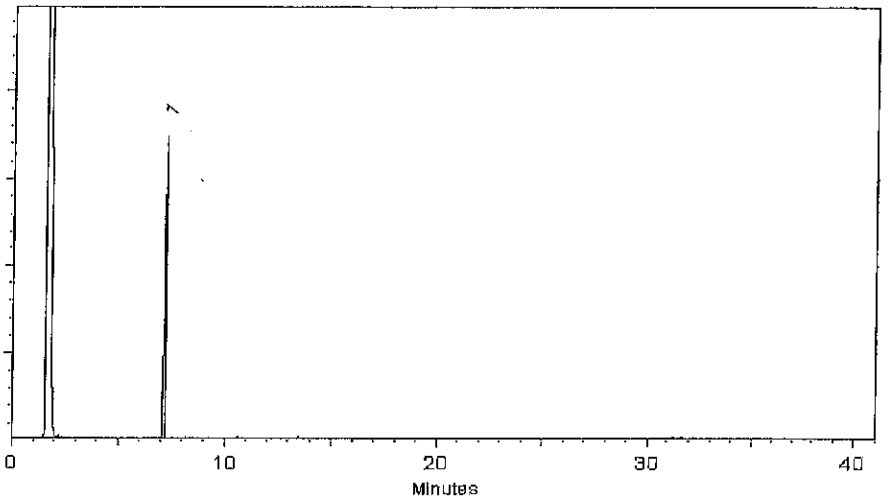
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567672.sec **Lot No.:** A094002

Description : 8270 List 1 / Std #1 MegaMix

8270 List 1 / Std #1 MegaMix 500-2000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 123-91-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
2	Pyridine	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 110-86-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
3	N-Nitrosodimethylamine	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 62-75-9.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
4	Aniline	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 62-53-3.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
5	Phenol	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 108-95-2.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 111-44-4.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
7	2-Chlorophenol	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 95-57-8.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
8	1,3-Dichlorobenzene	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 541-73-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
9	1,4-Dichlorobenzene	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 106-46-7.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed

10	1,2-Dichlorobenzene **CAS #** 95-50-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Bis(2-chloroisopropyl)ether **CAS #** 108-60-1.SEC **Purity** 72%	720.0	µg/mL	+/- +/- +/-	4.1861 6.3329 12.5198	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7.SEC **Purity** 98%	1,000.0	µg/mL	+/- +/- +/-	5.8140 8.7956 17.3885	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Acetophenone **CAS #** 98-86-2.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Hexachloroethane **CAS #** 67-72-1.SEC **Purity** 98%	1,000.0	µg/mL	+/- +/- +/-	5.8140 8.7956 17.3885	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	N-Nitroso-di-n-propylamine **CAS #** 621-64-7.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5.SEC **Purity** 99%	500.0	µg/mL	+/- +/- +/-	2.9138 4.4023 8.6966	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	3-Methylphenol (m-cresol) **CAS #** 108-39-4.SEC **Purity** 99%	500.0	µg/mL	+/- +/- +/-	2.9138 4.4023 8.6966	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	n-Decane (C10) **CAS #** 124-18-5.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	n-Octadecane (C18) **CAS #** 593-45-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Nitrobenzene **CAS #** 98-95-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Isophorone **CAS #** 78-59-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2-Nitrophenol **CAS #** 88-75-5.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
24	2,4-Dimethylphenol **CAS #** 105-67-9.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Bis(2-chloroethoxy)methane **CAS #** 111-91-1 **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	2,4-Dichlorophenol **CAS #** 120-83-2.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	1,2,4-Trichlorobenzene **CAS #** 120-82-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Naphthalene **CAS #** 91-20-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

29	4-Chloroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 106-47-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
30	Hexachlorobutadiene	1,000.0	µg/mL	+/-	5.8139	µg/mL	Gravimetric
	CAS # 87-68-3.SEC			+/-	8.7954	µg/mL	Unstressed
	Purity 97%			+/-	17.3881	µg/mL	Stressed
31	2-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-57-6.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
32	4-Chloro-3-methylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 59-50-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
33	1-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 90-12-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-94-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
35	Hexachlorocyclopentadiene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 77-47-4.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
36	2,4,6-Trichlorophenol	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 88-06-2.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
37	2,4,5-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-95-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
38	2-Chloronaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-58-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
39	Biphenyl	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 92-52-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
40	2-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-74-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
41	Acenaphthylene	1,000.0	µg/mL	+/-	5.8139	µg/mL	Gravimetric
	CAS # 208-96-8.SEC			+/-	8.7954	µg/mL	Unstressed
	Purity 97%			+/-	17.3881	µg/mL	Stressed
42	1,3-Dinitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-65-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
43	Dimethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 131-11-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
44	2,6-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 606-20-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
45	Acenaphthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 83-32-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
46	3-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-09-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
47	2,4-Dinitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 51-28-5.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed

48	Dibenzofuran	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 132-64-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
49	2,4-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 121-14-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
50	4-Nitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-02-7.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 58-90-2.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
52	Fluorene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 86-73-7.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
53	4-Chlorophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 7005-72-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
54	Diethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-66-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
55	4-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-01-6.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
56	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 534-52-1.SEC			+/-	17.5912	µg/mL	Unstressed
	Purity 98%			+/-	34.7769	µg/mL	Stressed
57	Azobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 103-33-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
58	4-Bromophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 101-55-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
59	Hexachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 118-74-1.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
60	Pentachlorophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-86-5.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
61	Phenanthrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-01-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
62	Anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-12-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
63	n-Hexadecane (C16)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 544-76-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
64	Carbazole	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 86-74-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
65	Di-n-butylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-74-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
66	Fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 206-44-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

67	Pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 129-00-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
68	Benzyl butyl phthalate	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 85-68-7.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
69	Benz(a)anthracene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 56-55-3.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
70	chrysene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 218-01-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
71	Bis(2-ethylhexyl)phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-81-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
72	Di-n-octyl phthalate	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 117-84-0.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
73	Benzo(b)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 205-99-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
74	Benzo(k)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 207-08-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
75	Benzo(a)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 50-32-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
76	Indeno(1,2,3-cd)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 193-39-5.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
77	Dibenz(a,h)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 53-70-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
78	Benzo(g,h,i)perylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 191-24-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
The Bis(2-chloroisopropyl)ether contains a 28% impurity of Propane, 1,1'oxybis,, 3-chloro.

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

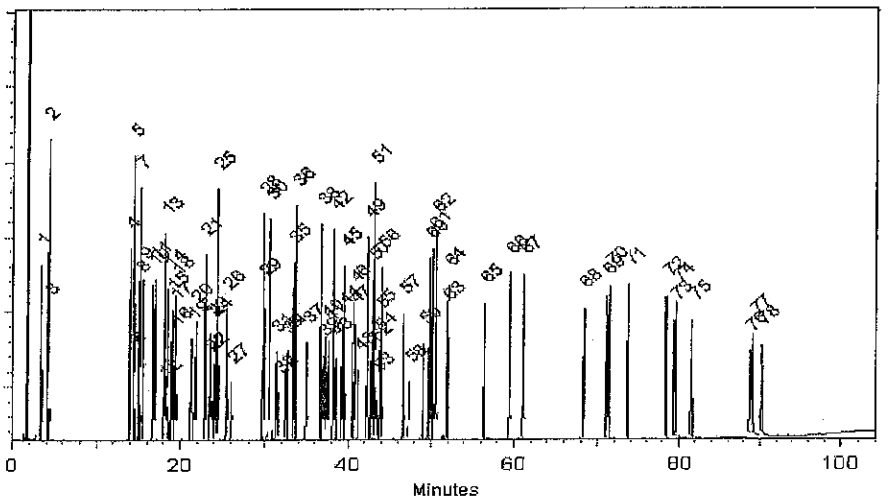
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 27-Mar-2013 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\,stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\,stability} + U^2_{shipping\,stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 55 52_00001

RESTEK

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567673.sec **Lot No.:** A093775

Description : 8270 List 1 / Std #2 Amines

8270 List 1 / Std #2 Amines 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Contains carcinogen

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	epsilon-Caprolactam	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 105-60-2.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
2	Atrazine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1912-24-9.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
3	Benzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 92-87-5.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
4	3,3'-Dichlorobenzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 91-94-1.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

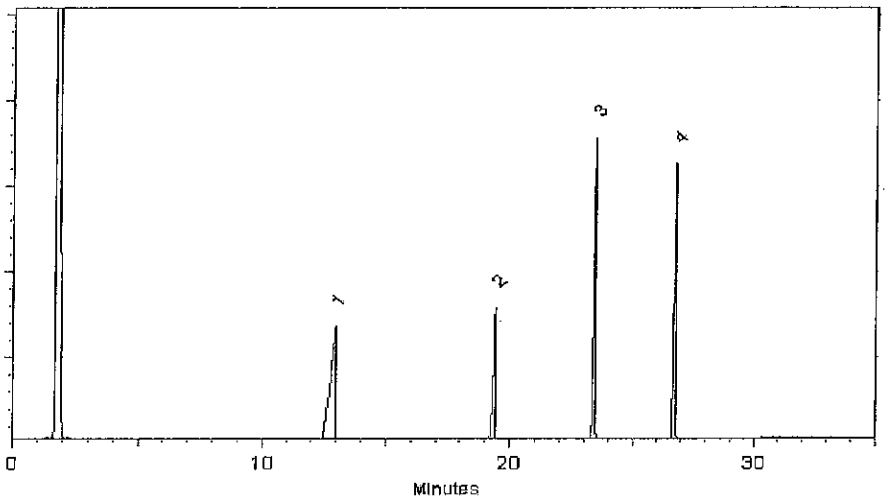
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 11-Mar-2013 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate 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)

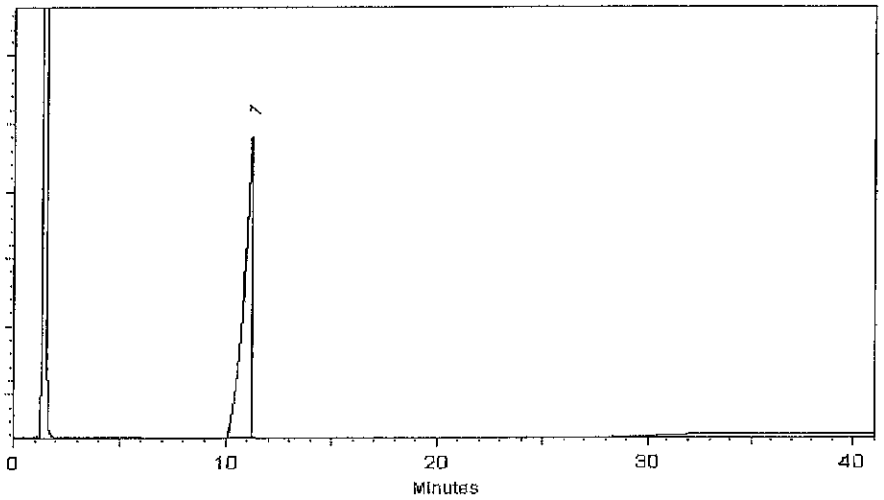
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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)

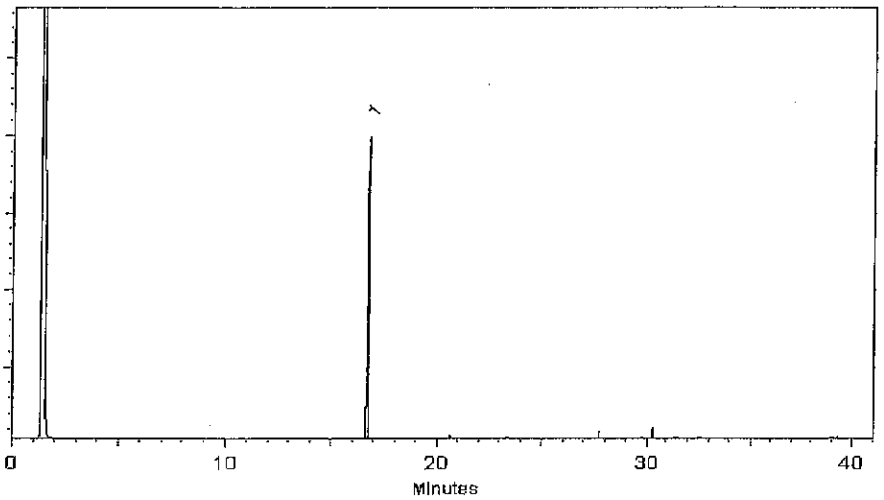
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

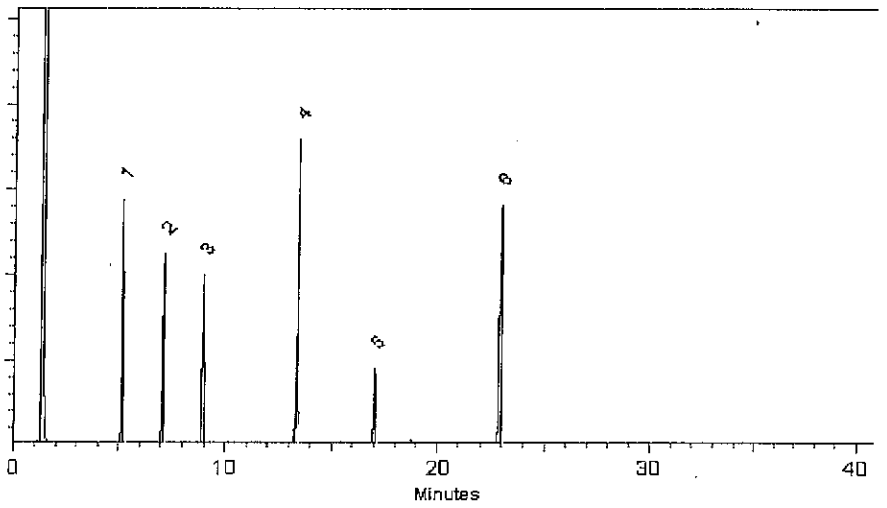
Carrier Gas:
hydrogen-constant pressure 10 psi.

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:

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Certificate #3222.02

Certificate of Composition

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A092712

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 2018 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 367-12-4		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
2	Phenol-d5	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 4165-62-2		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
3	Nitrobenzene-d5	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 4165-60-0		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
4	2-Fluorobiphenyl	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 321-60-8		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
5	2,4,6-Tribromophenol	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 118-79-6		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
6	p-Terphenyl-d14	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 1718-51-0		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

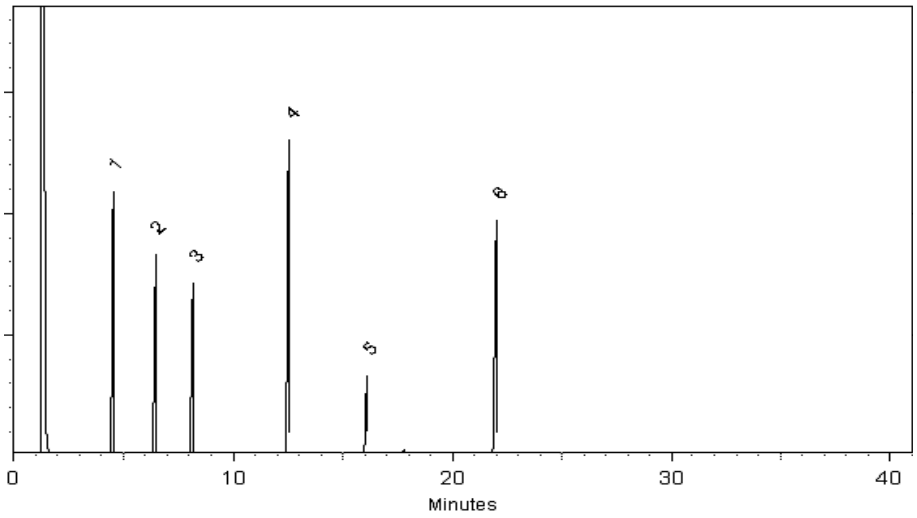
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 14-Jan-2013 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- 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:

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- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

REVIEWED
By jlidgett at 8:46 am, Jan 15, 2013

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TS

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Certificate of Analysis

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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)

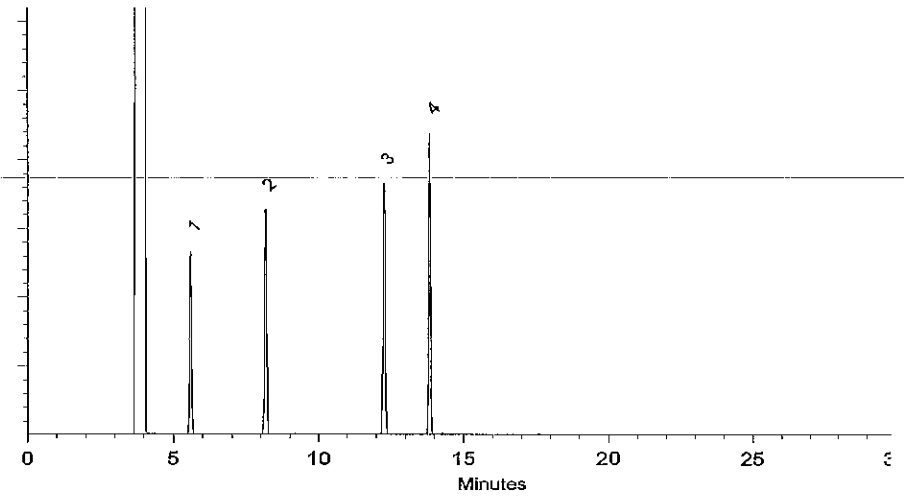
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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
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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

11/22/11 TS

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567641 **Lot No.:** A093581

Description : 8260 List 1 / Std #1 MegaMix

8260 List 1 / Std #1 MegaMix 1000-50,000 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 **Purity** 97%	1,999.9 µg/mL	+/- 11.6279 +/- 44.2519 +/- 44.4323	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 **Purity** 99%	20,000.0 µg/mL	+/- 116.2756 +/- 442.5291 +/- 444.3332	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Iodomethane (methyl iodide) **CAS #** 74-88-4 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Methyl acetate **CAS #** 79-20-9 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 +/- 221.2646 +/- 222.1666	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
8	Carbon disulfide **CAS #** 75-15-0 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Methylene chloride (dichloromethane) **CAS #** 75-09-2 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

10	Acrylonitrile	20,000.0	µg/mL	+/-	116.2756	µg/mL	Gravimetric
	CAS # 107-13-1			+/-	442.5291	µg/mL	Unstressed
	Purity 99%			+/-	444.3332	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 1634-04-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
12	cis-1,2-Dichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 156-59-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
13	n-Hexane (C6)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 110-54-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
14	1,1-Dichloroethane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 75-34-3			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
15	2,2-Dichloropropane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 594-20-7			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
16	trans-1,2-Dichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 156-60-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
17	chloroform	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 67-66-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
18	Isobutanol (2-Methyl-1-propanol)	50,000.0	µg/mL	+/-	290.6891	µg/mL	Gravimetric
	CAS # 78-83-1			+/-	1,106.3228	µg/mL	Unstressed
	Purity 99%			+/-	1,110.8331	µg/mL	Stressed
19	Bromochloromethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 74-97-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
20	Tetrahydrofuran	4,000.0	µg/mL	+/-	23.2563	µg/mL	Gravimetric
	CAS # 109-99-9			+/-	88.5061	µg/mL	Unstressed
	Purity 99%			+/-	88.8670	µg/mL	Stressed
21	1,1,1-trichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 71-55-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
22	Cyclohexane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 110-82-7			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
23	1,1-Dichloropropene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 563-58-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
24	carbon tetrachloride	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 56-23-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
25	n-Heptane (C7)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 142-82-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
26	Benzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 71-43-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
27	1,2-Dichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 107-06-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
28	Trichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-01-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

29	Methylcyclohexane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-87-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
30	1,2-Dichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 78-87-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
31	1,4-Dioxane	40,000.0	µg/mL	+/-	232.5513	µg/mL	Gravimetric
	CAS # 123-91-1			+/-	885.0582	µg/mL	Unstressed
	Purity 99%			+/-	888.6665	µg/mL	Stressed
32	Dibromomethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 74-95-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
33	bromodichloromethane	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 75-27-4			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
34	cis-1,3-Dichloropropene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 10061-01-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
35	Toluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-88-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
36	Ethyl methacrylate	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 97-63-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
37	trans-1,3-Dichloropropene	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 10061-02-6			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
38	1,1,2-Trichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-00-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
39	1,3-Dichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 142-28-9			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
40	Tetrachloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 127-18-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
41	dibromochloromethane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 124-48-1			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
42	1,2-Dibromoethane (EDB)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-93-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
43	Chlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-90-7			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
44	1,1,1,2-Tetrachloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 630-20-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
45	m-Xylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 108-38-3			+/-	22.1265	µg/mL	Unstressed
	Purity 99%			+/-	22.2167	µg/mL	Stressed
46	p-Xylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 106-42-3			+/-	22.1265	µg/mL	Unstressed
	Purity 99%			+/-	22.2167	µg/mL	Stressed
47	o-Xylene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-47-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

48	Ethylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-41-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
49	Styrene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-42-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
50	Isopropylbenzene (cumene)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 98-82-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
51	bromoform	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-25-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-34-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
53	1,2,3-Trichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 96-18-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 110-57-6			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
55	n-Propylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 103-65-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
56	Bromobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-86-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
57	1,3,5-Trimethylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-67-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
58	2-Chlorotoluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-49-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
59	4-Chlorotoluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-43-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
60	tert-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 98-06-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
61	1,2,4-Trimethylbenzene	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 95-63-6			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
62	sec-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 135-98-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
63	4-Isopropyltoluene (p-Cymene)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 99-87-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
64	1,3-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 541-73-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
65	1,4-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-46-7			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
66	n-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 104-51-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

67	1,2-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-50-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 96-12-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
69	1,2,4-Trichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 120-82-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
70	Hexachlorobutadiene	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 87-68-3			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
71	Naphthalene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 91-20-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
72	1,2,3-Trichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-61-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x .25mm x 1.4um
Rtx-502.2 (cat.#10916)

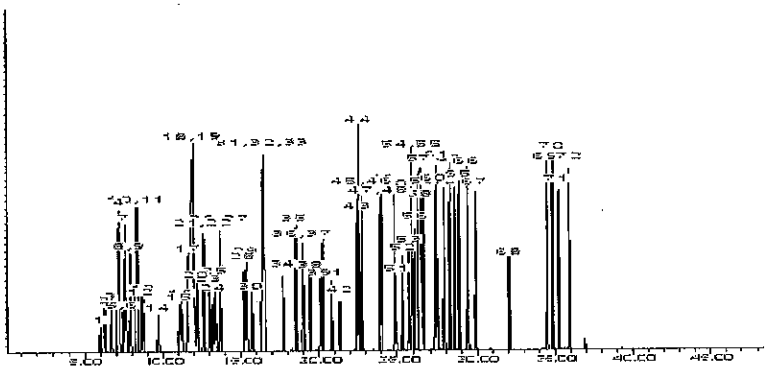
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



Jennifer L. Pollino - QC Analyst

Date Passed: 01-Mar-2013 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567642 **Lot No.:** A093365

Description : 8260 List 1 / Std #2 Ketones

8260 List 1 / Std #2 Ketones 10,000 ug/ml, P&T Methanol/Water (90:10), 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Catalog No. : 567643 **Lot No.:** A093368

Description : 8260 List 1 / Std #4 2-Chloroethylvinyl Ether

8260 List 1 / Std #4 2-Chloroethylvinyl Ether 2,000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 110-75-8		+/- 44.2531	µg/mL	Unstressed
	Purity 99%		+/- 44.4335	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

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Catalog No. : 567644 **Lot No.:** A093659

Description : 8260 List 1 / Std # 5 Acrolein

8260 List 1 / Std # 5 Acrolein 5000 ug/ml, Water, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 2013 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 107-02-8		+/- 134.3543	µg/mL	Unstressed
	Purity 99%		+/- 167.4846	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

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Catalog No. : 567645 **Lot No.:** A093341

Description : 8260 List 1 / Std #3 Gases

8260 List 1 / Std #3 Gases 2,000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2015 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dichlorodifluoromethane (CFC-12)	2,000.0 µg/mL	+/- 13.8716	µg/mL	Gravimetric
	CAS # 75-71-8		+/- 25.2661	µg/mL	Unstressed
	Purity 99%		+/- 28.2336	µg/mL	Stressed
2	Chloromethane (methyl chloride)	1,999.8 µg/mL	+/- 13.9993	µg/mL	Gravimetric
	CAS # 74-87-3		+/- 25.3348	µg/mL	Unstressed
	Purity 99%		+/- 28.2945	µg/mL	Stressed
3	Vinyl chloride	2,000.1 µg/mL	+/- 13.9625	µg/mL	Gravimetric
	CAS # 75-01-4		+/- 25.3168	µg/mL	Unstressed
	Purity 99%		+/- 28.2792	µg/mL	Stressed
4	1,3-Butadiene	2,000.0 µg/mL	+/- 13.3773	µg/mL	Gravimetric
	CAS # 106-99-0		+/- 24.9981	µg/mL	Unstressed
	Purity 99%		+/- 27.9940	µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,000.1 µg/mL	+/- 14.2856	µg/mL	Gravimetric
	CAS # 74-83-9		+/- 25.4963	µg/mL	Unstressed
	Purity 99%		+/- 28.4399	µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,000.0 µg/mL	+/- 13.2200	µg/mL	Gravimetric
	CAS # 75-00-3		+/- 24.9143	µg/mL	Unstressed
	Purity 99%		+/- 27.9191	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 13.5174	µg/mL	Gravimetric
	CAS # 75-43-4		+/- 25.0735	µg/mL	Unstressed
	Purity 99%		+/- 28.0614	µg/mL	Stressed
8	Trichlorofluoromethane (CFC-11)	1,999.9 µg/mL	+/- 13.1170	µg/mL	Gravimetric
	CAS # 75-69-4		+/- 24.8590	µg/mL	Unstressed
	Purity 99%		+/- 27.8696	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Catalog No. : 567646 **Lot No.:** A093363

Description : 8260 List 1 / Std #6 Vinyl Acetate

8260 List 1 / Std #6 Vinyl Acetate 4000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 2013 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	4,000.0 µg/mL	+/- 23.2563	µg/mL	Gravimetric
	CAS # 108-05-4		+/- 319.4759	µg/mL	Unstressed
	Purity 99%		+/- 319.6324	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

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Catalog No. : 567649 **Lot No.:** A093504

Description : 8260 Internal Standard

8260 Internal Standard 250-5,000 ug/ml, P&T Methanol, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butyl-d9-alcohol **CAS #** 25725-11-5 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 110.6323 +/- 111.0833	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Fluorobenzene **CAS #** 462-06-6 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,4-Dioxane-d8 **CAS #** 17647-74-4 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 110.6323 +/- 111.0833	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chlorobenzene-d5 **CAS #** 3114-55-4 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Rec'd 9/27/12 TB

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/-	75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/-	673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/-	78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/-	70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/-	71.4	LB80301

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
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Phone (814) 359-3441

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Rec: 1/31/13

ULTRA SCIENTIFIC
Analytical Solutions

Custom Standard

Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CK-0277 **Lot Issue Date:** 29-Jan-2013 **Expiration Date:** 31-May-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2511 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2511 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMCU5013-00009

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

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Analytical Solutions

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12/13/12
TS

Custom Standard

Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	RM04487	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	RM04128	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	RM04258	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	RM01647	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555	1004 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	RM01356	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	RM00019	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	RM05302	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	NT00436	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM01500	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	RM05587	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	RM01693	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	RM02111	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	RM02090	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104	2503 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	RM00027	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	RM00012	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Custom Standard

Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	RM02091	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM01442	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	RM00029	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	RM02562	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	RM02575	50.2 ± 0.3 µg/mL
benzene	000071-43-2	RM03830	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	RM04592	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM01443	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	RM01801	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	RM00026	50.2 ± 0.3 µg/mL
toluene	000108-88-3	RM02555	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	RM02540	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	RM01874	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	RM00783	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	RM04930	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	RM00053	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	RM02647	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	RM00052	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	RM00061	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	RM01501	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	RM00060	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	RM00009	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	RM00056	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	RM02285	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	RM02468	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	RM01802	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	RM01800	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	RM01814	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM00050	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	RM02563	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM02563	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM00063	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	RM01234	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	01104EE	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	NT00290	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	RM01866	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	RM00046	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM02088	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	RM02247	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM02567	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	RM02406	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	NT02091	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	RM04641	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	RM01880	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	RM02554	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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2/1/12
TS

Custom Standard

Product Number: CUS-8125 **Page:** 1 of 1

Lot Number: CG-3334 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2012

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	01127CO	25046 ± 125 µg/mL
dibromofluoromethane	001868-53-7	RM01021	25120 ± 126 µg/mL
1,2-dichloroethane-d4	017060-07-0	9H-136	25058 ± 125 µg/mL
toluene-d8	002037-26-5	E90P1	25096 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM CUS 8125- 00007

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Rec: 1/29/13

Custom Standard

Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CK-0228 **Lot Issue Date:** 24-Jan-2013 **Expiration Date:** 31-May-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5023 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25123 ± 126 µg/mL
acrolein	000107-02-8	RM04210	25123 ± 126 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMCUS 8634_ 00008

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Certificate of Analysis

6/11/12
TB

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-1658 **Lot Issue Date:** 09-May-2012 **Expiration Date:** 30-Jun-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2008 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2007 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544 00012

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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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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RCC'D 5-15-12

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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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Rec 31313

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

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

Custom Solution

TAPITT-CAL-SPECB

F2-MEB415032

3% HNO3(v/v), tr. HF

Sn, Ti

UNCERTAINTIES

	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
nL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
nL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

6 g/mL (measured at 20 ± 1° C)

alculation of the certified value and the uncertainty. Reported uncertainties represent expanded
the 95% confidence level using a coverage factor of k = 2.

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2
B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

INORGANIC VENTURES™
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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 **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	

6350560

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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"
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10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

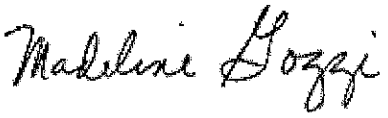
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: October 31, 2011

Expiration Date: EXPIRES 01 Dec 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Madeline Gozzi Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

Received 5/24/12 RJR

2.0 DESCRIPTION OF CRM **10000 µg/mL Calcium in 2% (v/v) HNO3**

Catalog Number:	CGCA10-1, CGCA10-2, and CGCA10-5
Lot Number:	**F2-CA04043**
Starting Material:	CaO
Starting Material Purity (%):	99.9980
Starting Material Lot No:	1635
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,025 ± 56 µg/mL - weighted mean

Certified Density: 1.039 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $2 [\Sigma(s_i)^2]^{½}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{½}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,026 ± 41 µg/mL**
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 **10,022 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.000900	M	Dy	< 0.044386	O	Li	< 0.000024	M	Pr	< 0.002219	M	Te	< 0.221932
M	Sb	< 0.003699	M	Er	< 0.036989	M	Lu	< 0.002959	M	Re	< 0.007398	M	Tb	< 0.002219
M	As	< 0.073977	M	Eu	< 0.022193	O	Mg	0.047315	M	Rh	< 0.007398	M	Tl	< 0.007398
O	Ba	0.004732	M	Gd	< 0.007398	O	Mn	< 0.000300	M	Rb	< 0.007398	M	Th	< 0.007398
O	Be	< 0.000085	M	Ga	< 0.007398	O	Hg	< 0.011000	M	Ru	< 0.014795	M	Tm	< 0.002959
M	Bi	< 0.002959	M	Ge	< 0.044386	M	Mo	< 0.014795	M	Sm	< 0.007398	M	Sn	< 0.036989
O	B	< 0.000540	M	Au	< 0.022193	M	Nd	< 0.014795	O	Sc	< 0.000020	O	Ti	< 0.005000
O	Cd	< 0.004500	M	Hf	< 0.014795	O	Ni	< 0.002300	O	Se	< 0.006200	M	W	< 0.073977
s	Ca		M	Ho	< 0.003699	M	Nb	< 0.003699	O	Si	0.013519	M	U	< 0.014795
M	Ce	< 0.036989	O	In	< 0.002000	n	Os		M	Ag	< 0.014795	O	V	< 0.000900
M	Cs	< 0.002219	M	Ir	< 0.036989	M	Pd	< 0.036989	O	Na	0.021630	M	Yb	< 0.007398
O	Cr	< 0.000800	O	Fe	< 0.001100	O	P	< 0.004800	O	Sr	0.189261	M	Y	< 0.295910
O	Co	< 0.001200	M	La	< 0.003699	M	Pt	< 0.014795	O	S	0.108149	O	Zn	< 0.000190
O	Cu	< 0.004000	M	Pb	< 0.022193	O	K	0.008111	M	Ta	< 0.051784	M	Zr	< 0.036989

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 40.078; +2; 6; Ca(H2O)6+2

Chemical Compatibility - Soluble in HCl and HNO3. Avoid H2SO4, HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO3 / LDPE container.

Ca Containing Samples (Preparation and Solution) - Metal (best dissolved in diluted HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (dry ash and dissolution in dilute HCl. Do not heat when dissolving to avoid precipitation of SiO2) .The oxide, hydroxide, carbonate, phosphate, and fluoride of calcium are soluble in % levels of HCl or HNO3. The sulfates (gypsum, anhydrite, etc.), certain silicates and complex compounds require fusion with Na2CO3 followed by HCl / water dissolution. Contamination is a very real problem when analyzing for trace levels.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 393.366 nm	0.0002 / 0.00004 µg/mL	1	ion	U, Ce
ICP-OES 396.847 nm	0.0005 / 0.00006 µg/mL	1	ion	Th
ICP-OES 422.673 nm	0.01 / 0.001 µg/mL	1	atom	Ge
ICP-MS 44 amu	1200 ppt	n/a	M+	16O212C, 28Si16O, 88Sr

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

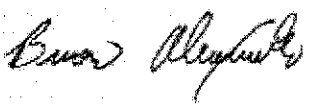
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 12, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Chromium (+3) in 2% (v/v) HNO3**

Catalog Number:	CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5
Lot Number:	**E2-CR03060**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.9958
Starting Material Lot No:	1604
Matrix:	2% (v/v) HNO3

received 11/20/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 5 µg/mL - weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**997 ± 3 µg/mL** ICP Assay NIST SRM 3112a Lot Number: 030730
	Assay Method #2	**998 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.001480	M	Dy < 0.032554	O	Li < 0.000020	M	Pr < 0.001628	M	Te < 0.162771
M	Sb < 0.002713	M	Er < 0.027128	M	Lu < 0.002170	M	Re < 0.005426	M	Tb < 0.001628
M	As < 0.054257	M	Eu < 0.016277	O	Mg < 0.000300	M	Rh < 0.005426	M	Tl < 0.005426
M	Ba < 0.054257	M	Gd < 0.005426	M	Mn < 0.021703	M	Rb < 0.005426	M	Th < 0.005426
M	Be < 0.002713	M	Ga < 0.005426	O	Hg < 0.015000	M	Ru < 0.010851	M	Tm < 0.002170
M	Bi < 0.002170	M	Ge < 0.032554	M	Mo < 0.010851	M	Sm < 0.005426	M	Sn < 0.027128
O	B < 0.010000	M	Au < 0.016277	M	Nd < 0.010851	M	Sc < 0.054257	O	Ti < 0.001000
M	Cd < 0.016277	M	Hf < 0.010851	O	Ni < 0.020000	M	Se < 0.043406	M	W < 0.054257
O	Ca 0.003885	M	Ho < 0.002713	M	Nb < 0.002713	O	Si < 0.200000	M	U < 0.010851
M	Ce < 0.027128	M	In < 0.054257	n	Os	M	Ag < 0.010851	O	V < 0.020000
M	Cs < 0.001628	M	Ir < 0.027128	M	Pd < 0.027128	O	Na 0.004625	M	Yb < 0.005426
s	Cr	O	Fe 0.022572	O	P < 0.040000	M	Sr < 0.002713	M	Y < 0.217028
M	Co < 0.016277	M	La < 0.002713	M	Pt < 0.010851	i	S	O	Zn < 0.004000
M	Cu 0.006023	M	Pb < 0.016277	O	K 0.004070	M	Ta < 0.037980	M	Zr < 0.027128

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 51.9961; +3; 6; $Cr(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cr Containing Samples (Preparation and Solution) - Metal (soluble in HCl); Oxides/Ores (Chrome ore/oxides are very difficult to dissolve. The following procedures [A-D] are commonly used:

A. Fusion with $KHSO_4$ and extraction with hot KCl. The residue fused with Na_2CO_3 and $KClO_3$, 3:1.
B. Fusion with $NaKSO_4$ and NaF, 2:1.
C. Fusion with magnesia or lime and sodium or potassium carbonates, 4:1.
D. Fusion with Na_2O_2 or NaOH and KNO_3 or NaOH and Na_2O_2.

Nickel, iron, copper, or silver crucibles should be used for **D**. Platinum may be used for **A, B and C**);
Organic Matrices (Ash at 450EC followed by one of the fusion methods above or sulfuric/hydrogen peroxide acid digestions may be applicable to non oxide containing samples) .

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 205.552 nm	0.006 / 0.0008 µg/mL	1	ion	Os
ICP-OES 284.325 nm	0.008 / 0.0007 µg/mL	1	ion	
ICP-OES 276.654 nm	0.01 / 0.001 µg/mL	1	ion	Cu, Ta, V
ICP-MS 52 amu	40 ppt	n/a	M+	36S16O, 36Ar16O - The 50Cr, 53Cr, 54Cr lines suffer from many more potential interferences from sulfur, chlorine and argon compounds of oxygen, nitrogen and carbon.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

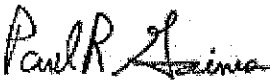
11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 13, 2012
Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

635057

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Copper in 3% (v/v) HNO3**

Catalog Number:	CGCU1-1, CGCU1-2, and CGCU1-5
Lot Number:	**E2-CU02130**
Starting Material:	Cu shot
Starting Material Purity (%):	100.0000
Starting Material Lot No:	1612
Matrix:	3% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,002 ± 5 µg/mL - weighted mean

Certified Density: 1.016 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**1,001 ± 3 µg/mL** ICP Assay NIST SRM 3114 Lot Number: 011017
	Assay Method #2	**1,003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000900	M Dy < 0.059973	O Li < 0.000020	M Pr < 0.002999	M Te < 0.299865
M Sb < 0.004998	M Er < 0.049978	M Lu < 0.003998	M Re < 0.009996	M Tb < 0.002999
M As < 0.099955	M Eu < 0.029987	O Mg < 0.000030	M Rh < 0.009996	M Tl < 0.009996
M Ba < 0.099955	M Gd < 0.009996	O Mn < 0.000200	M Rb < 0.009996	M Th < 0.009996
M Be < 0.004998	M Ga < 0.009996	O Hg < 0.015000	M Ru < 0.019991	M Tm < 0.003998
M Bi < 0.003998	M Ge < 0.059973	M Mo < 0.019991	M Sm < 0.009996	O Sn < 0.004000
M B < 0.699685	M Au < 0.029987	M Nd < 0.019991	M Sc < 0.099955	M Ti < 0.499775
M Cd < 0.029987	M Hf < 0.019991	O Ni < 0.003000	M Se < 0.079964	M W < 0.099955
O Ca 0.000040	M Ho < 0.004998	M Nb < 0.004998	O Si < 0.003400	M U < 0.019991
M Ce < 0.049978	M In < 0.099955	n Os	M Ag < 0.019991	O V < 0.003000
M Cs < 0.002999	M Ir < 0.049978	M Pd < 0.049978	O Na 0.000060	M Yb < 0.009996
M Cr < 0.049978	O Fe < 0.001100	O P < 0.002600	M Sr < 0.004998	M Y < 0.399820
M Co < 0.029987	M La < 0.004998	M Pt < 0.019991	n S	O Zn < 0.010000
s Cu	O Pb < 0.010000	O K < 0.001800	M Ta < 0.069969	M Zr < 0.049978

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 63.546; +2; 6; $Cu(H_2O)_6^{2+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cu Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO_3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 324.754 nm	0.06/.001 µg/mL		atom	Nb, U, Th, Mo, Hf
ICP-OES 224.700 nm	0.01/.001µg/mL	1	ion	Pb, Ir, Ni, W
ICP-OES 219.958 nm	0.01/.002 µg/mL	1	atom	Th, Ta, Nb, U, Hf
ICP-MS 63 amu	10 ppt	n/a	M+	40Ar23Na 47Ti16O, 14N12C37Cl, 16O12C35Cl, 23Na40Ca

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 18, 2011

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

#424660

INORGANIC VENTURES™
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inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 663.01 ACCREDITED Reference Material Producer Certificate 663.02

Ron Rowland
RECEIVED
5/29/12

2.0 DESCRIPTION OF CRM **10000 µg/mL Iron in 5% (v/v) HNO3**

Catalog Number:	CGFE10-1, CGFE10-2, and CGFE10-5
Lot Number:	**E2-FE03145**
Starting Material:	Fe powder
Starting Material Purity (%):	99.9983
Starting Material Lot No:	1618
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,032 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,023 ± 38 µg/mL**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,052 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.002700	M Dy < 0.039911	O Li < 0.000030	M Pr < 0.001996	M Te < 0.199556
M Sb < 0.003326	M Er < 0.033259	M Lu < 0.002661	M Re < 0.006652	M Tb < 0.001996
M As < 0.066519	M Eu < 0.019956	O Mg < 0.000060	M Rh < 0.006652	M Tl < 0.006652
O Ba < 0.000100	M Gd < 0.006652	O Mn 0.054322	M Rb < 0.006652	M Th < 0.006652
O Be < 0.000050	M Ga < 0.006652	O Hg < 0.011000	M Ru < 0.013304	M Tm < 0.002661
M Bi < 0.002661	i Ge	M Mo < 0.013304	M Sm < 0.006652	M Sn < 0.033259
O B < 0.020000	M Au < 0.019956	M Nd < 0.013304	M Sc < 0.066519	M Ti < 0.332594
M Cd < 0.019956	M Hf < 0.013304	O Ni 0.055831	M Se < 0.053215	M W < 0.066519
O Ca 0.004527	M Ho < 0.003326	M Nb < 0.003326	O Si < 0.010000	M U < 0.013304
M Ce < 0.033259	M In < 0.066519	n Os	M Ag < 0.013304	M V < 0.013304
M Cs < 0.001996	M Ir < 0.033259	M Pd < 0.033259	O Na 0.004678	M Yb < 0.006652
M Cr < 0.033259	s Fe	i P	M Sr < 0.003326	M Y < 0.266075
O Co 0.057340	M La < 0.003326	M Pt < 0.013304	i S	M Zn < 0.133038
M Cu < 0.039911	M Pb < 0.019956	O K < 0.001700	M Ta < 0.046563	M Zr < 0.033259

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 55.847; +3; 6; $Fe(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4 ,HF and H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Fe Containing Samples (Preparation and Solution) - Metal (Soluble in HCl); Oxides (If the oxide has been at a high temperature then Na_2CO_3 fusion in Pt0 followed by HCl dissolution otherwise dissolve in dilute HCl); Ores (See Oxides above using only the fusion approach).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 238.204 nm	0.005 / 0.001 µg/mL	1	ion	Ru, Co
ICP-OES 239.562 nm	0.005 / 0.001 µg/mL	1	ion	Co, W, Cr
ICP-OES 259.940 nm	0.006 / 0.001 µg/mL	1	ion	Hf, Nb
ICP-MS 56 amu	970 ppt	n/a	M+	40Ar15N1H, 40Ar16O, 36Ar17O1H , 38Ar18O, 37Cl18O1H, 40Ca16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

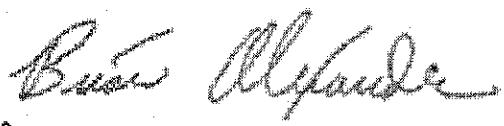
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 16, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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.

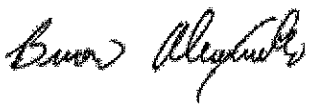
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations 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	

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300 Technology Drive
Christiansburg, VA 24073 · USA
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CERTIFICATE OF ANALYSIS

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fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED
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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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300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 540.585.3030
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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Sodium in 2% (v/v) HNO3**

Catalog Number:	CGNA10-1, CGNA10-2, and CGNA10-5
Lot Number:	**E2-NA03095**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.9994
Starting Material Lot No:	C18157
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,986 ± 55 µg/mL - weighted mean

Certified Density: 1.033 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,983 ± 39 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **9,998 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.002434	M	Dy	< 0.051831	O	Li	< 0.000030	M	Pr	< 0.002592	M	Te	< 0.259157
M	Sb	< 0.004319	M	Er	< 0.043193	M	Lu	< 0.003455	M	Re	< 0.008639	M	Tb	< 0.002592
M	As	< 0.086386	M	Eu	< 0.025916	O	Mg	0.003361	M	Rh	< 0.008639	M	Tl	< 0.008639
O	Ba	0.001043	M	Gd	< 0.008639	O	Mn	< 0.000030	M	Rb	< 0.008639	M	Th	< 0.008639
O	Be	< 0.000200	M	Ga	< 0.008639	O	Hg	< 0.015000	M	Ru	< 0.017277	M	Tm	< 0.003455
M	Bi	< 0.003455	O	Ge	< 0.001500	M	Mo	< 0.017277	M	Sm	< 0.008639	M	Sn	< 0.043193
O	B	< 0.000600	M	Au	< 0.025916	M	Nd	< 0.017277	O	Sc	< 0.000020	O	Ti	< 0.000700
M	Cd	< 0.025916	M	Hf	< 0.017277	O	Ni	< 0.002300	O	Se	< 0.050000	M	W	< 0.086386
O	Ca	0.026656	M	Ho	< 0.004319	M	Nb	< 0.004319	O	Si	0.008113	M	U	< 0.017277
M	Ce	< 0.043193	M	In	< 0.086386	n	Os		M	Ag	< 0.017277	O	V	< 0.000900
M	Cs	< 0.002592	M	Ir	< 0.043193	M	Pd	< 0.043193	S	Na		M	Yb	< 0.008639
M	Cr	< 0.043193	O	Fe	< 0.001100	O	P	< 0.040000	O	Sr	0.000174	M	Y	< 0.345543
M	Co	< 0.025916	M	La	< 0.004319	M	Pt	< 0.017277	O	S	< 0.072000	O	Zn	0.000116
O	Cu	< 0.001400	M	Pb	< 0.025916	O	K	0.023179	M	Ta	< 0.060470	M	Zr	< 0.043193

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of “working reference samples”
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 22.98977; +1; (6); Na+(aq) largely ionic in nature (Coordination Number in parentheses is assumed, not certain.)

Chemical Compatibility - Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Na Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Lithium carbonate fusion in graphite crucible followed by HCl dissolution - blank levels of Na in lithium carbonate critical); Organic Matrices (Sulfuric / peroxide digestion or nitric/sulfuric/perchloric acid decomposition).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 589.595 nm	0.07 / 0.00009 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 588.995 nm	0.03 / 0.006 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 330.237 nm	2.0 / 0.09 µg/mL	1	atom	Pd, Zn
ICP-MS 23 amu	310 ppt	n/a	M+	46Ti+2 , 46Ca+2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: December 12, 2011

Expiration Date:

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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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 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 $(\bar{x}) = \frac{\sum x_i}{n}$

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** **1,002 ± 3 µg/mL**
ICP Assay NIST SRM 3136 Lot Number: 000612

Assay Method #2 **1,003 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.003000	M	Dy	< 0.070404	O	Li	< 0.000020	M	Pr	< 0.003520	M	Te	< 0.352022
M	Sb	< 0.005867	M	Er	< 0.058670	M	Lu	< 0.004694	M	Re	< 0.011734	M	Tb	< 0.003520
O	As	< 0.005400	M	Eu	< 0.035202	O	Mg	0.000033	M	Rh	< 0.011734	M	Tl	< 0.011734
M	Ba	< 0.117341	M	Gd	< 0.011734	M	Mn	< 0.046936	M	Rb	< 0.011734	M	Th	< 0.011734
O	Be	< 0.002000	M	Ga	< 0.011734	O	Hg	< 0.011000	M	Ru	< 0.023468	M	Tm	< 0.004694
M	Bi	< 0.004694	M	Ge	< 0.070404	M	Mo	< 0.023468	M	Sm	< 0.011734	M	Sn	< 0.058670
O	B	< 0.009900	M	Au	< 0.035202	M	Nd	< 0.023468	M	Sc	< 0.117341	M	Ti	< 0.586704
M	Cd	< 0.035202	M	Hf	< 0.023468	s	Ni		O	Se	< 0.006000	M	W	< 0.117341
O	Ca	0.000327	M	Ho	< 0.005867	M	Nb	< 0.005867	O	Si	< 0.003400	M	U	< 0.023468
M	Ce	< 0.058670	M	In	< 0.117341	n	Os		M	Ag	< 0.023468	M	V	< 0.023468
M	Cs	< 0.003520	M	Ir	< 0.058670	M	Pd	< 0.058670	O	Na	0.000435	M	Yb	< 0.011734
M	Cr	< 0.058670	O	Fe	0.000762	O	P	< 0.100000	M	Sr	< 0.005867	M	Y	< 0.469363
O	Co	< 0.002000	M	La	< 0.005867	M	Pt	< 0.023468	O	S	< 0.025000	M	Zn	< 0.234682
M	Cu	< 0.070404	M	Pb	< 0.035202	O	K	0.000163	M	Ta	< 0.082139	M	Zr	< 0.058670

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 58.69; +2; 6; Ni(H2O)62+

Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Ni Containing Samples (Preparation and Solution) - Metal (Soluble in HNO3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 221.647 nm	0.01 / 0.0009 µg/mL	1	ion	Si
ICP-OES 232.003 nm	0.02 / 0.006 µg/mL	1	atom	Cr, Re, Os, Nb, Ag, Pt, Fe
ICP-OES 231.604 nm	0.02 / 0.002 µg/mL	1	ion	Sb, Ta, Co
ICP-MS 60 amu	100 ppt	n/a	M+	43Ca16O1H , 44Ca16O, 23Na37Cl

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

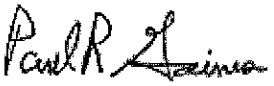
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0	**DESCRIPTION OF CRM**	**1000 µg/mL Lead in 0.5% (v/v) HNO3**
	Catalog Number:	CGPB1-1, CGPB1-2, and CGPB1-5
	Lot Number:	**F2-PB03035**
	Starting Material:	Pb(NO3)2
	Starting Material Purity (%):	99.9998
	Starting Material Lot No:	1717
	Matrix:	0.5% (v/v) HNO3

Received 4/17/12

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 5 µg/mL - weighted mean

Certified Density: 1.002 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	Assay Method #1	**1,000 ± 3 µg/mL** ICP Assay NIST SRM 3128 Lot Number: 101026
	Assay Method #2	**1,002 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.000477	M	Dy	< 0.017590	O	Li	0.000136	M	Pr	< 0.000880	M	Te	< 0.087952
M	Sb	< 0.001466	M	Er	< 0.014659	M	Lu	< 0.001173	M	Re	< 0.002932	M	Tb	< 0.000880
M	As	< 0.029317	M	Eu	< 0.008795	O	Mg	0.000102	O	Rh	< 0.009000	O	Tl	< 0.022000
O	Ba	0.000545	M	Gd	< 0.002932	M	Mn	< 0.011727	M	Rb	< 0.002932	M	Th	< 0.002932
M	Be	< 0.001466	M	Ga	< 0.002932	O	Hg	< 0.015000	M	Ru	< 0.005863	M	Tm	< 0.001173
O	Bi	< 0.020000	M	Ge	< 0.017590	M	Mo	< 0.005863	M	Sm	< 0.002932	M	Sn	< 0.014659
O	B	< 0.040000	M	Au	< 0.008795	M	Nd	< 0.005863	M	Sc	< 0.029317	M	Ti	< 0.146587
M	Cd	< 0.008795	M	Hf	< 0.005863	O	Ni	< 0.003000	M	Se	< 0.023454	M	W	< 0.029317
O	Ca	0.000682	M	Ho	< 0.001466	M	Nb	< 0.001466	O	Si	< 0.003400	M	U	< 0.005863
M	Ce	< 0.014659	M	In	< 0.029317	n	Os		M	Ag	< 0.005863	M	V	< 0.005863
M	Cs	< 0.000880	M	Ir	< 0.014659	M	Pd	< 0.014659	O	Na	< 0.006000	M	Yb	< 0.002932
M	Cr	< 0.014659	O	Fe	0.000545	O	P	< 0.005000	O	Sr	0.000204	M	Y	< 0.117270
M	Co	< 0.008795	M	La	< 0.001466	M	Pt	< 0.005863	O	S	< 0.100000	O	Zn	< 0.000200
M	Cu	< 0.017590	s	Pb		O	K	< 0.001800	M	Ta	< 0.020522	M	Zr	< 0.014659

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 207.2; +2; 6; $Pb(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, HF and HNO_3. Avoid H_2SO_4. Stable with most metals and inorganic anions forming insoluble carbonate, borate, sulfate, sulfite, sulfide, phosphate, oxalate, chromate, tannate, iodate, and cyanide in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO_3 / LDPE container.

Pb Containing Samples (Preparation and Solution) - Metal (Best dissolved in 1:1 H_2O / HNO_3); Oxides (The many different Pb oxides are soluble in HNO_3 with the exception of PbO_2 which is soluble in HCl or HF); Ores and Alloys (Best attacked using 1:1 H_2O / HNO_3); Organic Matrices (Dry ash and dissolve in dilute HCl.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 168.215 nm	0.03 / 0.003 µg/mL	1	ion	Co
ICP-OES 220.353 nm	0.04 / 0.006 µg/mL	1	ion	Bi, Nb
ICP-OES 217.000 nm	0.09 / 0.03 µg/mL	1	atom	W, Ir, Hf, Sb, Th
ICP-MS 208 amu	5 ppt	n/a	M+	192Pt16O, 192Os16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Zinc in 2% (v/v) HNO3**

Catalog Number:	CGZN1-1, CGZN1-2, and CGZN1-5
Lot Number:	**F2-ZN02075**
Starting Material:	Zn shot
Starting Material Purity (%):	99.9999
Starting Material Lot No:	1676 1677
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,000 ± 5 µg/mL - weighted mean

Certified Density: 1.007 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 **1,001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.007000	M Dy < 0.031427	O Li < 0.000030	M Pr < 0.001571	M Te < 0.157134
M Sb < 0.002619	M Er < 0.026189	M Lu < 0.002095	M Re < 0.005238	M Tb < 0.001571
M As < 0.052378	M Eu < 0.015713	M Mg 0.000330	M Rh < 0.005238	M Tl 0.000020
M Ba < 0.052378	M Gd < 0.005238	O Mn < 0.000300	M Rb < 0.005238	M Th < 0.005238
M Be < 0.002619	M Ga < 0.005238	O Hg < 0.010000	M Ru < 0.010476	M Tm < 0.002095
M Bi < 0.002095	M Ge < 0.031427	M Mo < 0.010476	M Sm < 0.005238	M Sn < 0.026189
O B < 0.001000	M Au < 0.015713	M Nd < 0.010476	M Sc < 0.052378	M Ti < 0.261891
M Cd < 0.015713	M Hf < 0.010476	O Ni < 0.000900	M Se < 0.041903	M W < 0.052378
O Ca 0.000134	M Ho < 0.002619	M Nb < 0.002619	O Si < 0.004000	M U < 0.010476
M Ce < 0.026189	M In < 0.052378	n Os	M Ag < 0.010476	M V < 0.010476
M Cs < 0.001571	M Ir < 0.026189	M Pd < 0.026189	O Na 0.000153	M Yb < 0.005238
O Cr < 0.001000	O Fe < 0.001000	O P < 0.003000	M Sr < 0.002619	M Y < 0.209513
M Co < 0.015713	M La < 0.002619	M Pt < 0.010476	O S < 0.020000	s Zn
O Cu < 0.000500	M Pb < 0.015713	O K < 0.003000	M Ta < 0.036665	M Zr < 0.026189

M - Checked by ICP-MS O - Checked by ICP-OES I - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± °4C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 65.39; +2; 4; Zn(OH)(aq)1+

Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4 Avoid basic media that promotes the formation of insoluble carbonate and hydroxide. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Zn Containing Samples (Preparation and Solution) - Metal (Soluble in HNO3); Oxides (Soluble in HCl); Ores (Dissolve in HCl /HNO3); Organic based (Dry ash at 450EC and dissolve ash in HCl) (Sulfuric/peroxide acid digestion)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 213.856 nm	0.002 / 0.0004 µg/mL	1	atom	Ni, Cu, V
ICP-OES 202.548 nm	0.004 / 0.0002 µg/mL	1	ion	Nb, Cu, Co, Hf
ICP-OES 206.200 nm	0.006 / 0.0006 µg/mL	1	ion	Sb, Ta, Bi, Os
ICP-MS 66 amu	7 ppt	n/a	M+	50Ti16O,50Cr16O, 50V16O, 34S16O2, 32S16O18O, 32S17O2, 33S16O17O, 32S34S, 33S2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 13, 2012

Expiration Date: EXPIRES: 01 Dec 2013*

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

Reference Materials Producer
Cert #2495.01

SPEXertificate®

Certificate of Reference Material

Chemical Testing
Cert #2495.02

Catalog Number: ZCAL-60-250 **Lot No.** 17-147CR

Description: Custom Claritas Standard

Matrix: 5% HNO_3 / Tr. Tart. Acid / Tr. HF

This CLARITAS PPT® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for inorganic spectroscopic instrumentation such as ICP-OES, DCP, AA, ICP-MS, and XRF. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

The CRM is prepared from high purity single element concentrates of individual elements using Class A laboratory ware to give precise concentrations.

Instrumental Analysis by ICP Spectrometer:

Analyte	Labeled	Uncertainty	SRM	Analyte	Labeled	Uncertainty	SRM
Ca	1000 mg/L	±5 mg/L	3109a*	Co	2 mg/L	±0.01 mg/L	3113*
K	1000 mg/L	±5 mg/L	3141a*	Cr	2 mg/L	±0.01 mg/L	3112a*
Mg	1000 mg/L	±5 mg/L	3131a*	Cu	2 mg/L	±0.01 mg/L	3114*
Na	1000 mg/L	±5 mg/L	3152a*	Mo	2 mg/L	±0.01 mg/L	3134*
Fe	500 mg/L	±3 mg/L	3126a*	Ni	2 mg/L	±0.01 mg/L	3136*
Si	100 mg/L	±0.5 mg/L	3150*	Pb	2 mg/L	±0.01 mg/L	3128*
Al	10 mg/L	±0.05 mg/L	3101a*	Sb	2 mg/L	±0.01 mg/L	3102a*
Mn	10 mg/L	±0.05 mg/L	3132*	Se	2 mg/L	±0.01 mg/L	3149*
Ag	2 mg/L	±0.01 mg/L	3151*	Sn	2 mg/L	±0.01 mg/L	3161a*
As	2 mg/L	±0.01 mg/L	3103a*	Sr	2 mg/L	±0.01 mg/L	3153a*
B	2 mg/L	±0.01 mg/L	3107*	Tl	2 mg/L	±0.01 mg/L	3162a*
Ba	2 mg/L	±0.01 mg/L	3104a*	Tl	2 mg/L	±0.01 mg/L	3158*
Be	2 mg/L	±0.01 mg/L	3105a*	V	2 mg/L	±0.01 mg/L	3165*
Cd	2 mg/L	±0.01 mg/L	3108*	Zn	2 mg/L	±0.01 mg/L	3168a*

* - indicates NIST SRM † - indicates SPEX CertiPrep CRM (when NIST SRM is not available)

SPEX CertiPrep Reference Multi: Lot# ALL8

Trace Metallic Impurities in the Actual Solution via ICP/ICP-MS Analysis:

Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L
Au	<0.7	Ga	<3	Ir	20	Pd	<2	Sc	<1	Tm	<0.1
Bi	6	Gd	<0.01	La	1	Pr	<0.05	Sm	<0.4	U	<0.2
Ce	1	Ge	<6	Li	<30	Pt	<1	Ta	20	W	<7
Cs	<0.3	Hf	0.2	Lu	<0.05	Rb	40	Tb	0.1	Y	0.4
Dy	<0.2	Hg	<4	Nb	2	Re	<0.4	Te	<6	Yb	<0.3
Er	<0.2	Ho	<0.1	Nd	<0.2	Rh	<0.8	Th	0.4	Zr	<50
Eu	<0.1	In	<6	P	<400	Ru	<0.8				

Balances are calibrated regularly with weight sets traceable to NIST#s 32856, 32867 and others. This CRM is guaranteed stable and accurate to ±0.5% of the labeled value. This includes uncertainty components due to preparation, measurement, homogeneity, short-term and long-term stability, as well as transpiration loss. This guarantee is valid for a period of one year from the date of certification only when the material is kept tightly closed and stored under ambient laboratory conditions.

Date of Certification: DEC 2012 Certifying Officer:

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Rec 3B13

CERTIFICATE OF ANALYSIS

773262

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **Custom Solution**

Catalog No.: TAPITT-MSICSAB-1

Lot Number: **F2-MEB415033**

Matrix: 3% HNO3(v/v)

10 µg/mL ea:
Ba, Be, Pb, Sr, Tl, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721
Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706
V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

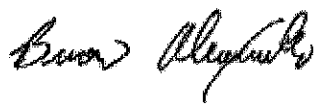
Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician



Certificate Approved By: Brian Alexander
PhD., Technical Process Director



Certifying Officer: Paul Gaines
PhD., Senior Technical Director



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Rec 3B13

CERTIFICATE OF ANALYSIS

773263

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: TAPITT-MSICSAB-2

Lot Number: **G2-MEB467043**

Matrix: 3% HNO3(v/v), tr. HF

250 µg/mL ea:
Si,

50 µg/mL ea:
Sn,

25 µg/mL ea:
B, Se,

10 µg/mL ea:
Sb

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.00 ± 0.06 µg/mL	Boron, B	24.98 ± 0.17 µg/mL	Selenium, Se	25.01 ± 0.21 µg/mL
Silicon, Si	249.9 ± 1.6 µg/mL	Tin, Sn	50.04 ± 0.36 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

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 01APR2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **G2-MEB455121**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.1 ± 1.3 µg/mL	Arsenic, As	4.001 ± 0.026 µg/mL	Barium, Ba	200.0 ± 1.3 µg/mL
Beryllium, Be	5.001 ± 0.028 µg/mL	Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	5.001 ± 0.032 µg/mL
Chromium+3, Cr3	20.01 ± 0.13 µg/mL	Cobalt, Co	50.02 ± 0.33 µg/mL	Copper, Cu	25.00 ± 0.17 µg/mL
Iron, Fe	100.0 ± 0.6 µg/mL	Lead, Pb	2.000 ± 0.013 µg/mL	Manganese, Mn	50.01 ± 0.32 µg/mL
Nickel, Ni	50.01 ± 0.33 µg/mL	Selenium, Se	1.001 ± 0.007 µg/mL	Silver, Ag	5.001 ± 0.032 µg/mL
Strontium, Sr	100.0 ± 0.6 µg/mL	Thallium, Tl	5.001 ± 0.032 µg/mL	Vanadium, V	50.00 ± 0.35 µg/mL
Zinc, Zn	50.00 ± 0.33 µg/mL				

Certified Density: 1.005 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{\frac{1}{2}}$

2 = the coverage factor.

$[\Sigma(s_i)^2]^{\frac{1}{2}}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
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

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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** 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 $(\overline{x}) = \frac{\Sigma x_i}{n}$ ($\overline{x}$) = 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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tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
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CERTIFICATE OF ANALYSIS

CH 2/14/13

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-A

Lot Number: **G2-MEB458093**

Matrix: 3% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Calcium, Ca	5,000 ± 35 µg/mL	Magnesium, Mg	5,000 ± 33 µg/mL	Potassium, K	5,000 ± 37 µg/mL
Sodium, Na	5,000 ± 34 µg/mL				

Certified Density: 1.073 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
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- Reference Materials Production - Accredited A2LA Certificate Number 883.02

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- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

Page 582 of 2607

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 01, 2013

Expiration Date: EXPIRES 01 MAR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Zach Saunders
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

CH 2/14/13

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ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-C

Lot Number: **G2-MEB458094**

Matrix: 3% HNO3(v/v), tr. HF

1,000 µg/mL ea:
Si,

200 µg/mL ea:
Sn,

100 µg/mL ea:
Mo, Ti,

50 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	50.02 ± 0.38 µg/mL	Molybdenum, Mo	100.0 ± 0.7 µg/mL	Silicon, Si	1,000 ± 7 µg/mL
Tin, Sn	200.0 ± 1.4 µg/mL	Titanium, Ti	100.1 ± 0.7 µg/mL		

Certified Density: 1.020 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	ICP Assay	3162a	060808				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

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- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: 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)

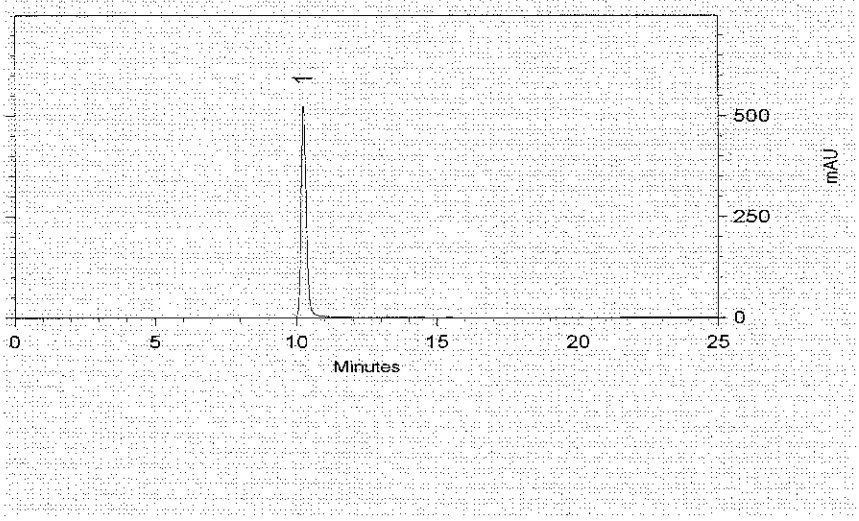
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer

Diane Shaffer - QAA Analyst

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.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31661 **Lot No.:** A085338

Description : 3,5-Dinitroaniline Standard

SV Stock Solution, 3,5-Dinitroaniline Std, 1000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

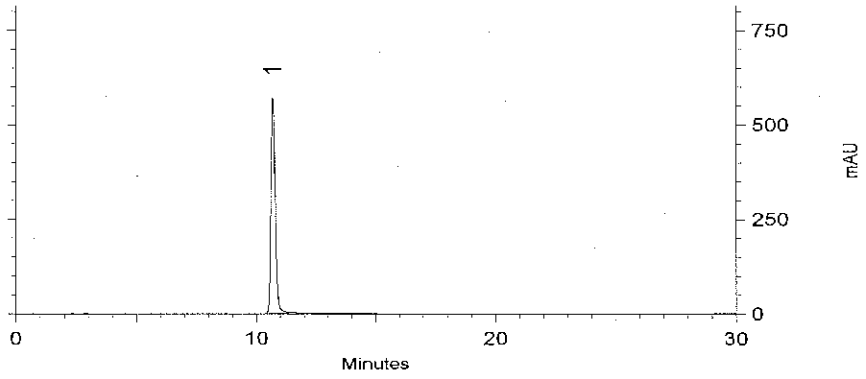
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 02-Dec-2011 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Rcvd 8/28/17 RM

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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)

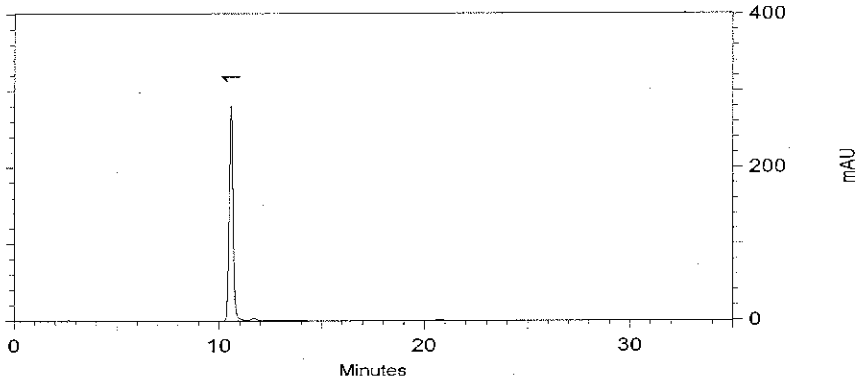
Flow Rate:
1.0 ml/min.

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
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)

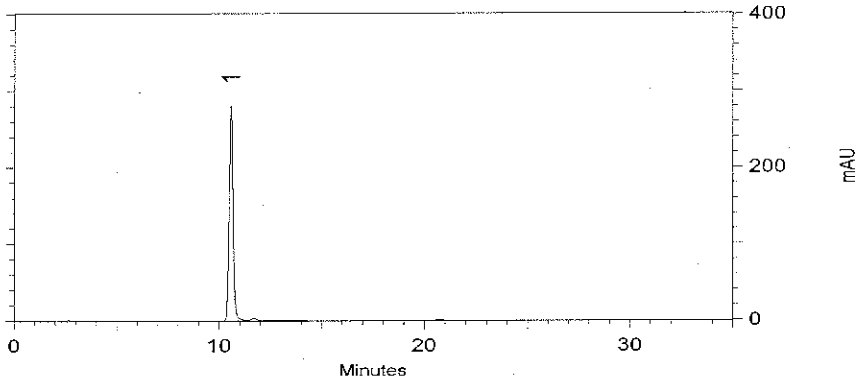
Flow Rate:
1.0 ml/min.

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:

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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)

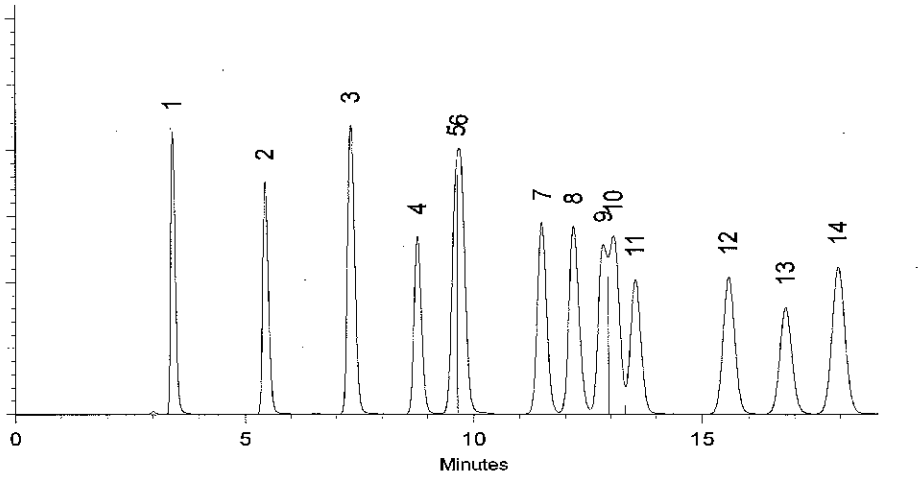
Flow Rate:
1.0 ml/min.

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%

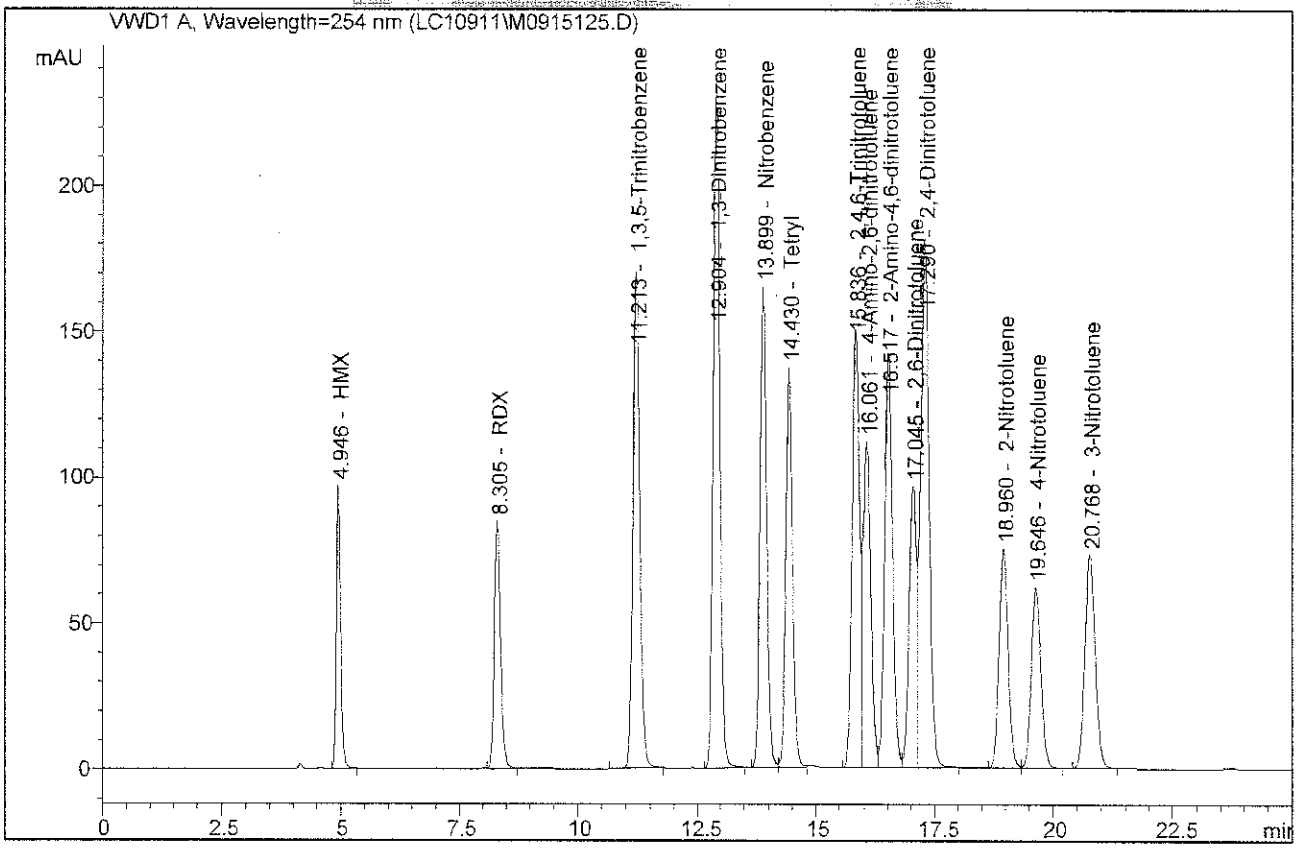
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. 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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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)

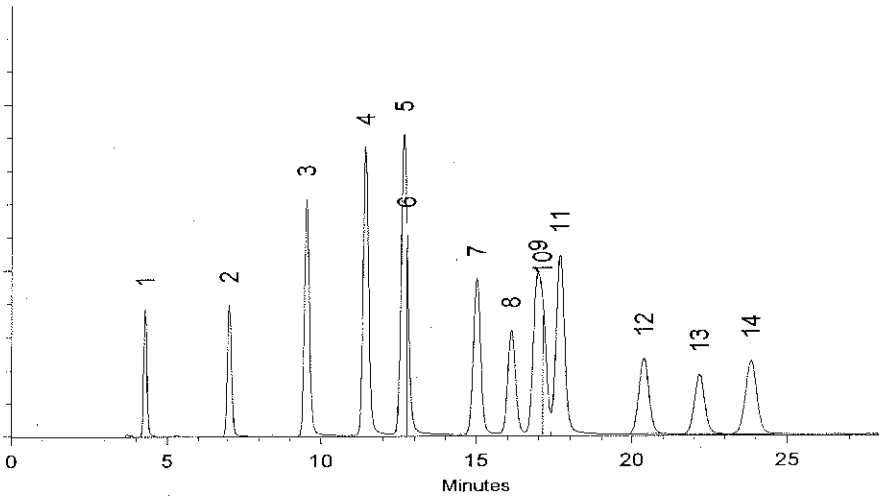
Flow Rate:
1.0 ml/min.

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

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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)

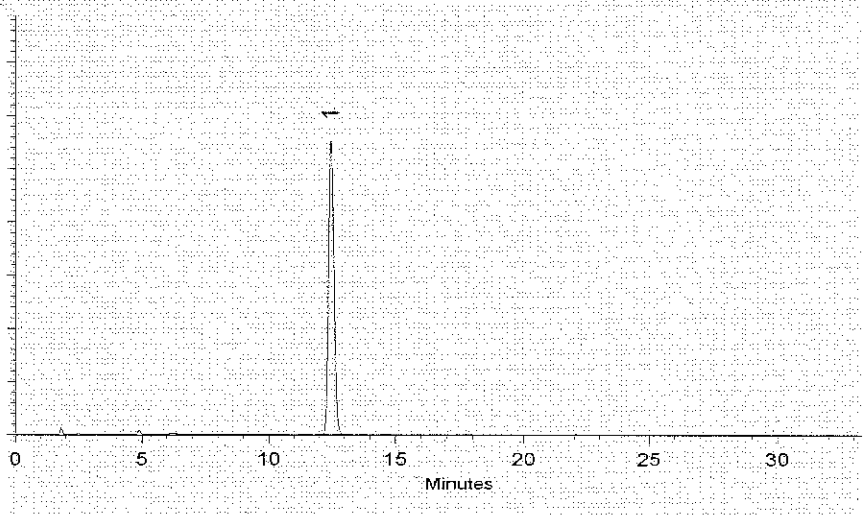
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Recd 11/27/12

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ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 31498 **Lot No.:** A087039

Description : Nitroglycerin Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Nitroglycerin	1,000.0 ug/mL	+/- 5.8686	ug/mL	Gravimetric
	CAS # 55-63-0		+/- 32.1907	ug/mL	Unstressed
	Purity 99%		+/- 44.7599	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Recd 11/27/12

HPNQTA-00001

5

1.0

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

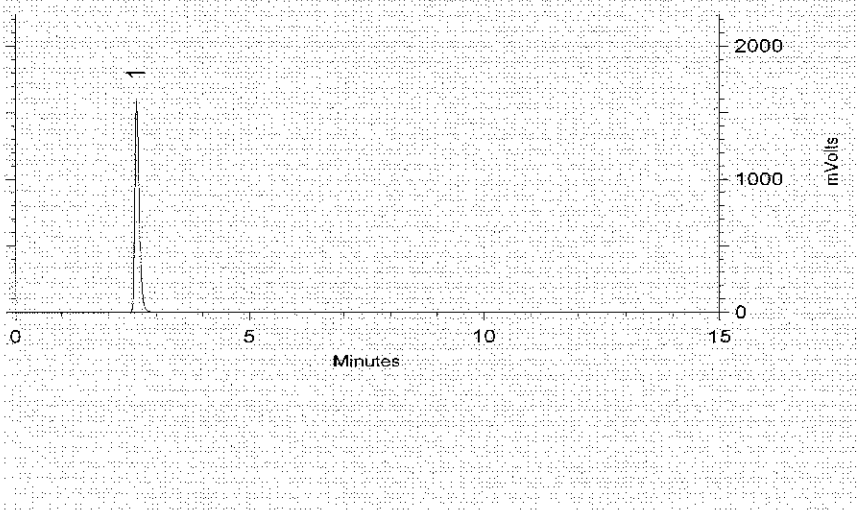
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer
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

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.
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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

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Certificate of Analysis

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Bellefonte, PA 16823-8812
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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)

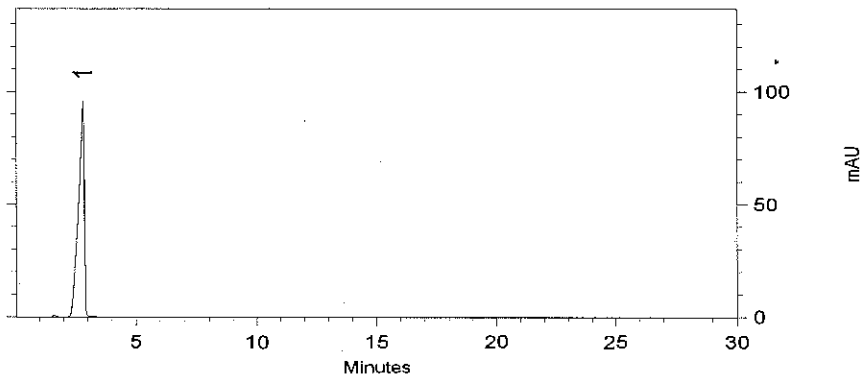
Flow Rate:
1.0 ml/min.

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

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Fax: (814)353-1309

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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)

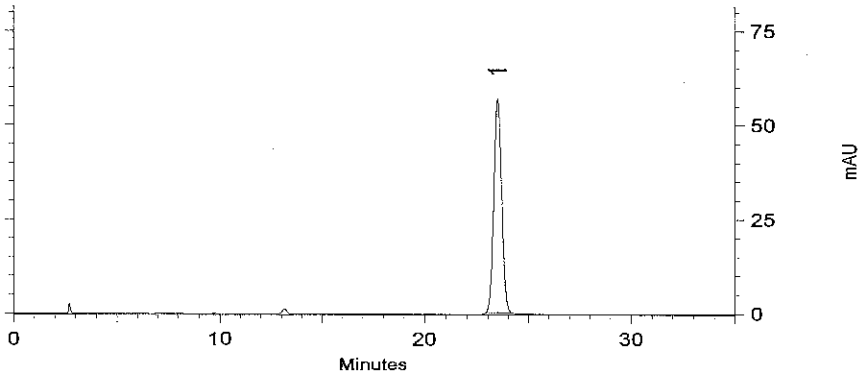
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Rcvd 8/28/12/RM

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)

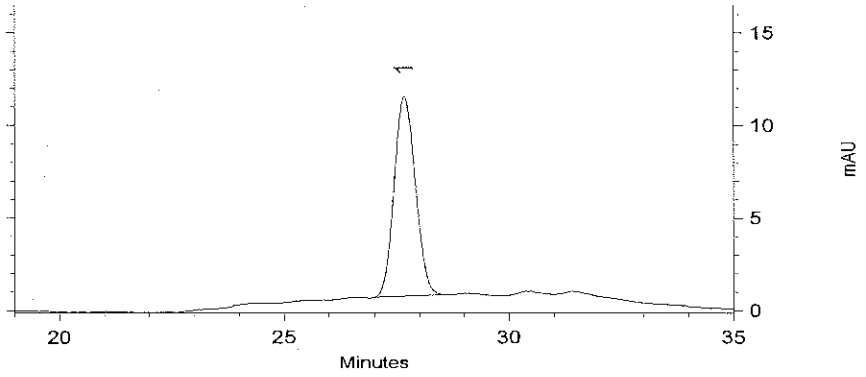
Flow Rate:
1.0 ml/min.

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.

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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.

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22488-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	US Fish & Wildlife	Federal		LE94312A-1
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica Sacramento	Alaska (UST)	State Program	10	UST-055
TestAmerica Sacramento	Arizona	State Program	9	AZ0708
TestAmerica Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica Sacramento	California	NELAP	9	1119CA
TestAmerica Sacramento	Colorado	State Program	8	N/A
TestAmerica Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica Sacramento	Florida	NELAP	4	E87570
TestAmerica Sacramento	Guam	State Program	9	N/A
TestAmerica Sacramento	Hawaii	State Program	9	N/A
TestAmerica Sacramento	Illinois	NELAP	5	200060
TestAmerica Sacramento	Kansas	NELAP	7	E-10375
TestAmerica Sacramento	Louisiana	NELAP	6	30612
TestAmerica Sacramento	Michigan	State Program	5	9947

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22488-1

Laboratory	Authority	Program	EPA Region	Certification ID
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.: 240-22488-1

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 240-80302/5	91	99	99	97
	MRL 240-80302/31	91	103	98	92
	MRL 240-80388/5	91	96	99	94
	MRL 240-80388/32	90	100	93	92

	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
079SB-0130M-0001-SO	240-22488-5	91	107	101	98
079SB-0132M-0001-SO	240-22488-7	84	97	94	94
079SB-0136M-0001-SO	240-22488-11	84	102	92	88
079SB-0144M-0001-SO	240-22488-18	63	76	71 Q	58 Q
079SS-0053M-0001-SO	240-22488-23	89	110	114	124 Q
	MB 240-80302/7	90	103	98	97
	MB 240-80388/7	87	97	94	92
	LCS 240-80302/6	87	89	86	85
	LCS 240-80388/6	99	100	98	98

	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.: 240-22488-1

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.: 240-22488-1

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 #
TRIP BLANK	240-22488-25	95	93	87	77
	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141706.D

Lab ID: LCS 240-80302/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2-Butanone (MEK)	100	99.1	99	30-160	
Acetone	100	110	110	20-160	
Benzene	50.0	45.2	90	75-125	
Bromoform	50.0	40.0	80	55-135	
Bromomethane	50.0	43.5	87	30-160	
Carbon disulfide	50.0	41.6	83	45-160	
Carbon tetrachloride	50.0	46.0	92	65-135	
1,1-Dichloroethane	50.0	45.1	90	75-125	
Chlorobenzene	50.0	43.1	86	75-125	
1,2-Dichloroethane	50.0	45.4	91	70-135	
Chloromethane	50.0	43.2	86	50-130	
1,1-Dichloroethene	50.0	48.5	97	65-135	
cis-1,3-Dichloropropene	50.0	40.0	80	70-125	
Dibromochloromethane	50.0	38.8	78	65-130	
1,2-Dichloropropane	50.0	45.5	91	70-120	
Bromodichloromethane	50.0	38.4	77	70-130	
Ethylbenzene	50.0	44.6	89	75-125	
2-Hexanone	100	93.4	93	45-145	
Methylene Chloride	50.0	47.1	94	55-140	
4-Methyl-2-pentanone (MIBK)	100	96.2	96	45-145	
Styrene	50.0	45.2	90	75-125	
1,1,2,2-Tetrachloroethane	50.0	48.8	98	55-130	
Tetrachloroethene	50.0	45.2	90	65-140	
Toluene	50.0	44.4	89	70-125	
Chloroform	50.0	46.0	92	70-125	
trans-1,3-Dichloropropene	50.0	40.7	81	65-125	
1,1,1-Trichloroethane	50.0	46.8	94	70-135	
Bromochloromethane	50.0	46.8	94	70-125	
1,1,2-Trichloroethane	50.0	46.2	92	60-125	
Trichloroethene	50.0	43.3	87	75-125	
Vinyl chloride	50.0	45.0	90	60-125	
Chloroethane	50.0	46.7	93	40-155	
Xylenes, Total	150	132	88	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141737.D

Lab ID: LCS 240-80388/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2-Butanone (MEK)	100	101	101	30-160	
Acetone	100	109	109	20-160	
Benzene	50.0	51.3	103	75-125	
Bromoform	50.0	44.2	88	55-135	
Bromomethane	50.0	51.1	102	30-160	
Carbon disulfide	50.0	45.9	92	45-160	
Carbon tetrachloride	50.0	52.1	104	65-135	
1,1-Dichloroethane	50.0	51.6	103	75-125	
Chlorobenzene	50.0	49.8	100	75-125	
1,2-Dichloroethane	50.0	51.0	102	70-135	
Chloromethane	50.0	48.6	97	50-130	
1,1-Dichloroethene	50.0	54.7	109	65-135	
cis-1,3-Dichloropropene	50.0	46.2	92	70-125	
Dibromochloromethane	50.0	44.2	88	65-130	
1,2-Dichloropropane	50.0	52.1	104	70-120	
Bromodichloromethane	50.0	44.0	88	70-130	
Ethylbenzene	50.0	51.3	103	75-125	
2-Hexanone	100	98.0	98	45-145	
Methylene Chloride	50.0	51.0	102	55-140	
4-Methyl-2-pentanone (MIBK)	100	100	100	45-145	
Styrene	50.0	52.2	104	75-125	
1,1,2,2-Tetrachloroethane	50.0	54.4	109	55-130	
Tetrachloroethene	50.0	52.4	105	65-140	
Toluene	50.0	50.9	102	70-125	
Chloroform	50.0	52.7	105	70-125	
trans-1,3-Dichloropropene	50.0	46.6	93	65-125	
1,1,1-Trichloroethane	50.0	53.9	108	70-135	
Bromochloromethane	50.0	52.0	104	70-125	
1,1,2-Trichloroethane	50.0	51.5	103	60-125	
Trichloroethene	50.0	49.2	98	75-125	
Vinyl chloride	50.0	51.1	102	60-125	
Chloroethane	50.0	56.1	112	40-155	
Xylenes, Total	150	155	104	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR3282.D

Lab ID: LCS 240-81013/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2-Butanone (MEK)	20.0	20.0	100	30-150	
Acetone	20.0	15.5	78	40-140	
Benzene	10.0	9.89	99	80-120	
Bromoform	10.0	10.7	107	70-130	
Bromomethane	10.0	6.68	67	30-145	
Carbon disulfide	10.0	9.29	93	35-160	
Carbon tetrachloride	10.0	9.52	95	65-140	
1,1-Dichloroethane	10.0	9.63	96	70-135	
Chlorobenzene	10.0	9.72	97	80-120	
1,2-Dichloroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	9.84	98	40-125	
1,1-Dichloroethene	10.0	9.25	92	70-130	
cis-1,3-Dichloropropene	10.0	9.36	94	70-130	
Dibromochloromethane	10.0	10.6	106	60-135	
1,2-Dichloropropane	10.0	9.98	100	75-125	
Bromodichloromethane	10.0	10.6	106	75-120	
Ethylbenzene	10.0	9.51	95	75-125	
2-Hexanone	20.0	21.2	106	55-130	
Methyl tert-butyl ether	10.0	10.2	102	65-125	
Methylene Chloride	10.0	9.88	99	55-140	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
Styrene	10.0	10.1	101	65-135	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	65-130	
Tetrachloroethene	10.0	9.51	95	45-150	
Toluene	10.0	9.42	94	75-120	
Chloroform	10.0	9.60	96	65-135	
trans-1,3-Dichloropropene	10.0	9.71	97	55-140	
1,1,1-Trichloroethane	10.0	9.36	94	65-130	
Bromochloromethane	10.0	10.0	100	65-130	
1,1,2-Trichloroethane	10.0	10.3	103	75-125	
Trichloroethene	10.0	10.2	102	70-125	
Vinyl chloride	10.0	9.88	99	50-145	
Chloroethane	10.0	8.71	87	60-135	
Xylenes, Total	30.0	29.4	98	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141705.D

Lab ID: MRL 240-80302/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00833 J	83	70-130	
Acetone	0.0100	0.0129	129	70-130	
Benzene	0.00500	0.00449	90	70-130	
Bromoform	0.00500	0.00535	107	70-130	
Bromomethane	0.00500	0.00550	110	70-130	
Carbon disulfide	0.00500	0.00561	112	70-130	
Carbon tetrachloride	0.00500	0.00357	71	70-130	
1,1-Dichloroethane	0.00500	0.00432	86	70-130	
Chlorobenzene	0.00500	0.00439	88	70-130	
1,2-Dichloroethane	0.00500	0.00457	91	70-130	
Chloromethane	0.00500	0.00508	102	70-130	
1,1-Dichloroethene	0.00500	0.00432	86	70-130	
cis-1,3-Dichloropropene	0.00500	0.00382	76	70-130	
Dibromochloromethane	0.00500	0.00576	115	70-130	
1,2-Dichloropropane	0.00500	0.00461	92	70-130	
Bromodichloromethane	0.00500	0.00379	76	70-130	
Ethylbenzene	0.00500	0.00465	93	70-130	
2-Hexanone	0.0100	0.00795 J	80	70-130	
Methylene Chloride	0.00500	0.00939	188	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00813 J	81	70-130	
Styrene	0.00500	0.00411	82	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00425	85	70-130	
Tetrachloroethene	0.00500	0.00465	93	70-130	
Toluene	0.00500	0.00461	92	70-130	
Chloroform	0.00500	0.00427	85	70-130	
trans-1,3-Dichloropropene	0.00500	0.00363	73	70-130	
1,1,1-Trichloroethane	0.00500	0.00407	81	70-130	
Bromochloromethane	0.00500	0.00445	89	70-130	
1,1,2-Trichloroethane	0.00500	0.00451	90	70-130	
Trichloroethene	0.00500	0.00440	88	70-130	
Vinyl chloride	0.00500	0.00487	97	70-130	
Chloroethane	0.00500	0.00507	101	70-130	
Xylenes, Total	0.0100	0.00879	88	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141731.D

Lab ID: MRL 240-80302/31 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00984 J	98	70-130	
Acetone	0.0100	0.0141	141	70-130	^
Benzene	0.00500	0.00560	112	70-130	
Bromoform	0.00500	0.00584	117	70-130	
Bromomethane	0.00500	0.00628	126	70-130	
Carbon disulfide	0.00500	0.00597	119	70-130	
Carbon tetrachloride	0.00500	0.00408	82	70-130	
1,1-Dichloroethane	0.00500	0.00532	106	70-130	
Chlorobenzene	0.00500	0.00547	109	70-130	
1,2-Dichloroethane	0.00500	0.00574	115	70-130	
Chloromethane	0.00500	0.00584	117	70-130	
1,1-Dichloroethene	0.00500	0.00542	108	70-130	
cis-1,3-Dichloropropene	0.00500	0.00425	85	70-130	
Dibromochloromethane	0.00500	0.00612	122	70-130	
1,2-Dichloropropane	0.00500	0.00551	110	70-130	
Bromodichloromethane	0.00500	0.00432	86	70-130	
Ethylbenzene	0.00500	0.00546	109	70-130	
2-Hexanone	0.0100	0.00999 J	100	70-130	
Methylene Chloride	0.00500	0.00791	158	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70-130	
Styrene	0.00500	0.00493	99	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00597	119	70-130	
Tetrachloroethene	0.00500	0.00565	113	70-130	
Toluene	0.00500	0.00542	108	70-130	
Chloroform	0.00500	0.00530	106	70-130	
trans-1,3-Dichloropropene	0.00500	0.00388	78	70-130	
1,1,1-Trichloroethane	0.00500	0.00497	99	70-130	
Bromochloromethane	0.00500	0.00518	104	70-130	
1,1,2-Trichloroethane	0.00500	0.00564	113	70-130	
Trichloroethene	0.00500	0.00549	110	70-130	
Vinyl chloride	0.00500	0.00587	117	70-130	
Chloroethane	0.00500	0.00708	142	70-130	^
Xylenes, Total	0.0100	0.0106	106	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141736.D

Lab ID: MRL 240-80388/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00918 J	92	70-130	
Acetone	0.0100	0.0143	143	70-130	^
Benzene	0.00500	0.00530	106	70-130	
Bromoform	0.00500	0.00581	116	70-130	
Bromomethane	0.00500	0.00633	127	70-130	
Carbon disulfide	0.00500	0.00595	119	70-130	
Carbon tetrachloride	0.00500	0.00434	87	70-130	
1,1-Dichloroethane	0.00500	0.00504	101	70-130	
Chlorobenzene	0.00500	0.00550	110	70-130	
1,2-Dichloroethane	0.00500	0.00516	103	70-130	
Chloromethane	0.00500	0.00564	113	70-130	
1,1-Dichloroethene	0.00500	0.00538	108	70-130	
cis-1,3-Dichloropropene	0.00500	0.00417	83	70-130	
Dibromochloromethane	0.00500	0.00633	127	70-130	
1,2-Dichloropropane	0.00500	0.00528	106	70-130	
Bromodichloromethane	0.00500	0.00432	86	70-130	
Ethylbenzene	0.00500	0.00550	110	70-130	
2-Hexanone	0.0100	0.00982 J	98	70-130	
Methylene Chloride	0.00500	0.00760	152	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00912 J	91	70-130	
Styrene	0.00500	0.00497	99	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00520	104	70-130	
Tetrachloroethene	0.00500	0.00552	110	70-130	
Toluene	0.00500	0.00527	105	70-130	
Chloroform	0.00500	0.00500	100	70-130	
trans-1,3-Dichloropropene	0.00500	0.00405	81	70-130	
1,1,1-Trichloroethane	0.00500	0.00475	95	70-130	
Bromochloromethane	0.00500	0.00509	102	70-130	
1,1,2-Trichloroethane	0.00500	0.00550	110	70-130	
Trichloroethene	0.00500	0.00490	98	70-130	
Vinyl chloride	0.00500	0.00571	114	70-130	
Chloroethane	0.00500	0.00660	132	70-130	^
Xylenes, Total	0.0100	0.0103	103	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141763.D

Lab ID: MRL 240-80388/32 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.0124	124	70-130	
Acetone	0.0100	0.0145	145	70-130	^
Benzene	0.00500	0.00508	102	70-130	
Bromoform	0.00500	0.00575	115	70-130	
Bromomethane	0.00500	0.00556	111	70-130	
Carbon disulfide	0.00500	0.00568	114	70-130	
Carbon tetrachloride	0.00500	0.00356	71	70-130	
1,1-Dichloroethane	0.00500	0.00474	95	70-130	
Chlorobenzene	0.00500	0.00519	104	70-130	
1,2-Dichloroethane	0.00500	0.00522	104	70-130	
Chloromethane	0.00500	0.00495	99	70-130	
1,1-Dichloroethene	0.00500	0.00444	89	70-130	
cis-1,3-Dichloropropene	0.00500	0.00398	80	70-130	
Dibromochloromethane	0.00500	0.00620	124	70-130	
1,2-Dichloropropane	0.00500	0.00513	103	70-130	
Bromodichloromethane	0.00500	0.00403	81	70-130	
Ethylbenzene	0.00500	0.00503	101	70-130	
2-Hexanone	0.0100	0.0101	101	70-130	
Methylene Chloride	0.00500	0.00671	134	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.0103	103	70-130	
Styrene	0.00500	0.00456	91	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00558	112	70-130	
Tetrachloroethene	0.00500	0.00490	98	70-130	
Toluene	0.00500	0.00494	99	70-130	
Chloroform	0.00500	0.00496	99	70-130	
trans-1,3-Dichloropropene	0.00500	0.00383	77	70-130	
1,1,1-Trichloroethane	0.00500	0.00407	81	70-130	
Bromochloromethane	0.00500	0.00474	95	70-130	
1,1,2-Trichloroethane	0.00500	0.00574	115	70-130	
Trichloroethene	0.00500	0.00500	100	70-130	
Vinyl chloride	0.00500	0.00528	106	70-130	
Chloroethane	0.00500	0.00608	122	70-130	
Xylenes, Total	0.0100	0.00944	94	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.: 240-22488-1

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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR3299.D

Lab ID: MRL 240-81013/21 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00771 J	77	70-130	
Acetone	0.0100	0.00676 J	68	70-130	^
Benzene	0.00100	0.00102	102	70-130	
Bromoform	0.00100	0.000836 J	84	70-130	
Bromomethane	0.00100	0.000770 J	77	70-130	
Carbon disulfide	0.00100	0.000894 J	89	70-130	
Carbon tetrachloride	0.00100	0.000915 J	91	70-130	
1,1-Dichloroethane	0.00100	0.000994 J	99	70-130	
Chlorobenzene	0.00100	0.000980 J	98	70-130	
1,2-Dichloroethane	0.00100	0.00104	104	70-130	
Chloromethane	0.00100	0.00113	113	70-130	
1,1-Dichloroethene	0.00100	0.00101	101	70-130	
cis-1,3-Dichloropropene	0.00100	0.00121	121	70-130	
Dibromochloromethane	0.00100	0.000823 J	82	70-130	
1,2-Dichloropropane	0.00100	0.000976 J	98	70-130	
Bromodichloromethane	0.00100	0.000890 J	89	70-130	
Ethylbenzene	0.00100	0.000915 J	91	70-130	
2-Hexanone	0.0100	0.00949 J	95	70-130	
Methyl tert-butyl ether	0.00100	0.00101	101	70-130	
Methylene Chloride	0.00100	0.00256	256	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00897 J	90	70-130	
Styrene	0.00100	0.000745 J	74	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00125	125	70-130	
Tetrachloroethene	0.00100	0.000960 J	96	70-130	
Toluene	0.00100	0.000933 J	93	70-130	
Chloroform	0.00100	0.000960 J	96	70-130	
trans-1,3-Dichloropropene	0.00100	0.00118	118	70-130	
1,1,1-Trichloroethane	0.00100	0.000940 J	94	70-130	
Bromochloromethane	0.00100	0.00100	100	70-130	
1,1,2-Trichloroethane	0.00100	0.000961 J	96	70-130	
Trichloroethene	0.00100	0.00102	102	70-130	
Vinyl chloride	0.00100	0.000961 J	96	70-130	
Chloroethane	0.00100	0.000985 J	98	70-130	
Xylenes, Total	0.00300	0.00240	80	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab File ID: 141707.D Lab Sample ID: MB 240-80302/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 04/02/2013 16:21

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 240-80302/6	141706.D	04/02/2013 16:00
079SB-0144M-0001-SO	240-22488-18	141718.D	04/02/2013 20:33

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab File ID: 141738.D Lab Sample ID: MB 240-80388/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 04/03/2013 12:29

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 240-80388/6	141737.D	04/03/2013 12:08
079SB-0130M-0001-SO	240-22488-5	141739.D	04/03/2013 13:06
079SB-0132M-0001-SO	240-22488-7	141740.D	04/03/2013 13:27
079SB-0136M-0001-SO	240-22488-11	141741.D	04/03/2013 13:49
079SS-0053M-0001-SO	240-22488-23	141743.D	04/03/2013 14:32

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
TRIP BLANK	240-22488-25	UXR3285.D	04/08/2013 13:55

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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
TRIP BLANK	240-22488-25	UXR3285.D	04/08/2013	13:55
	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.: 240-22488-1

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.: 240-22488-1

SDG No.:

Lab File ID: BFB14385.D BFB Injection Date: 04/02/2013

Instrument ID: A3UX14 BFB Injection Time: 14:12

Analysis Batch No.: 80302

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	46.9	
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	84.2	
175	5.0 - 9.0 % of mass 174	6.0	(7.2)1
176	95.0 - 101.0 % of mass 174	80.2	(95.2)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 240-80302/3	141703.D	04/02/2013	14:55
	CCV 240-80302/4	141704.D	04/02/2013	15:17
	MRL 240-80302/5	141705.D	04/02/2013	15:38
	LCS 240-80302/6	141706.D	04/02/2013	16:00
	MB 240-80302/7	141707.D	04/02/2013	16:21
079SB-0144M-0001-SO	240-22488-18	141718.D	04/02/2013	20:33
	MRL 240-80302/31	141731.D	04/03/2013	01:12

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab File ID: BFB14386.D BFB Injection Date: 04/03/2013

Instrument ID: A3UX14 BFB Injection Time: 10:21

Analysis Batch No.: 80388

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	46.9	
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	86.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.5)1
176	95.0 - 101.0 % of mass 174	83.2	(96.5)1
177	5.0 - 9.0 % of mass 176	5.4	(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
	CCV 240-80388/3	141734.D	04/03/2013	11:03
	CCV 240-80388/4	141735.D	04/03/2013	11:25
	MRL 240-80388/5	141736.D	04/03/2013	11:46
	LCS 240-80388/6	141737.D	04/03/2013	12:08
	MB 240-80388/7	141738.D	04/03/2013	12:29
079SB-0130M-0001-SO	240-22488-5	141739.D	04/03/2013	13:06
079SB-0132M-0001-SO	240-22488-7	141740.D	04/03/2013	13:27
079SB-0136M-0001-SO	240-22488-11	141741.D	04/03/2013	13:49
079SS-0053M-0001-SO	240-22488-23	141743.D	04/03/2013	14:32
	MRL 240-80388/32	141763.D	04/03/2013	21:41

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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
240-22488-25	TRIP BLANK	1906086	5.20	1327755	7.87	608013	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.: 240-22488-1

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 240-80302/3		1188120	6.93	802228	9.64	374148	11.61
CCV 240-80302/4		1234591	6.93	800247	9.64	356652	11.61
MRL 240-80302/5		1254745	6.93	818251	9.64	371725	11.61
LCS 240-80302/6		1177838	6.93	795972	9.64	356899	11.61
MB 240-80302/7		1173521	6.93	784575	9.64	351562	11.61
240-22488-18	079SB-0144M-0001-SO	1148941	6.93	768211	9.64	347905	11.61
MRL 240-80302/31		1054750	6.93	694380	9.64	316483	11.61
CCV 240-80388/3		1168506	6.93	754407	9.64	344508	11.61
CCV 240-80388/4		1133423	6.93	744742	9.64	322271	11.61
MRL 240-80388/5		1118357	6.93	730514	9.64	337148	11.61
LCS 240-80388/6		1119197	6.93	754822	9.64	342458	11.61
MB 240-80388/7		1106406	6.93	724665	9.64	325700	11.61
240-22488-5	079SB-0130M-0001-SO	1094082	6.93	718418	9.64	327241	11.61
240-22488-7	079SB-0132M-0001-SO	1074801	6.93	710165	9.64	314807	11.61
240-22488-11	079SB-0136M-0001-SO	1001552	6.93	669034	9.64	298796	11.61
240-22488-23	079SS-0053M-0001-SO	832792	6.93	474284	9.64	155620Q	11.61
MRL 240-80388/32		1060702	6.93	704074	9.64	317388	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.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: 141739.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 17:35

Sample wt/vol: 6.348(g) | Date Analyzed: 04/03/2013 13:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.8 | Level: (low/med) Low

Analysis Batch No.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	6.0	U	19	6.0	6.0
71-43-2	Benzene	0.48	U	4.8	0.48	0.22
74-97-5	Bromochloromethane	0.96	U	4.8	0.96	0.68
75-27-4	Bromodichloromethane	0.48	U	4.8	0.48	0.27
75-25-2	Bromoform	0.48	U	4.8	0.48	0.32
74-83-9	Bromomethane	0.96	U	4.8	0.96	0.52
78-93-3	2-Butanone (MEK)	1.9	U	19	1.9	1.3
75-15-0	Carbon disulfide	0.48	U	4.8	0.48	0.42
56-23-5	Carbon tetrachloride	0.48	U	4.8	0.48	0.35
108-90-7	Chlorobenzene	0.48	U	4.8	0.48	0.32
75-00-3	Chloroethane	0.96	U	4.8	0.96	0.82
67-66-3	Chloroform	0.48	U	4.8	0.48	0.28
74-87-3	Chloromethane	0.48	U	4.8	0.48	0.39
10061-01-5	cis-1,3-Dichloropropene	0.48	U	4.8	0.48	0.33
124-48-1	Dibromochloromethane	0.96	U	4.8	0.96	0.53
106-93-4	1,2-Dibromoethane	0.96	U	4.8	0.96	0.48
75-34-3	1,1-Dichloroethane	0.48	U	4.8	0.48	0.34
107-06-2	1,2-Dichloroethane	0.48	U	4.8	0.48	0.33
75-35-4	1,1-Dichloroethene	0.96	U	4.8	0.96	0.50
540-59-0	1,2-Dichloroethene, Total	0.96	U	9.6	0.96	0.74
78-87-5	1,2-Dichloropropane	0.96	U	4.8	0.96	0.66
100-41-4	Ethylbenzene	0.48	U	4.8	0.48	0.25
591-78-6	2-Hexanone	0.96	U	19	0.96	0.60
75-09-2	Methylene Chloride	1.3	J B	4.8	0.96	0.64
108-10-1	4-Methyl-2-pentanone (MIBK)	0.96	U	19	0.96	0.52
100-42-5	Styrene	0.48	U	4.8	0.48	0.14
79-34-5	1,1,2,2-Tetrachloroethane	0.48	U	4.8	0.48	0.33
127-18-4	Tetrachloroethene	0.96	U	4.8	0.96	0.50
108-88-3	Toluene	0.48	U	4.8	0.48	0.26
10061-02-6	trans-1,3-Dichloropropene	0.96	U	4.8	0.96	0.52
71-55-6	1,1,1-Trichloroethane	0.96	U	4.8	0.96	0.54
79-00-5	1,1,2-Trichloroethane	0.48	U	4.8	0.48	0.37
79-01-6	Trichloroethene	0.48	U	4.8	0.48	0.40
75-01-4	Vinyl chloride	0.48	U	4.8	0.48	0.37
1330-20-7	Xylenes, Total	1.4	U	9.6	1.4	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO Lab Sample ID: 240-22488-5

Matrix: Solid Lab File ID: 141739.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 17:35

Sample wt/vol: 6.348(g) Date Analyzed: 04/03/2013 13:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.8 Level: (low/med) Low

Analysis Batch No.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		61-130
2037-26-5	Toluene-d8 (Surr)	101		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141739.D
Lims ID: 240-22488-C-5-A Client ID: 079SB-0130M-0001-SO
Inject. Date: 03-Apr-2013 13:06:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22488-c-5-a
Misc. Info.: 240-0018501-008 =240-0018501-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 80388 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 13:56:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1094082	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	718418	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	327241	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	59	265024	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.589	6.601	-0.012	95	336830	53.3	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1103825	50.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	93	347724	48.8	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.116					9
16 Chloroethane	64		2.234					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43		3.311					
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	82	7794	1.32	
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		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					9
50 1,1,1-Trichloroethane	97		6.257					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					9
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		8.293					9
72 Toluene	91	8.458	8.458	0.0	52	2520	0.1041	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.802					
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
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		10.363					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

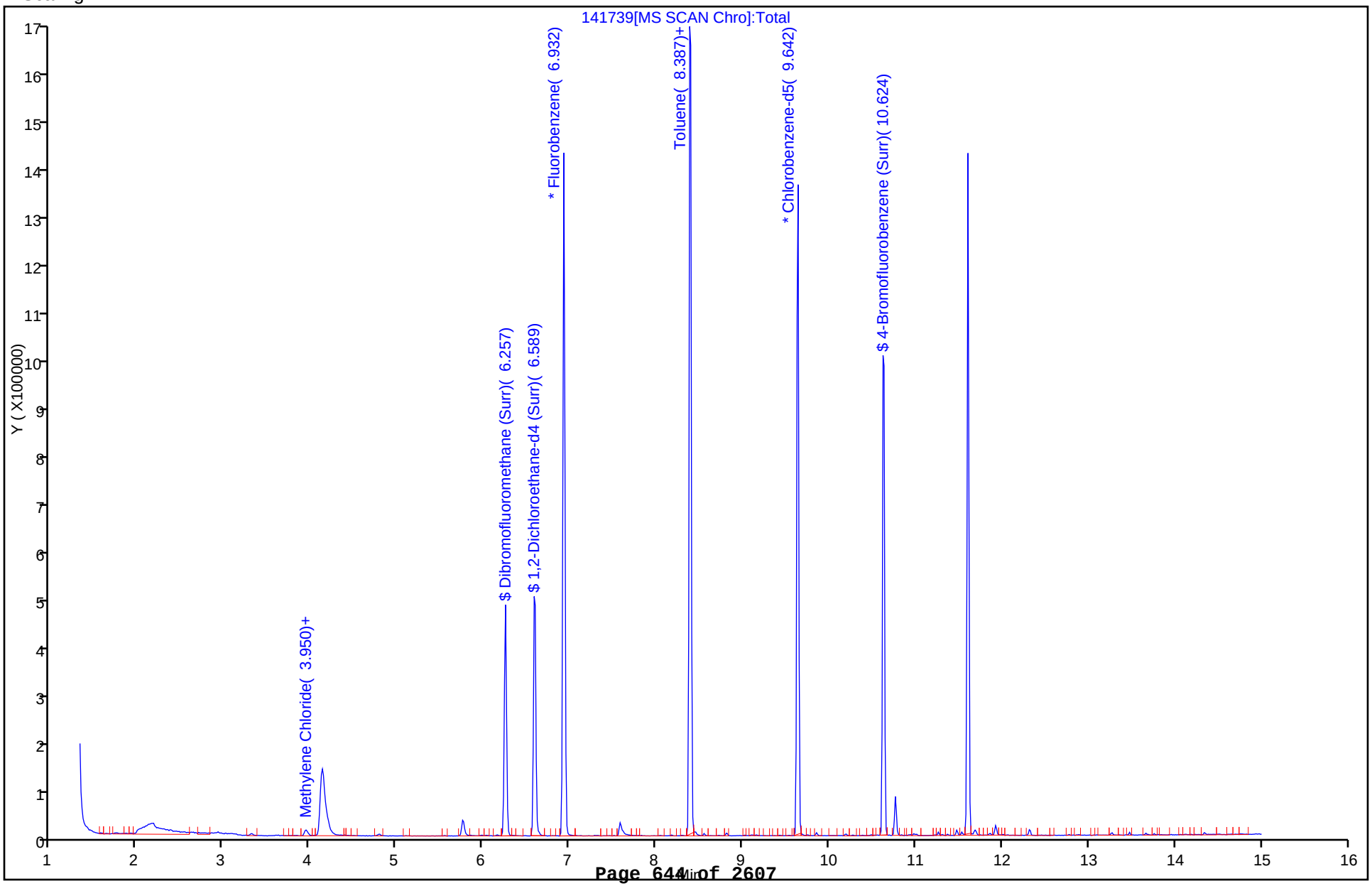
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 04-Apr-2013 10:47:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\141739.D		
Injection Date:	03-Apr-2013 13:06:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



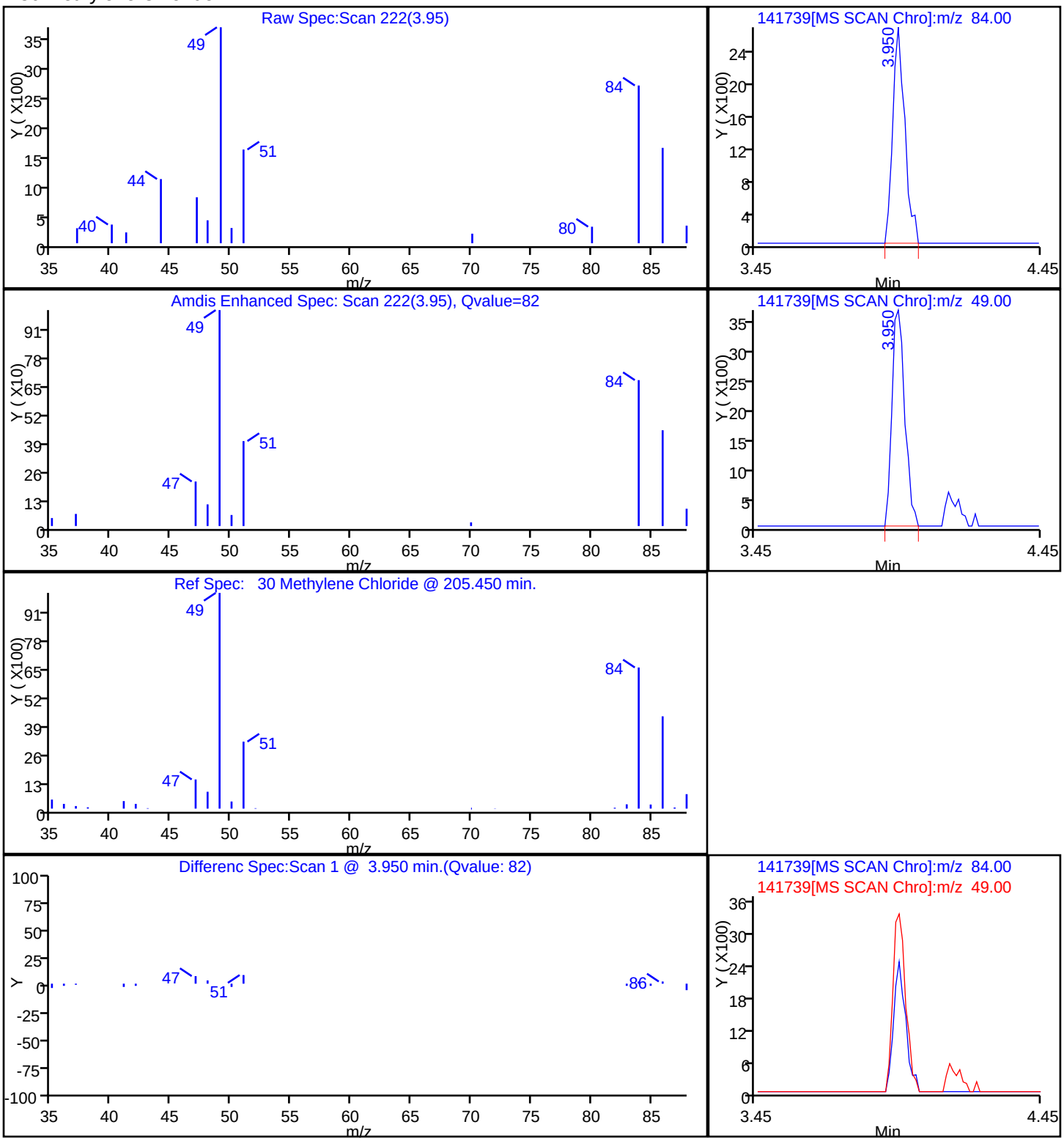
Report Date: 04-Apr-2013 10:47:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141739.D

Injection Date:	03-Apr-2013 13:06:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: 141740.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 16:52

Sample wt/vol: 5.718(g) | Date Analyzed: 04/03/2013 13:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	7.1	U	23	7.1	7.1
71-43-2	Benzene	0.56	U	5.6	0.56	0.26
74-97-5	Bromochloromethane	1.1	U	5.6	1.1	0.80
75-27-4	Bromodichloromethane	0.56	U	5.6	0.56	0.32
75-25-2	Bromoform	0.56	U	5.6	0.56	0.37
74-83-9	Bromomethane	1.1	U	5.6	1.1	0.61
78-93-3	2-Butanone (MEK)	2.3	U	23	2.3	1.6
75-15-0	Carbon disulfide	0.56	U	5.6	0.56	0.50
56-23-5	Carbon tetrachloride	0.56	U	5.6	0.56	0.42
108-90-7	Chlorobenzene	0.56	U	5.6	0.56	0.37
75-00-3	Chloroethane	1.1	U	5.6	1.1	0.97
67-66-3	Chloroform	0.56	U	5.6	0.56	0.33
74-87-3	Chloromethane	0.56	U	5.6	0.56	0.46
10061-01-5	cis-1,3-Dichloropropene	0.56	U	5.6	0.56	0.38
124-48-1	Dibromochloromethane	1.1	U	5.6	1.1	0.62
106-93-4	1,2-Dibromoethane	1.1	U	5.6	1.1	0.56
75-34-3	1,1-Dichloroethane	0.56	U	5.6	0.56	0.41
107-06-2	1,2-Dichloroethane	0.56	U	5.6	0.56	0.38
75-35-4	1,1-Dichloroethene	1.1	U	5.6	1.1	0.59
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.87
78-87-5	1,2-Dichloropropane	1.1	U	5.6	1.1	0.78
100-41-4	Ethylbenzene	0.56	U	5.6	0.56	0.29
591-78-6	2-Hexanone	1.1	U	23	1.1	0.71
75-09-2	Methylene Chloride	2.1	J B	5.6	1.1	0.75
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	23	1.1	0.61
100-42-5	Styrene	0.56	U	5.6	0.56	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	5.6	0.56	0.38
127-18-4	Tetrachloroethene	1.1	U	5.6	1.1	0.59
108-88-3	Toluene	0.56	U	5.6	0.56	0.30
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.6	1.1	0.61
71-55-6	1,1,1-Trichloroethane	1.1	U	5.6	1.1	0.63
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	0.44
79-01-6	Trichloroethene	0.56	U	5.6	0.56	0.47
75-01-4	Vinyl chloride	0.56	U	5.6	0.56	0.44
1330-20-7	Xylenes, Total	1.7	U	11	1.7	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: 141740.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 16:52

Sample wt/vol: 5.718(g) Date Analyzed: 04/03/2013 13:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.3 Level: (low/med) Low

Analysis Batch No.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	84		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
2037-26-5	Toluene-d8 (Surr)	94		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141740.D
Lims ID: 240-22488-C-7-A
Client ID: 079SB-0132M-0001-SO
Inject. Date: 03-Apr-2013 13:27:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22488-c-7-a
Misc. Info.: 240-0018501-009 =240-0018501-009
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 8
Lims Batch ID: 80388
Lims Sample ID: 9
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53
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: XAWRK029

First Level Reviewer: macenczaks
Date: 03-Apr-2013 13:57:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1074801	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	710165	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	314807	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	63	240445	41.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	303394	48.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1021045	47.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	323536	47.0	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.116					9
16 Chloroethane	64		2.234					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43		3.311					
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	88	10815	1.87	
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		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.257					
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		8.293					9
72 Toluene	91	8.458	8.458	0.0	59	4609	0.1926	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.802					
77 Tetrachloroethene	164		8.932					
78 2-Hexanone	43		9.015					
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					9
84 Ethylbenzene	106		9.748					
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	54	1359	0.1375	
85 o-Xylene	106		10.186					9
86 Styrene	104		10.198					9
87 Bromoform	173		10.363					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.1375	

QC Flag Legend

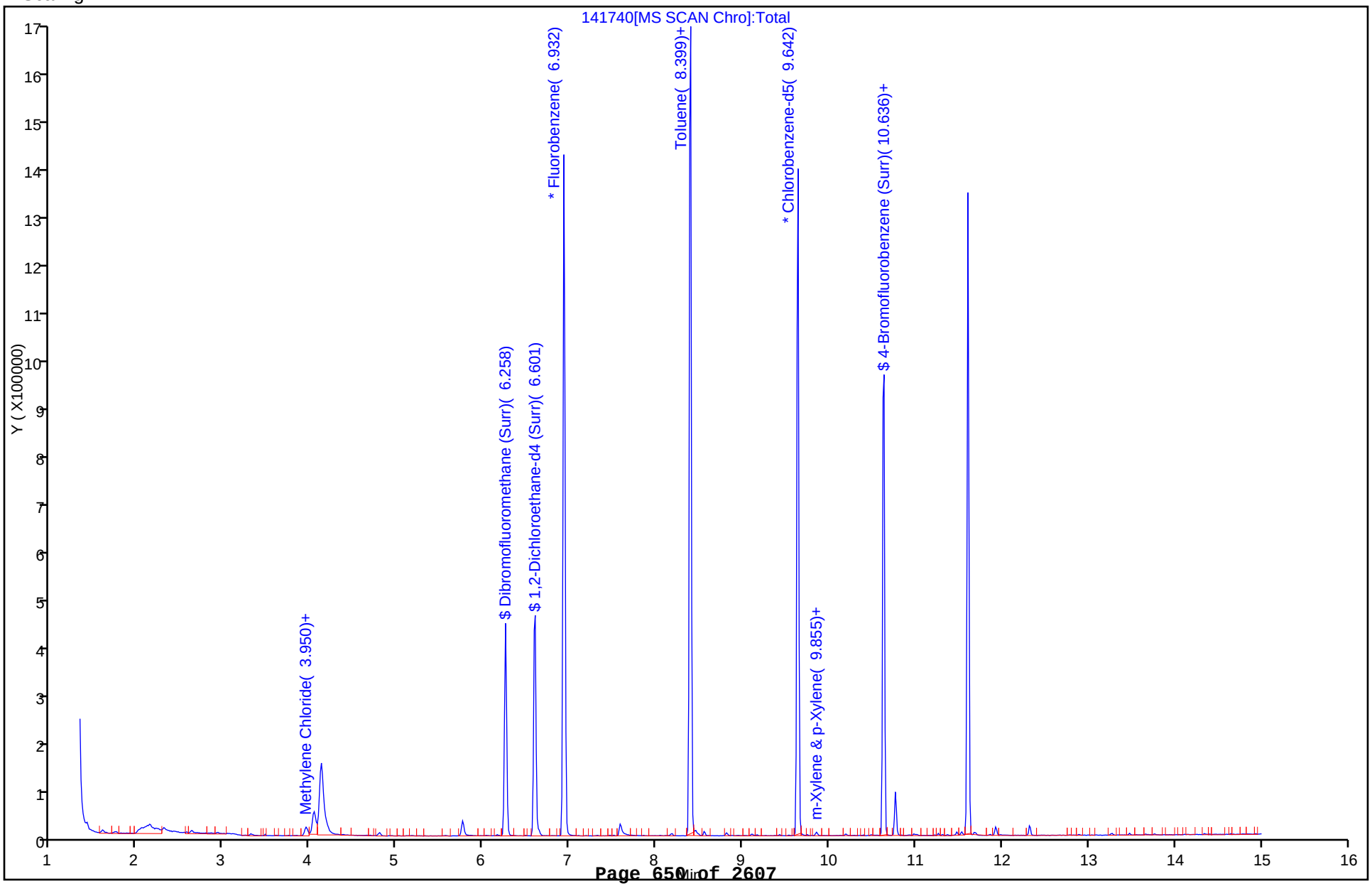
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 04-Apr-2013 10:47:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\141740.D		
Injection Date:	03-Apr-2013 13:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



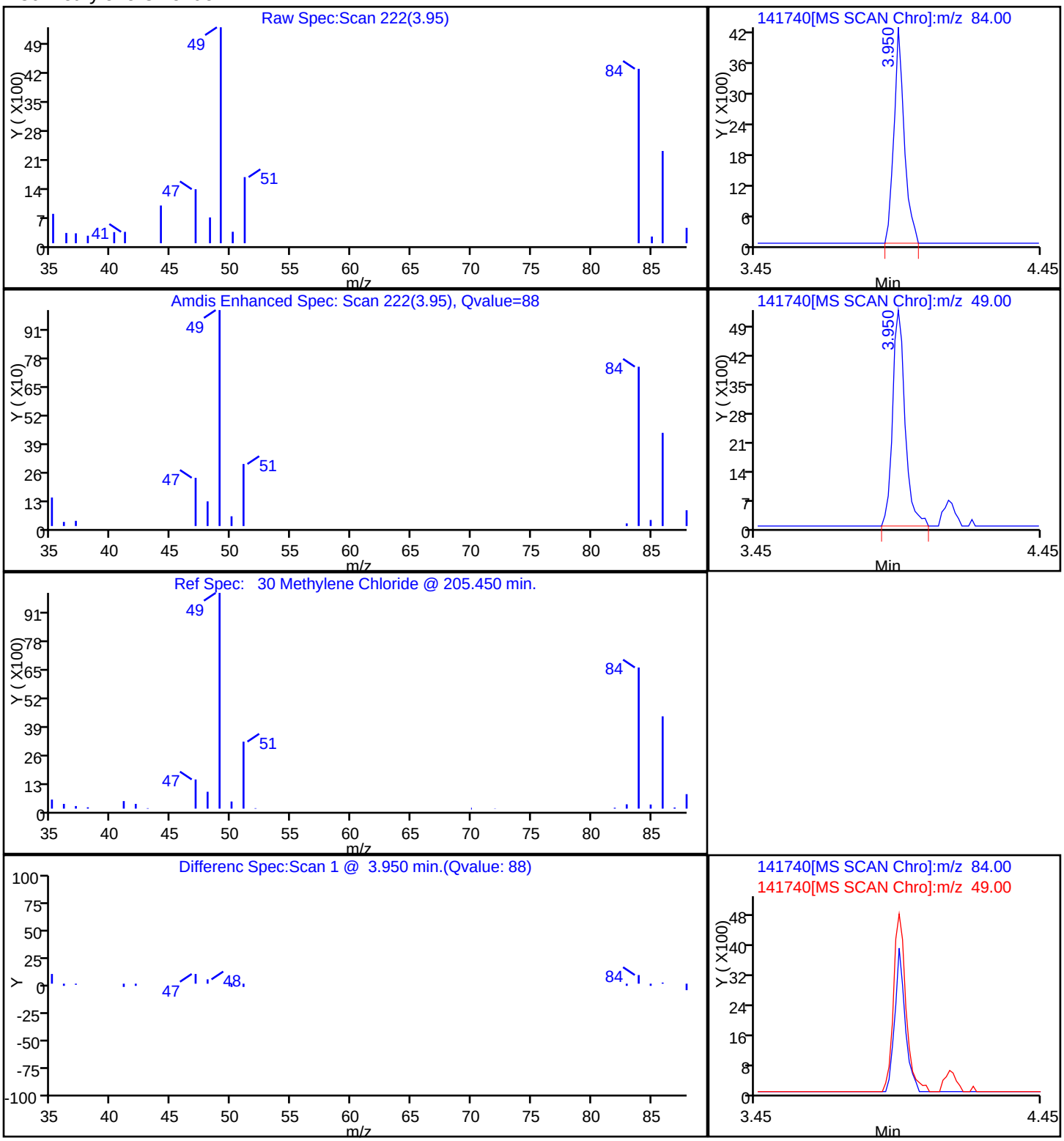
Report Date: 04-Apr-2013 10:47:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141740.D

Injection Date:	03-Apr-2013 13:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: 141741.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 16:31

Sample wt/vol: 5.773(g) | Date Analyzed: 04/03/2013 13:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	6.7	U	21	6.7	6.7
71-43-2	Benzene	0.53	U	5.3	0.53	0.25
74-97-5	Bromochloromethane	1.1	U	5.3	1.1	0.76
75-27-4	Bromodichloromethane	0.53	U	5.3	0.53	0.30
75-25-2	Bromoform	0.53	U	5.3	0.53	0.35
74-83-9	Bromomethane	1.1	U	5.3	1.1	0.58
78-93-3	2-Butanone (MEK)	2.1	U	21	2.1	1.5
75-15-0	Carbon disulfide	0.53	U	5.3	0.53	0.47
56-23-5	Carbon tetrachloride	0.53	U	5.3	0.53	0.40
108-90-7	Chlorobenzene	0.53	U	5.3	0.53	0.35
75-00-3	Chloroethane	1.1	U	5.3	1.1	0.92
67-66-3	Chloroform	0.53	U	5.3	0.53	0.31
74-87-3	Chloromethane	0.53	U	5.3	0.53	0.44
10061-01-5	cis-1,3-Dichloropropene	0.53	U	5.3	0.53	0.36
124-48-1	Dibromochloromethane	1.1	U	5.3	1.1	0.59
106-93-4	1,2-Dibromoethane	1.1	U	5.3	1.1	0.53
75-34-3	1,1-Dichloroethane	0.53	U	5.3	0.53	0.38
107-06-2	1,2-Dichloroethane	0.53	U	5.3	0.53	0.36
75-35-4	1,1-Dichloroethene	1.1	U	5.3	1.1	0.56
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.82
78-87-5	1,2-Dichloropropane	1.1	U	5.3	1.1	0.74
100-41-4	Ethylbenzene	0.53	U	5.3	0.53	0.28
591-78-6	2-Hexanone	1.1	U	21	1.1	0.67
75-09-2	Methylene Chloride	1.7	J B	5.3	1.1	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	21	1.1	0.58
100-42-5	Styrene	0.53	U	5.3	0.53	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	5.3	0.53	0.36
127-18-4	Tetrachloroethene	1.1	U	5.3	1.1	0.56
108-88-3	Toluene	0.53	U	5.3	0.53	0.29
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.3	1.1	0.58
71-55-6	1,1,1-Trichloroethane	1.1	U	5.3	1.1	0.60
79-00-5	1,1,2-Trichloroethane	0.53	U	5.3	0.53	0.42
79-01-6	Trichloroethene	0.53	U	5.3	0.53	0.45
75-01-4	Vinyl chloride	0.53	U	5.3	0.53	0.42
1330-20-7	Xylenes, Total	1.6	U	11	1.6	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: 141741.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 16:31

Sample wt/vol: 5.773(g) Date Analyzed: 04/03/2013 13:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.9 Level: (low/med) Low

Analysis Batch No.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	88		85-120
1868-53-7	Dibromofluoromethane (Surr)	84		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141741.D
Lims ID: 240-22488-C-11-A
Client ID: 079SB-0136M-0001-SO
Inject. Date: 03-Apr-2013 13:49:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22488-c-11-a
Misc. Info.: 240-0018501-010 =240-0018501-010
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 9
Lims Batch ID: 80388
Lims Sample ID: 10
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53
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: XAWRK029

First Level Reviewer: macenczaks
Date: 03-Apr-2013 14:20:08

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	1001552	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	669034	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	298796	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	59	224359	41.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	295471	50.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	938849	45.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	289878	44.1	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.116					
16 Chloroethane	64		2.234					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43		3.311					
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	89	8596	1.59	
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		5.749					
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.257					
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		8.293					9
72 Toluene	91	8.459	8.458	0.001	60	4159	0.1845	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.802					9
77 Tetrachloroethene	164		8.932					
78 2-Hexanone	43		9.015					9
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					9
84 Ethylbenzene	106		9.748					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		10.363					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

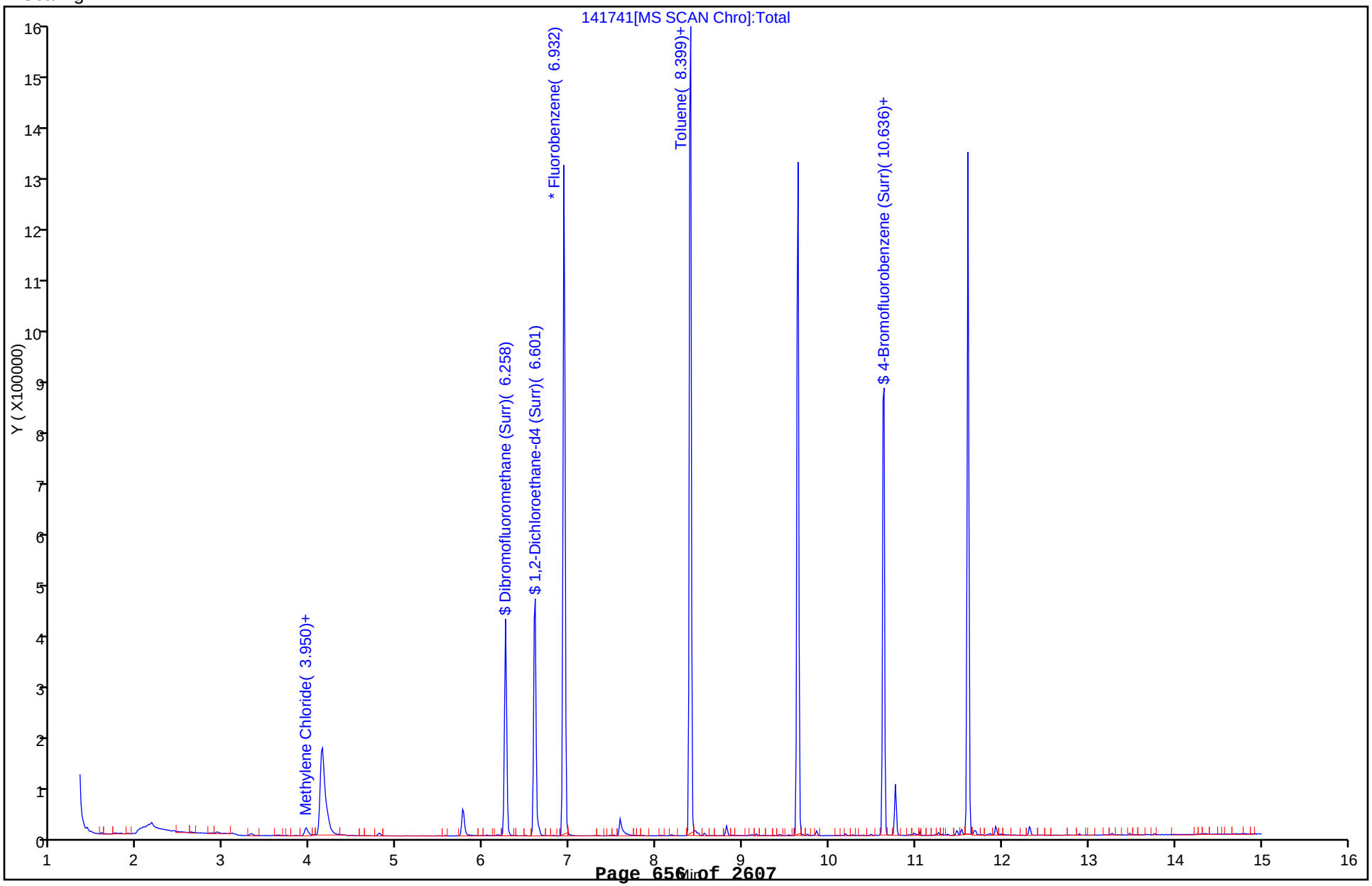
Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141741.D

Injection Date:	03-Apr-2013 13:49:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



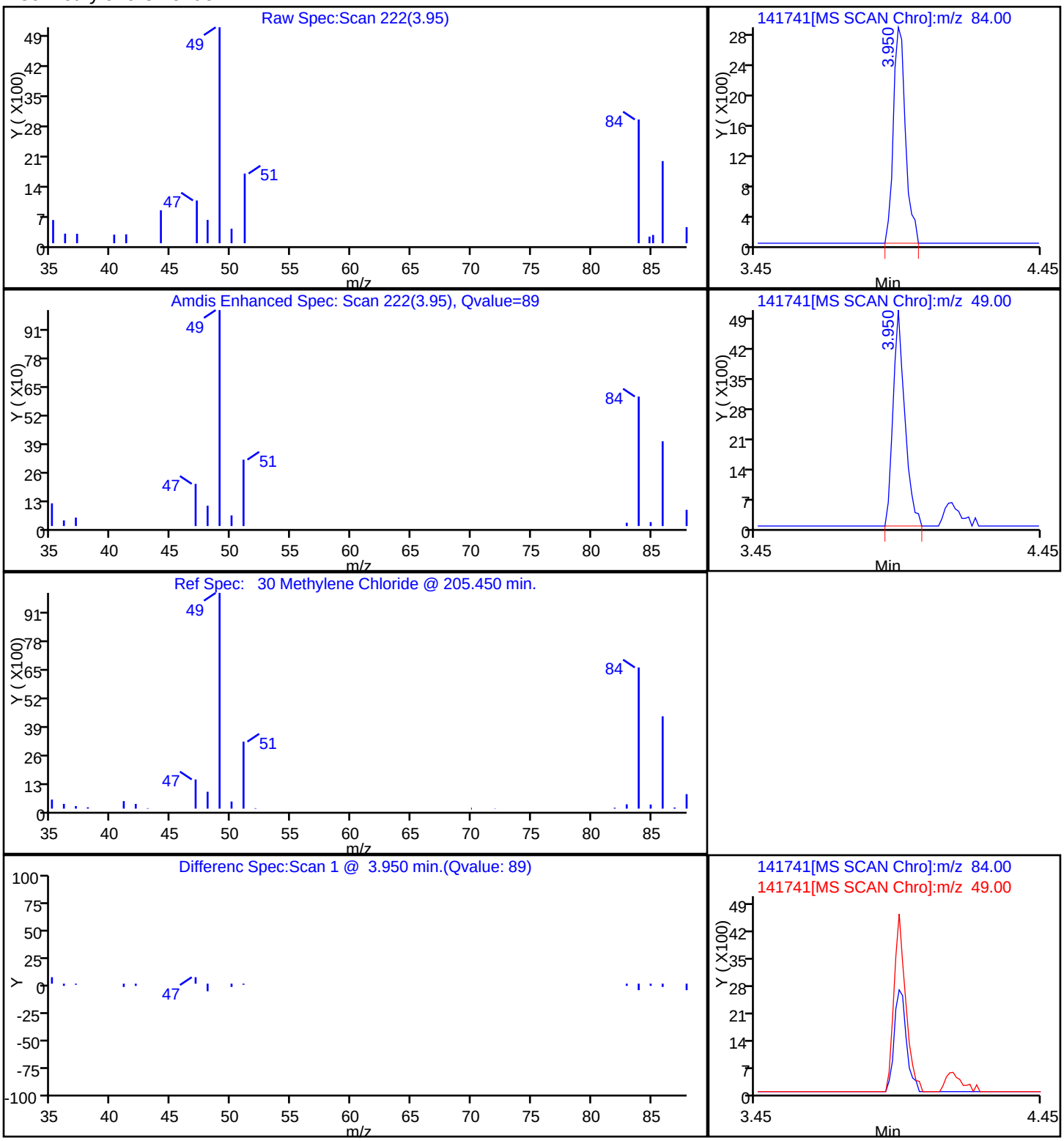
Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141741.D

Injection Date:	03-Apr-2013 13:49:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: 141718.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 14:37

Sample wt/vol: 6.224(g) | Date Analyzed: 04/02/2013 20:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.4 | Level: (low/med) Low

Analysis Batch No.: 80302 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	6.1	U	19	6.1	6.1
71-43-2	Benzene	0.48	U	4.8	0.48	0.22
74-97-5	Bromochloromethane	0.96	U	4.8	0.96	0.68
75-27-4	Bromodichloromethane	0.48	U	4.8	0.48	0.27
75-25-2	Bromoform	0.48	U	4.8	0.48	0.32
74-83-9	Bromomethane	0.96	U	4.8	0.96	0.52
78-93-3	2-Butanone (MEK)	1.9	U	19	1.9	1.3
75-15-0	Carbon disulfide	0.48	U	4.8	0.48	0.42
56-23-5	Carbon tetrachloride	0.48	U	4.8	0.48	0.36
108-90-7	Chlorobenzene	0.48	U	4.8	0.48	0.32
75-00-3	Chloroethane	0.96	U	4.8	0.96	0.83
67-66-3	Chloroform	0.48	U	4.8	0.48	0.28
74-87-3	Chloromethane	0.48	U	4.8	0.48	0.39
10061-01-5	cis-1,3-Dichloropropene	0.48	U	4.8	0.48	0.33
124-48-1	Dibromochloromethane	0.96	U	4.8	0.96	0.53
106-93-4	1,2-Dibromoethane	0.96	U	4.8	0.96	0.48
75-34-3	1,1-Dichloroethane	0.48	U	4.8	0.48	0.35
107-06-2	1,2-Dichloroethane	0.48	U	4.8	0.48	0.33
75-35-4	1,1-Dichloroethene	0.96	U	4.8	0.96	0.50
540-59-0	1,2-Dichloroethene, Total	0.96	U	9.6	0.96	0.74
78-87-5	1,2-Dichloropropane	0.96	U	4.8	0.96	0.66
100-41-4	Ethylbenzene	0.48	U	4.8	0.48	0.25
591-78-6	2-Hexanone	0.96	U	19	0.96	0.61
75-09-2	Methylene Chloride	1.6	J B	4.8	0.96	0.64
108-10-1	4-Methyl-2-pentanone (MIBK)	0.96	U	19	0.96	0.52
100-42-5	Styrene	0.48	U	4.8	0.48	0.14
79-34-5	1,1,2,2-Tetrachloroethane	0.48	U	4.8	0.48	0.33
127-18-4	Tetrachloroethene	0.96	U	4.8	0.96	0.50
108-88-3	Toluene	0.48	U	4.8	0.48	0.26
10061-02-6	trans-1,3-Dichloropropene	0.96	U	4.8	0.96	0.52
71-55-6	1,1,1-Trichloroethane	0.96	U	4.8	0.96	0.54
79-00-5	1,1,2-Trichloroethane	0.48	U	4.8	0.48	0.37
79-01-6	Trichloroethene	0.48	U	4.8	0.48	0.40
75-01-4	Vinyl chloride	0.48	U	4.8	0.48	0.37
1330-20-7	Xylenes, Total	1.4	U	9.6	1.4	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Matrix: Solid Lab File ID: 141718.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 14:37

Sample wt/vol: 6.224(g) Date Analyzed: 04/02/2013 20:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.4 Level: (low/med) Low

Analysis Batch No.: 80302 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	58	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	63		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		61-130
2037-26-5	Toluene-d8 (Surr)	71	Q	85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141718.D
Lims ID: 240-22488-B-18-A Client ID: 079SB-0144M-0001-SO
Inject. Date: 02-Apr-2013 20:33:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22488-b-18-a
Misc. Info.: 240-0018475-018 =240-0018475-018
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 80302 Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:51:26 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 09:34:24

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	1148941	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	768211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	347905	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	58	199817	31.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	260473	37.8	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	858151	35.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	236417	29.1	
13 Chloromethane	50		1.643					
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.222					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.311	0.012	89	9866	0.1533	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	85	10552	1.70	
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		5.749					
47 Chlorobromomethane	128		5.974					
49 Chloroform	83		6.080					
50 1,1,1-Trichloroethane	97		6.258					
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		8.293					9
72	Toluene	91	8.447	8.458	-0.011	51	3636	0.1404	
73	trans-1,3-Dichloropropene	75		8.648					
75	1,1,2-Trichloroethane	97		8.802					9
77	Tetrachloroethene	164		8.932					
78	2-Hexanone	43		9.015					9
79	Chlorodibromomethane	129		9.145					
123	Ethylene Dibromide	107		9.239					
82	Chlorobenzene	112		9.665					9
84	Ethylbenzene	106		9.748					9
10	m-Xylene & p-Xylene	106	9.855	9.855	0.0	68	1585	0.1483	
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		0.1483	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

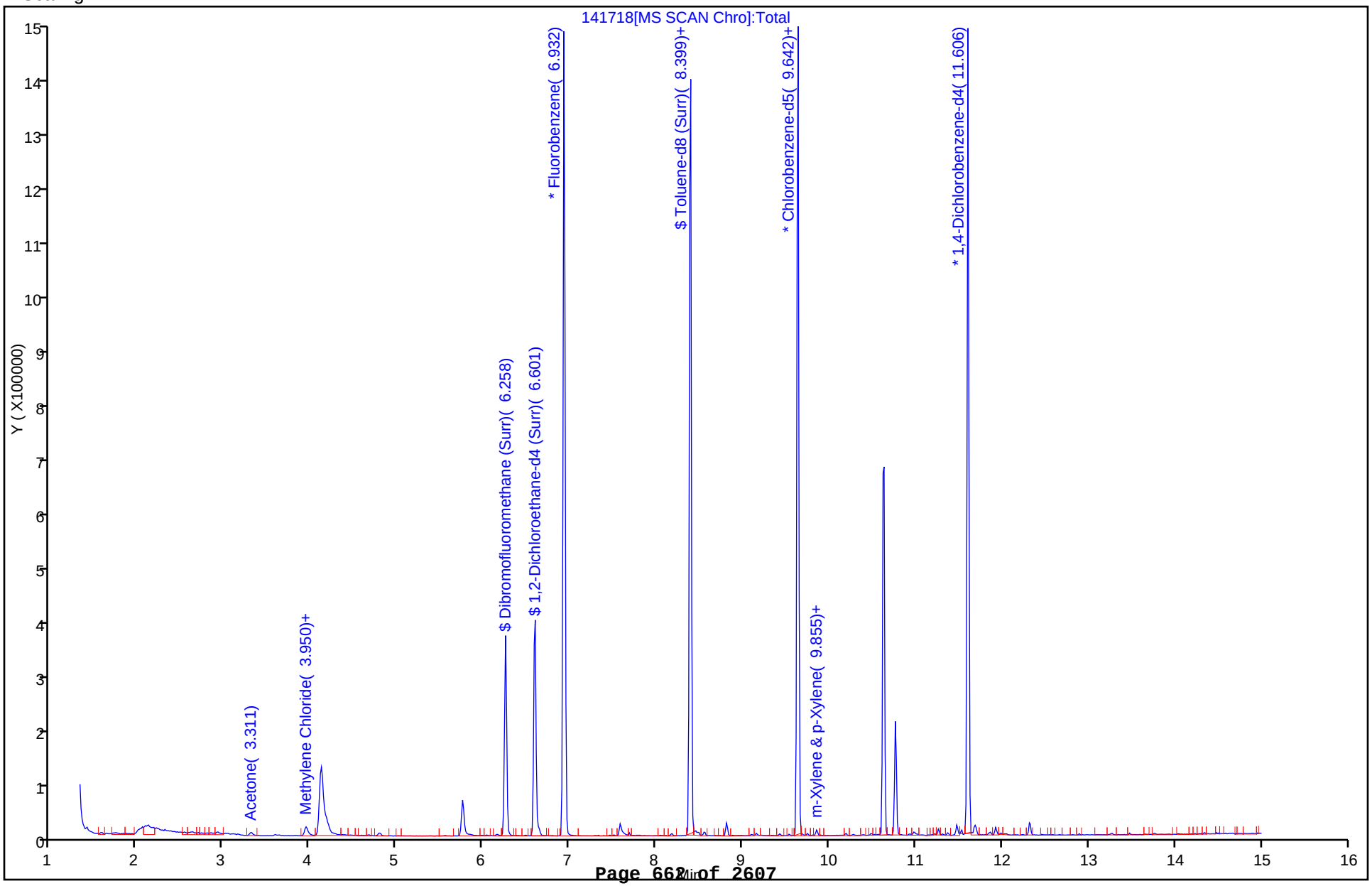
Report Date: 04-Apr-2013 10:46:21 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141718.D

Injection Date:	02-Apr-2013 20:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80302	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



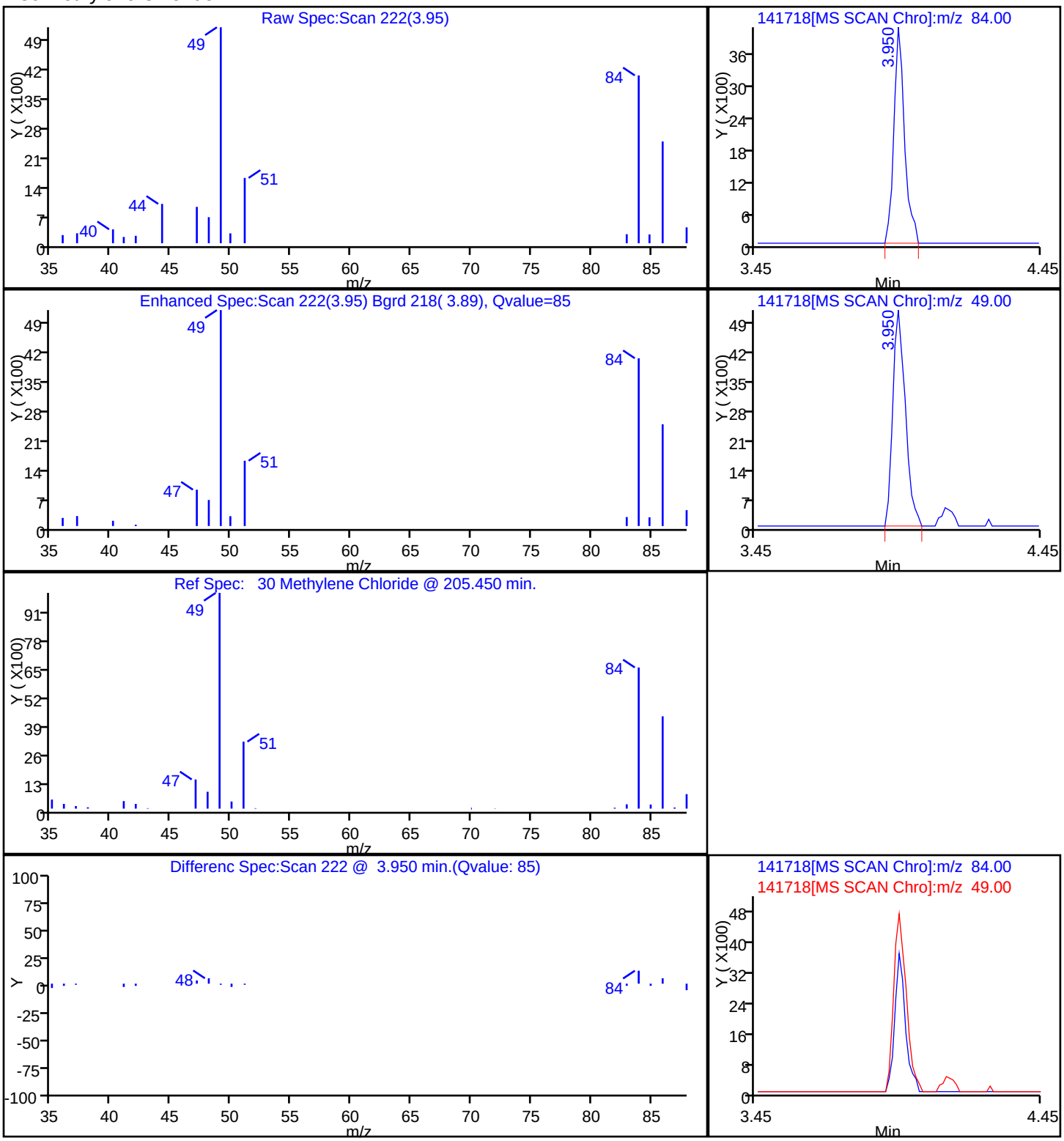
Report Date: 04-Apr-2013 10:46:21 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141718.D

Injection Date:	02-Apr-2013 20:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80302	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO | Lab Sample ID: 240-22488-23

Matrix: Solid | Lab File ID: 141743.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 16:45

Sample wt/vol: 4.096(g) | Date Analyzed: 04/03/2013 14:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 | Level: (low/med) Low

Analysis Batch No.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	34		33	10	10
71-43-2	Benzene	0.82	U	8.2	0.82	0.38
74-97-5	Bromochloromethane	1.6	U	8.2	1.6	1.2
75-27-4	Bromodichloromethane	0.82	U	8.2	0.82	0.46
75-25-2	Bromoform	0.82	U	8.2	0.82	0.54
74-83-9	Bromomethane	1.6	U	8.2	1.6	0.88
78-93-3	2-Butanone (MEK)	4.0	J	33	3.3	2.3
75-15-0	Carbon disulfide	0.82	U	8.2	0.82	0.72
56-23-5	Carbon tetrachloride	0.82	U	8.2	0.82	0.60
108-90-7	Chlorobenzene	0.82	U	8.2	0.82	0.54
75-00-3	Chloroethane	1.6	U	8.2	1.6	1.4
67-66-3	Chloroform	0.82	U	8.2	0.82	0.47
74-87-3	Chloromethane	0.82	U	8.2	0.82	0.67
10061-01-5	cis-1,3-Dichloropropene	0.82	U	8.2	0.82	0.55
124-48-1	Dibromochloromethane	1.6	U	8.2	1.6	0.90
106-93-4	1,2-Dibromoethane	1.6	U	8.2	1.6	0.82
75-34-3	1,1-Dichloroethane	0.82	U	8.2	0.82	0.59
107-06-2	1,2-Dichloroethane	0.82	U	8.2	0.82	0.55
75-35-4	1,1-Dichloroethene	1.6	U	8.2	1.6	0.85
540-59-0	1,2-Dichloroethene, Total	1.6	U	16	1.6	1.3
78-87-5	1,2-Dichloropropane	1.6	U	8.2	1.6	1.1
100-41-4	Ethylbenzene	0.82	U	8.2	0.82	0.42
591-78-6	2-Hexanone	1.6	U	33	1.6	1.0
75-09-2	Methylene Chloride	2.1	J B	8.2	1.6	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.6	U	33	1.6	0.88
100-42-5	Styrene	0.82	U	8.2	0.82	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.82	U	8.2	0.82	0.55
127-18-4	Tetrachloroethene	1.6	U	8.2	1.6	0.85
108-88-3	Toluene	0.82	U	8.2	0.82	0.44
10061-02-6	trans-1,3-Dichloropropene	1.6	U	8.2	1.6	0.88
71-55-6	1,1,1-Trichloroethane	1.6	U	8.2	1.6	0.91
79-00-5	1,1,2-Trichloroethane	0.82	U	8.2	0.82	0.64
79-01-6	Trichloroethene	0.82	U	8.2	0.82	0.69
75-01-4	Vinyl chloride	0.82	U	8.2	0.82	0.64
1330-20-7	Xylenes, Total	2.4	U	16	2.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: 141743.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 16:45

Sample wt/vol: 4.096(g) Date Analyzed: 04/03/2013 14:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.2 Level: (low/med) Low

Analysis Batch No.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	124	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	89		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		61-130
2037-26-5	Toluene-d8 (Surr)	114		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141743.D
Lims ID: 240-22488-C-23-A Client ID: 079SS-0053M-0001-SO
Inject. Date: 03-Apr-2013 14:32:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22488-c-23-a
Misc. Info.: 240-0018501-012 =240-0018501-012
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 80388 Lims Sample ID: 12
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 15:10:38

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	832792	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	474284	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	155620	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	58	196649	44.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	264156	55.1	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	808461	56.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	205520	62.1	
13 Chloromethane	50		1.643					
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.116					9
16 Chloroethane	64		2.234					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.311	0.012	97	29264	21.1	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.962	3.950	0.012	84	5830	1.30	
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	5.760	5.749	0.011	24	4112	2.43	
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.257					
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		8.293					9
72 Toluene	91	8.447	8.458	-0.011	56	2199	0.1376	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.802					
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
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		10.363					
90 1,1,2,2-Tetrachloroethane	83		10.742					9
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

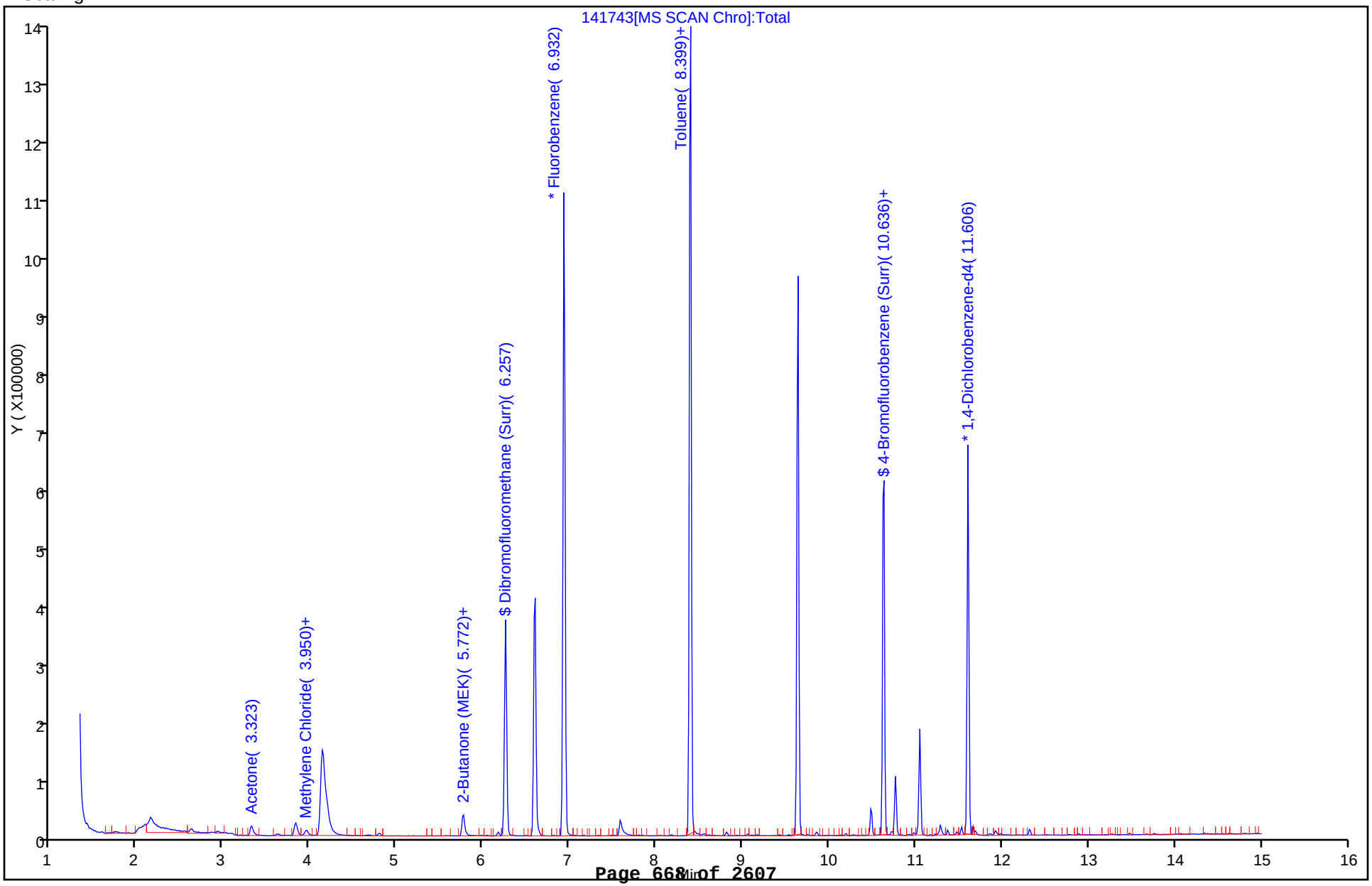
Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141743.D

Injection Date:	03-Apr-2013 14:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



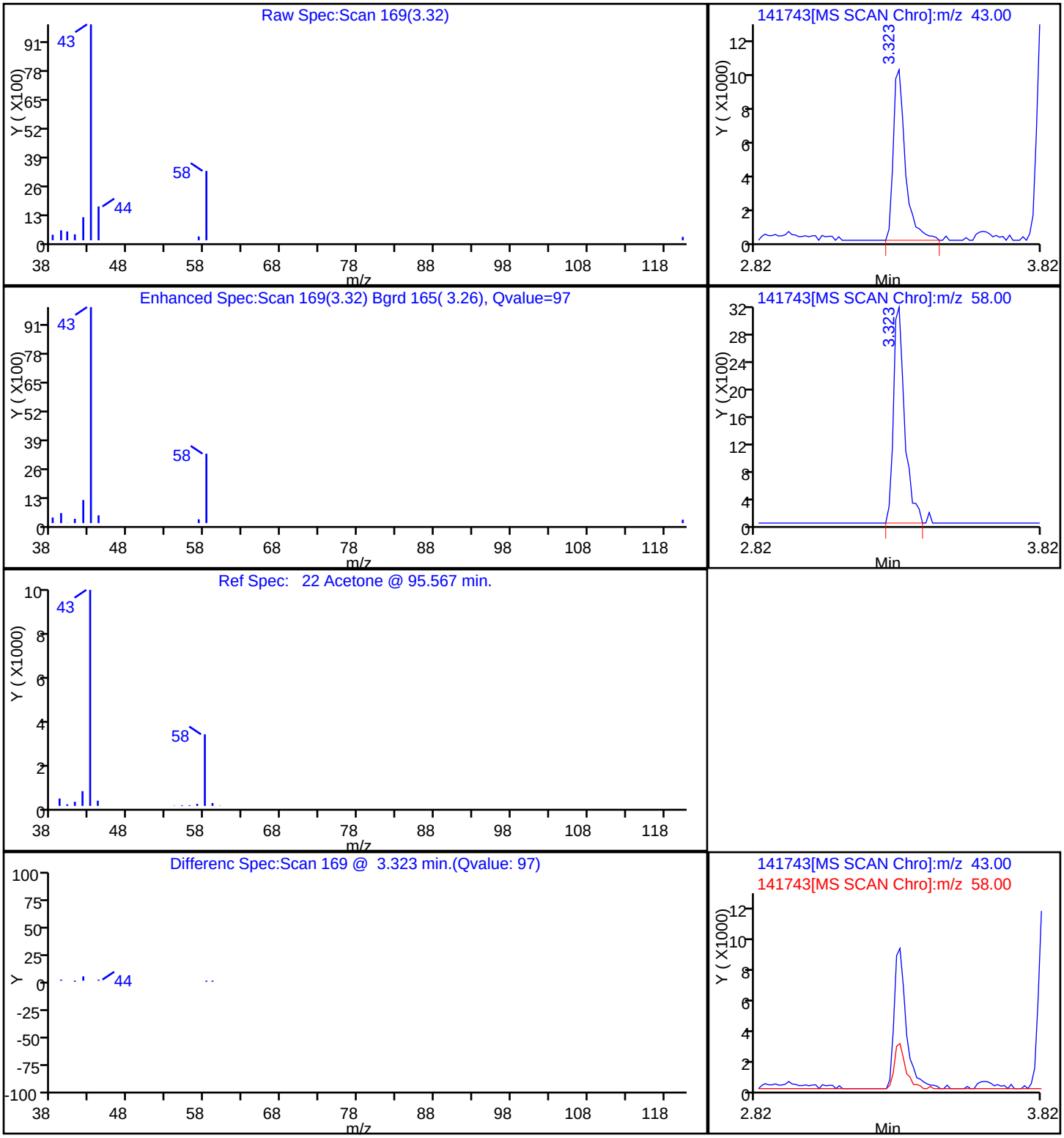
Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141743.D

Injection Date:	03-Apr-2013 14:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

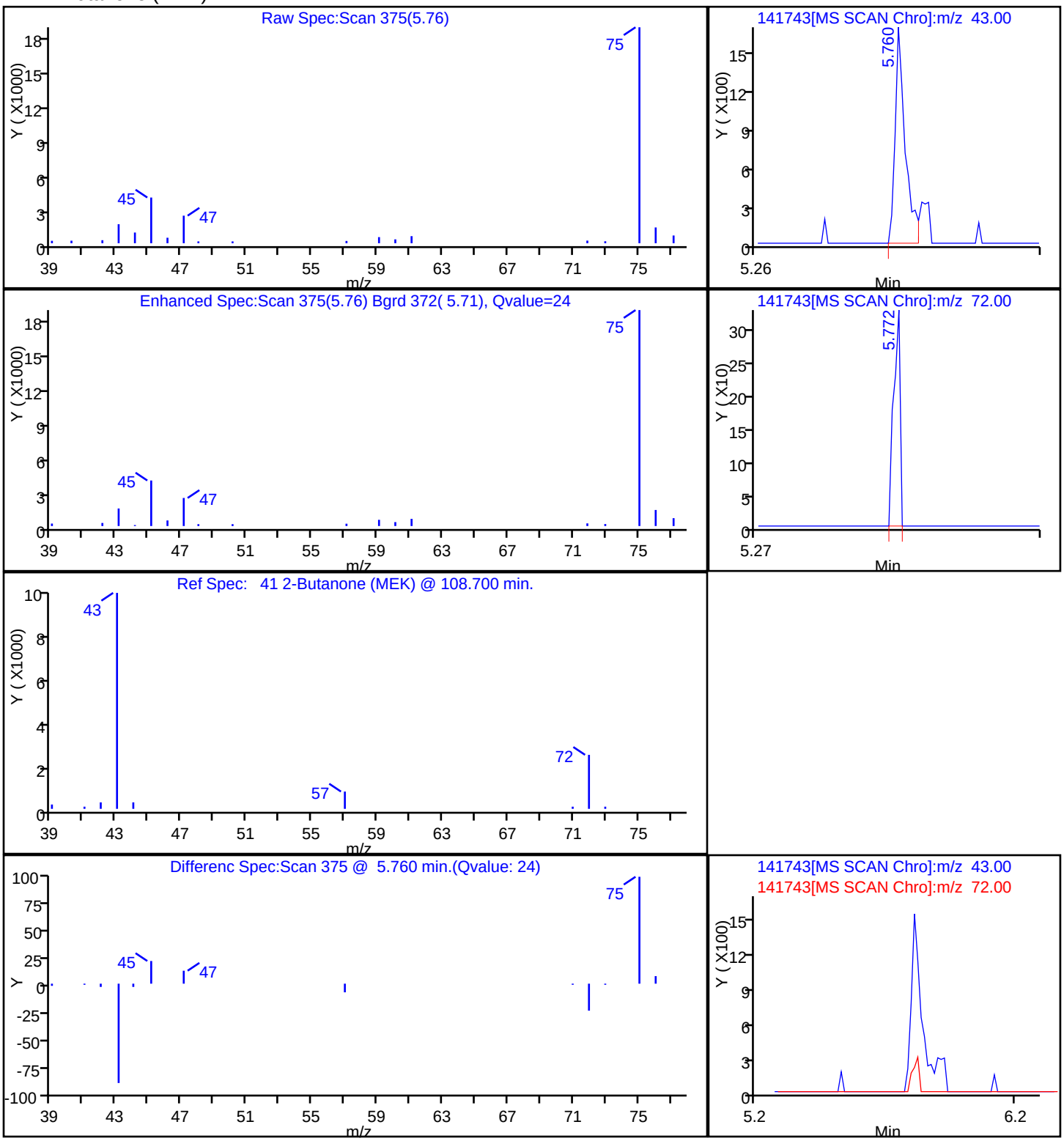


Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\141743.D		
Injection Date:	03-Apr-2013 14:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



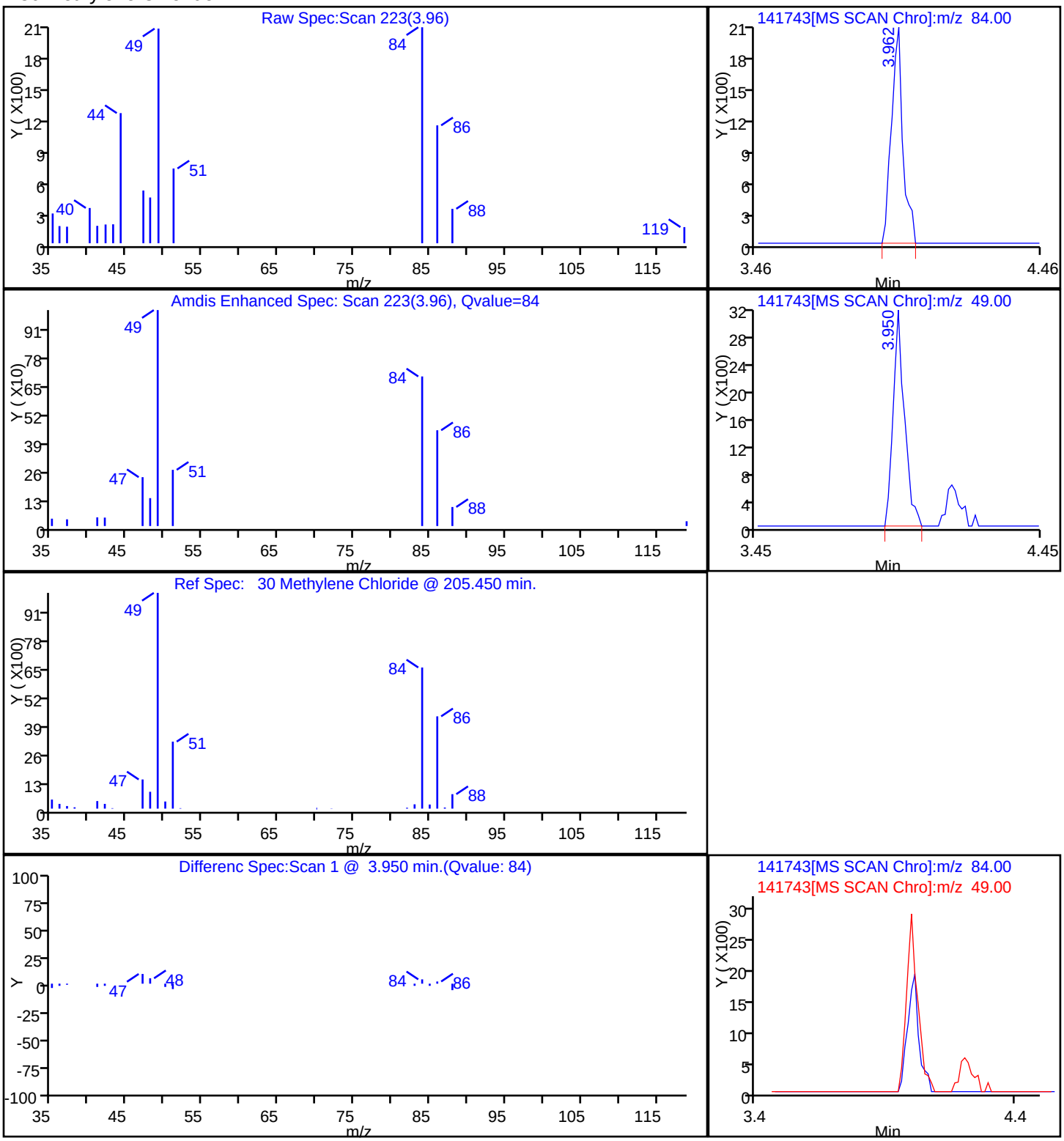
Report Date: 04-Apr-2013 10:47:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141743.D

Injection Date:	03-Apr-2013 14:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 240-22488-25

Matrix: Water | Lab File ID: UXR3285.D

Analysis Method: 8260B/DoD | Date Collected: 03/25/2013 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 13:55

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	9.4	J	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	1.2		1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 240-22488-25

Matrix: Water Lab File ID: UXR3285.D

Analysis Method: 8260B/DoD Date Collected: 03/25/2013 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 13:55

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)	93		70-120
460-00-4	4-Bromofluorobenzene (Surr)	77		75-120
1868-53-7	Dibromofluoromethane (Surr)	95		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3285.D
Lims ID: 240-22488-B-25 Client ID: TRIP BLANK
Inject. Date: 08-Apr-2013 13:55:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018651-007
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 81013 Lims Sample ID: 7
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 14:43:30

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	1906086	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	88	1327755	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	95	608013	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.630	4.629	0.001	58	416596	9.48	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.914	4.913	0.001	0	535845	9.29	
$ 7 Toluene-d8 (Surr)	98	6.570	6.570	0.0	93	1607678	8.70	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.984	0.0	90	538430	7.73	
13 Chloromethane	50		1.695					9
14 Vinyl chloride	62		1.789					
16 Bromomethane	94		2.085					
17 Chloroethane	64		2.168					
23 1,1-Dichloroethene	96		2.807					
24 Acetone	43	2.831	2.819	0.012	96	126123	9.36	
27 Carbon disulfide	76		3.008					9
31 Methylene Chloride	84	3.198	3.197	0.001	95	107590	1.22	
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	4.239	0.0	57	11166	0.5013	
48 Chlorobromomethane	128		4.440					
50 Chloroform	83		4.499					
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	6.428	6.440	-0.012	54	8618	0.1891	
73 Toluene	91		6.629					
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					9
89 o-Xylene	106		8.487					
90 Styrene	104		8.499					9
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

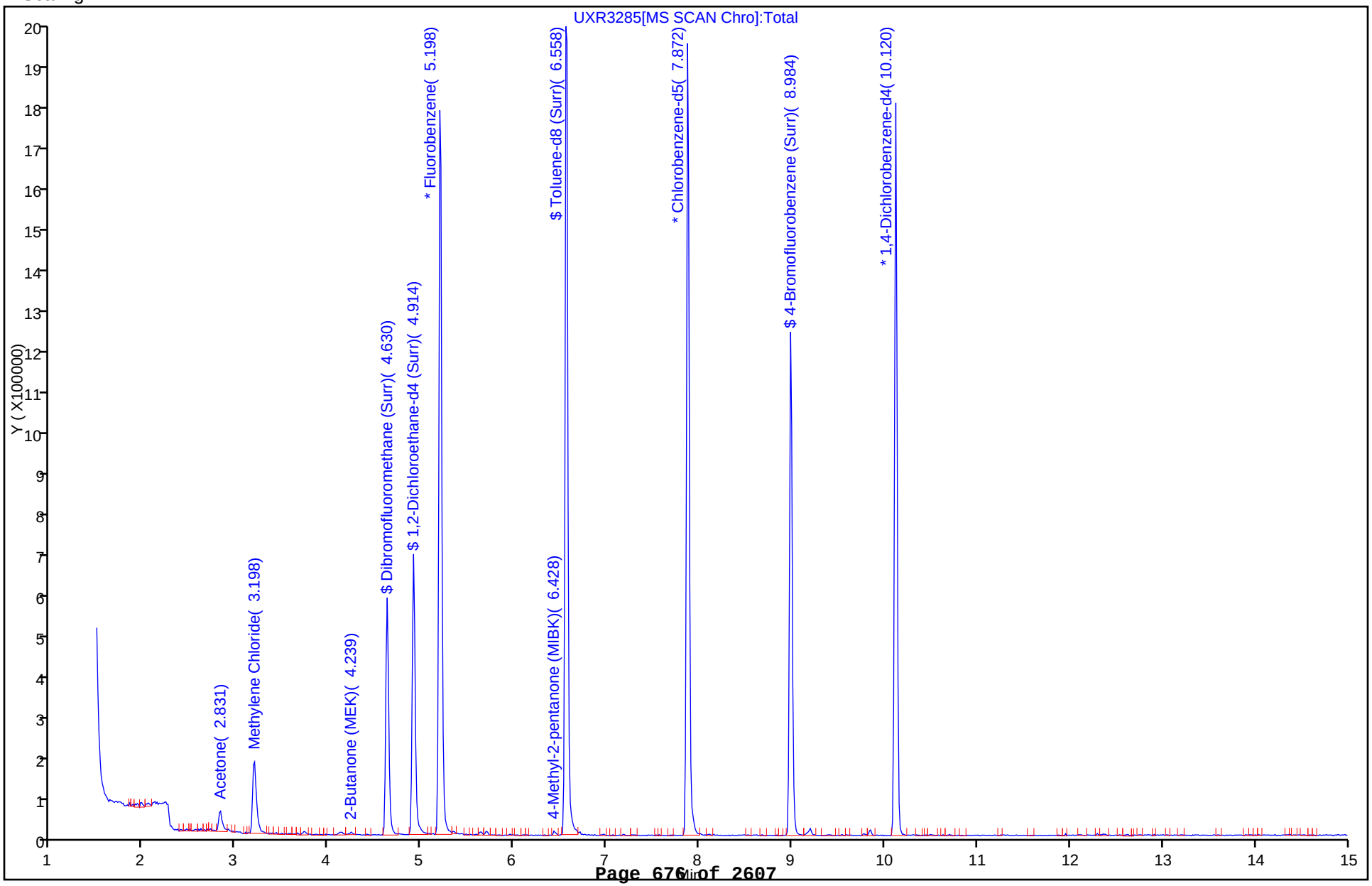
Report Date: 09-Apr-2013 08:45:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3285.D

Injection Date:	08-Apr-2013 13:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	TRIP BLANK	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



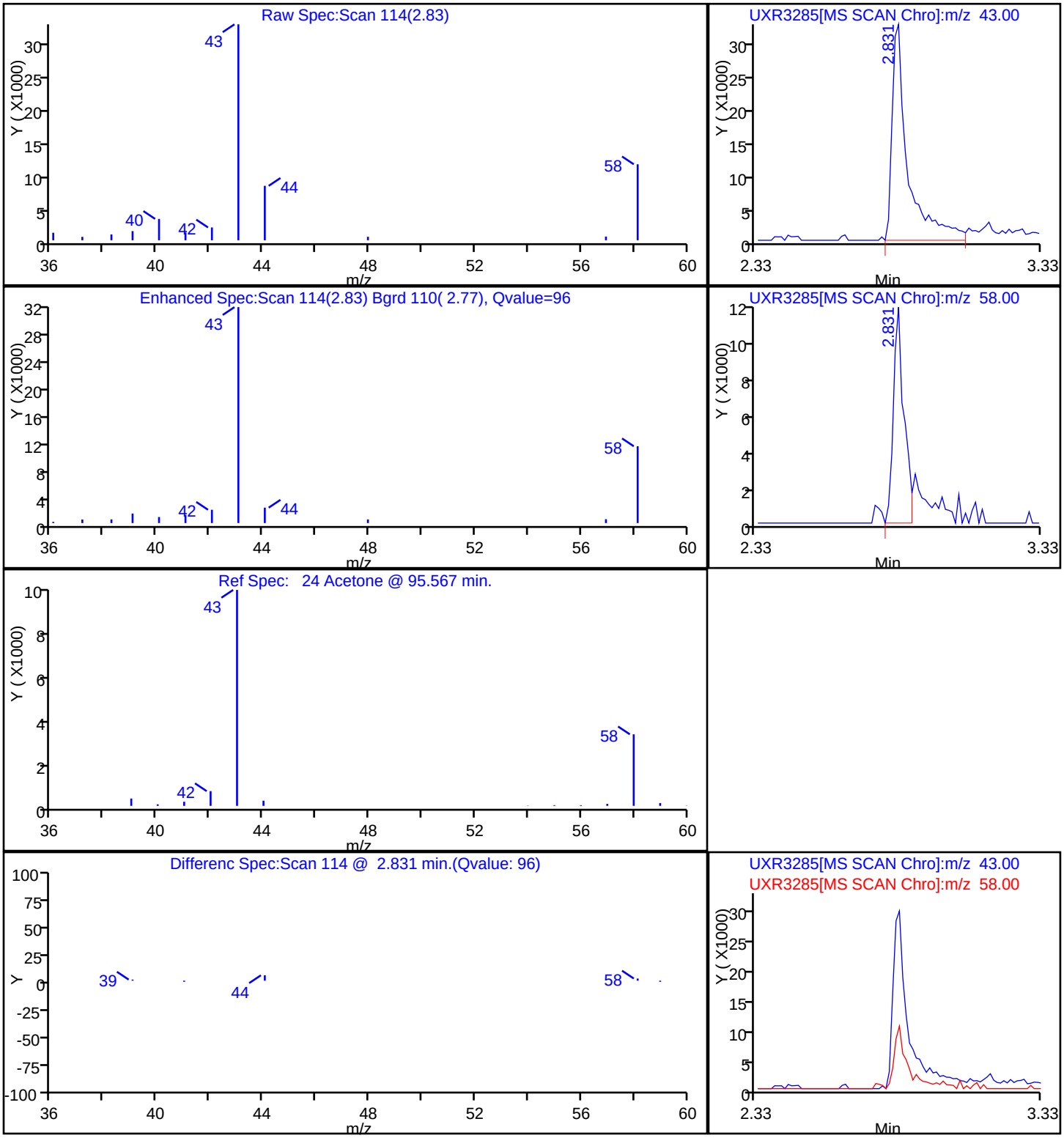
Report Date: 09-Apr-2013 08:45:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3285.D

Injection Date:	08-Apr-2013 13:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	TRIP BLANK	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

24 Acetone



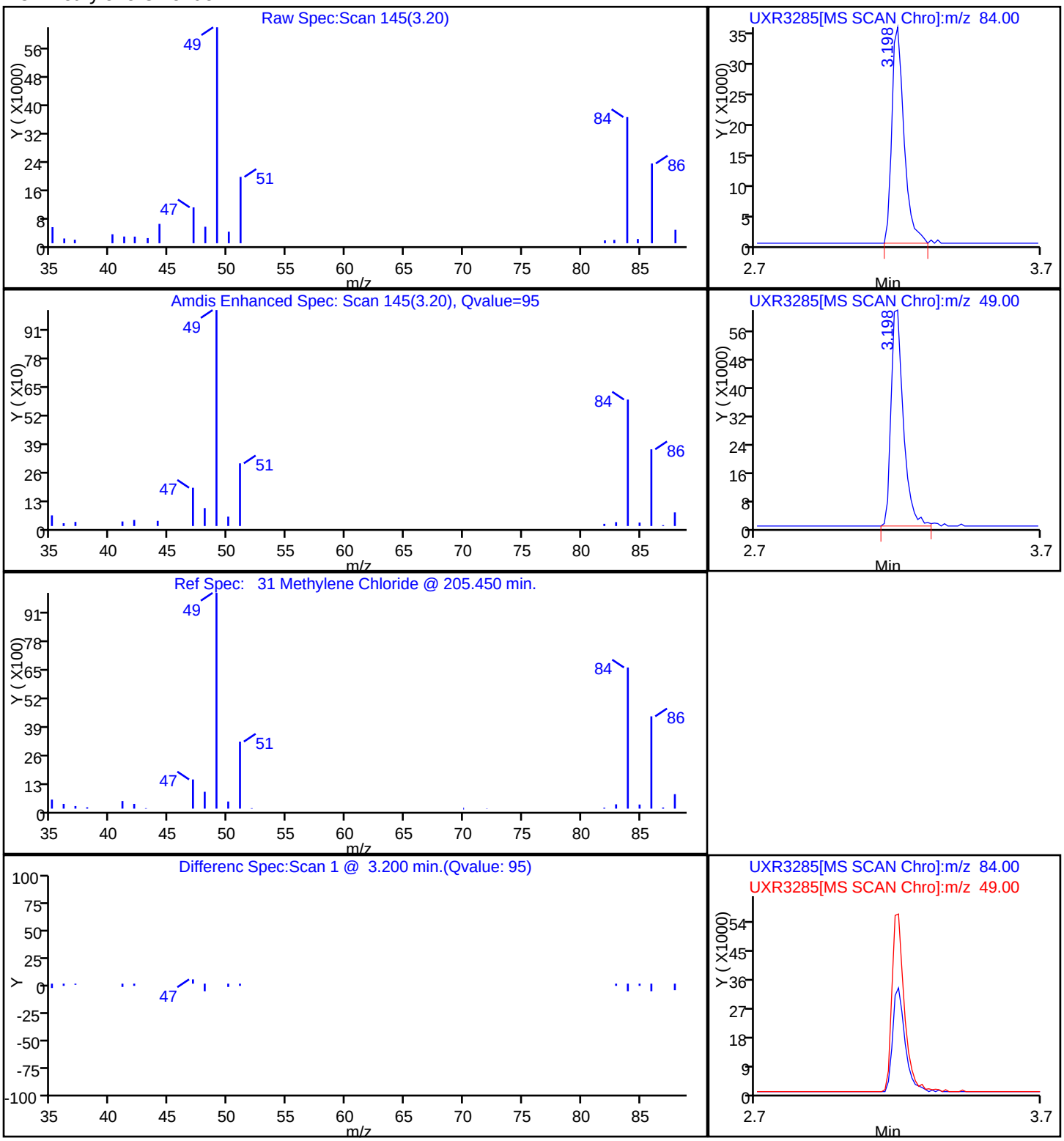
Report Date: 09-Apr-2013 08:45:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3285.D

Injection Date:	08-Apr-2013 13:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	TRIP BLANK	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	7
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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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	

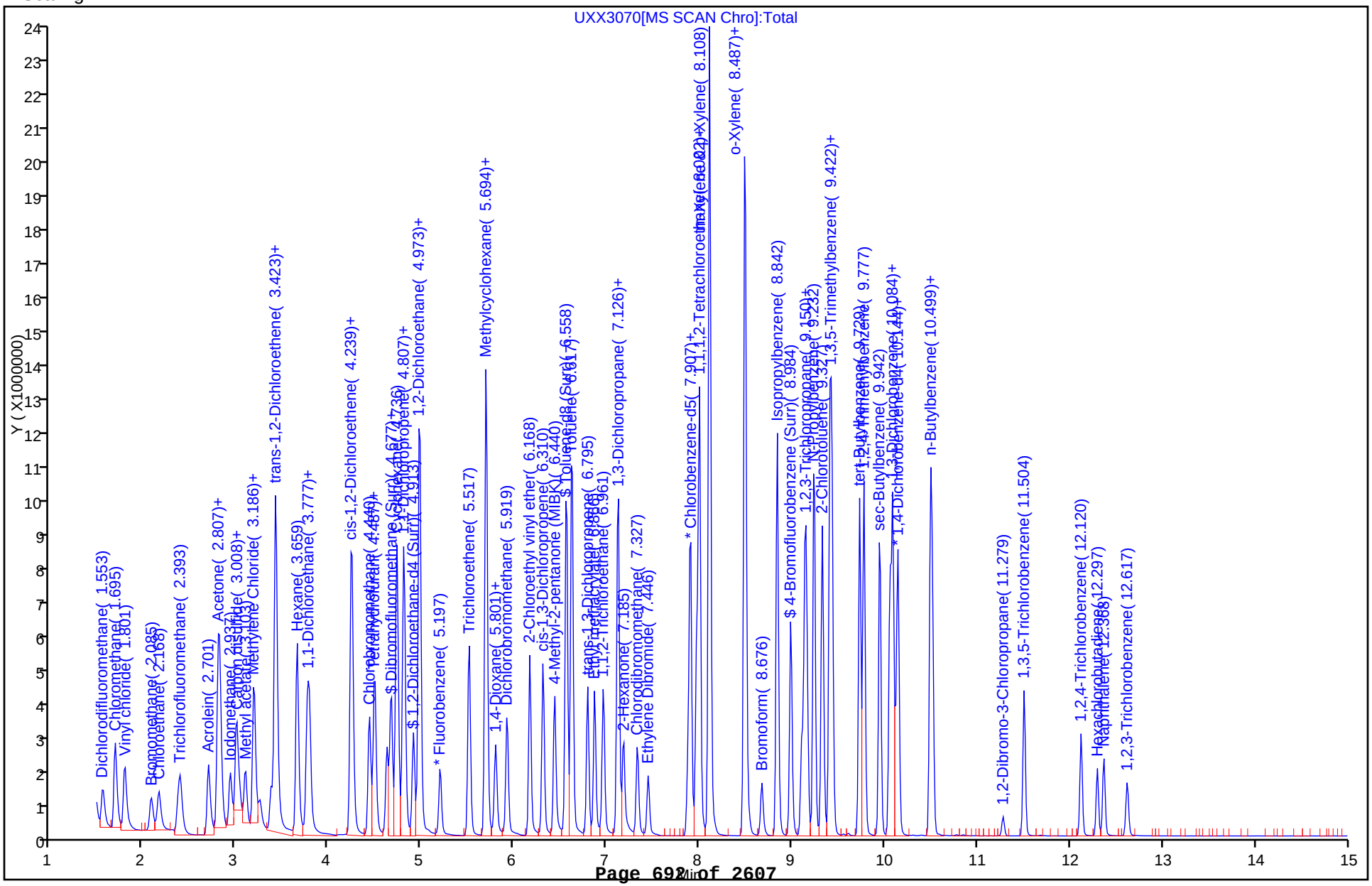
Report Date: 03-Apr-2013 11:29:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

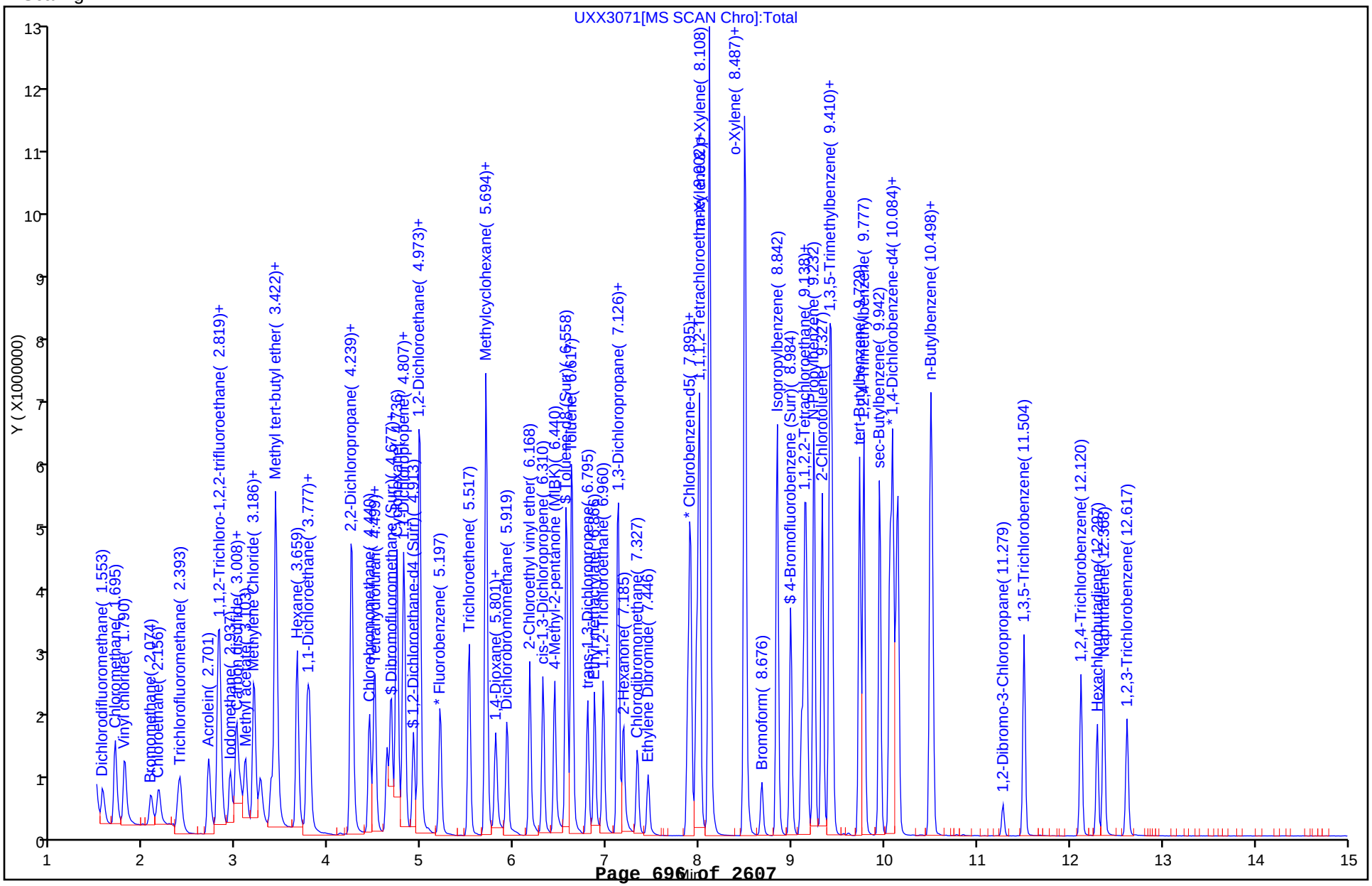
Report Date: 03-Apr-2013 11:29:05 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

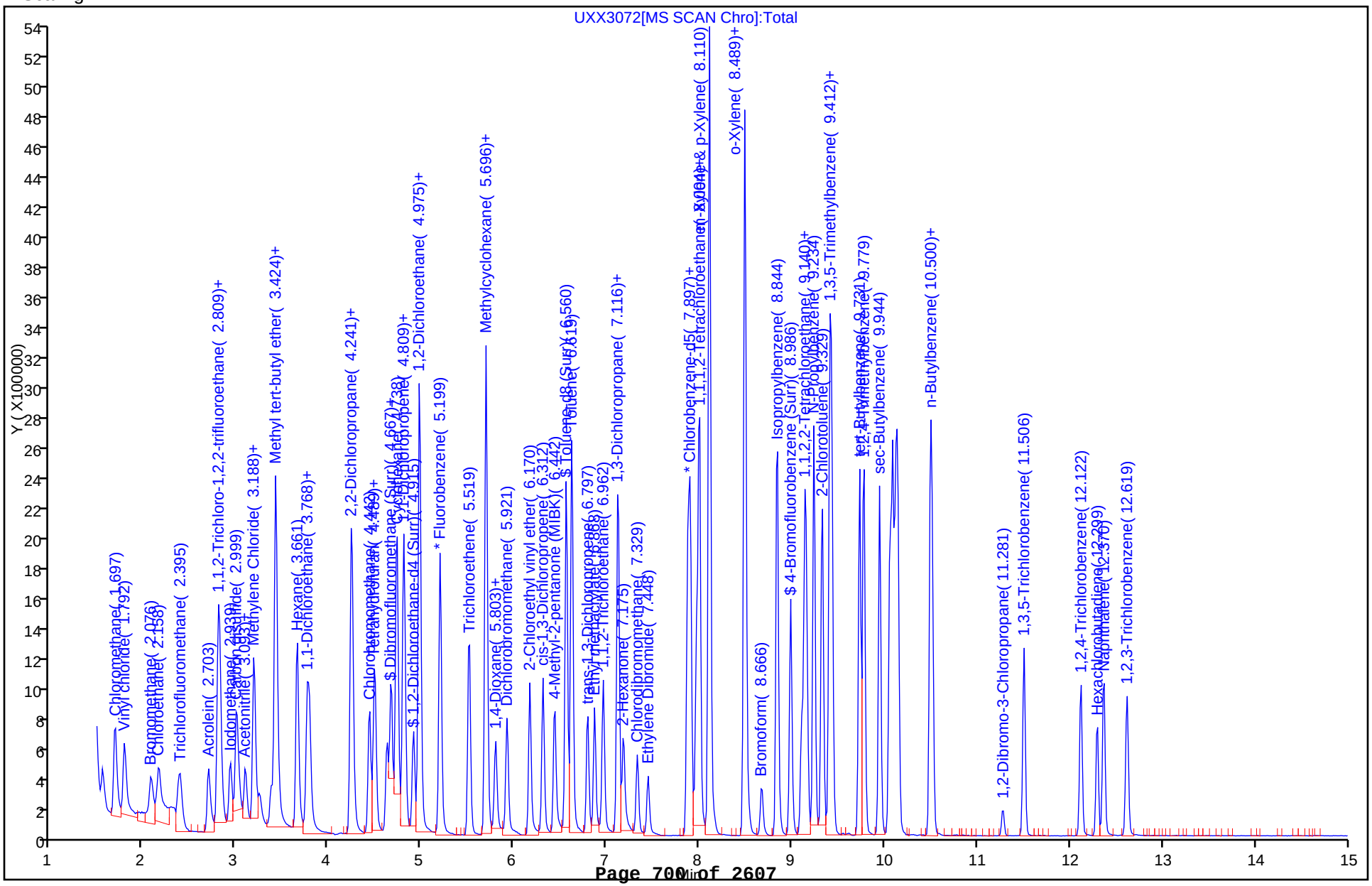
Report Date: 03-Apr-2013 11:29:06 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

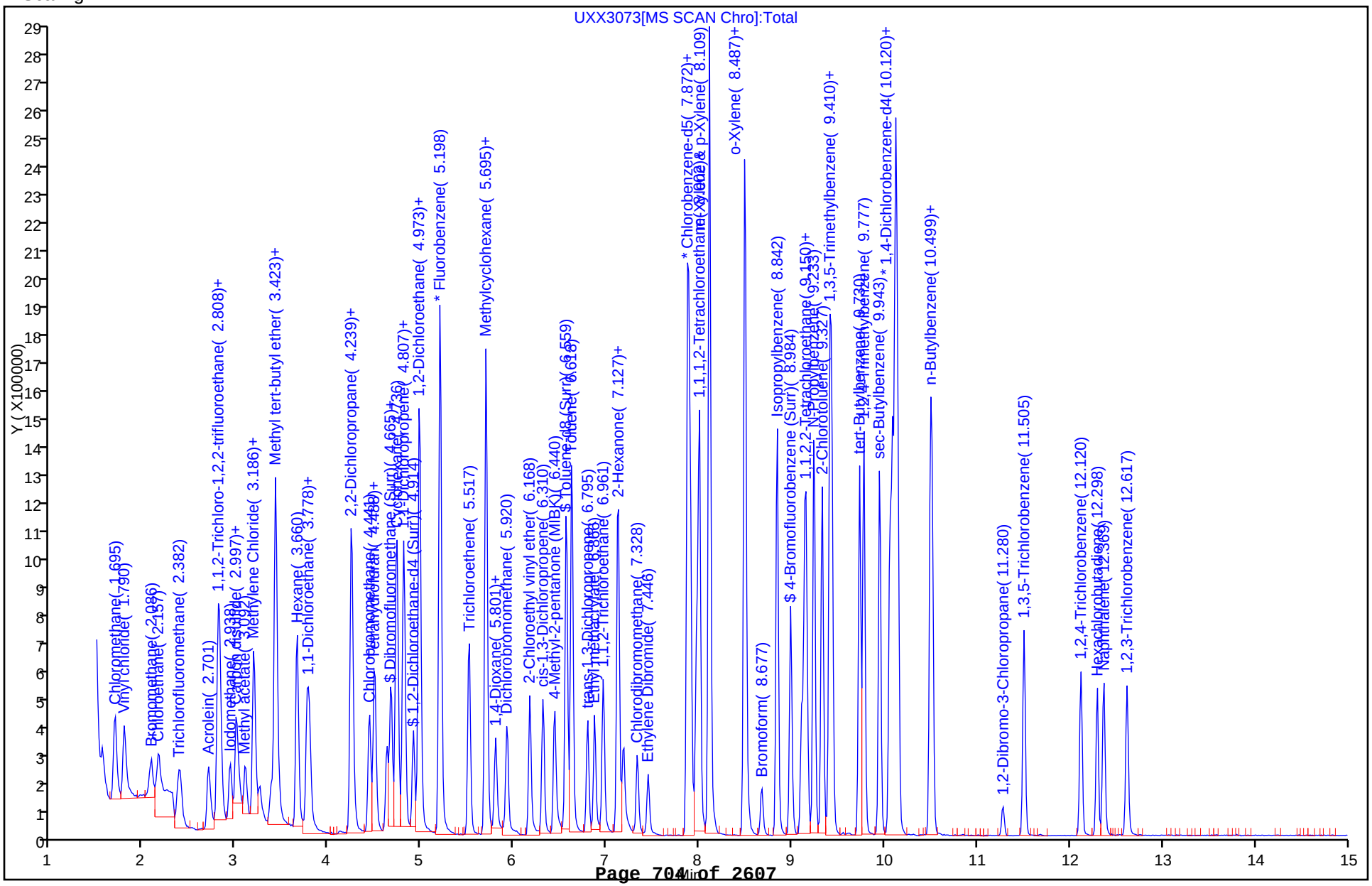
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

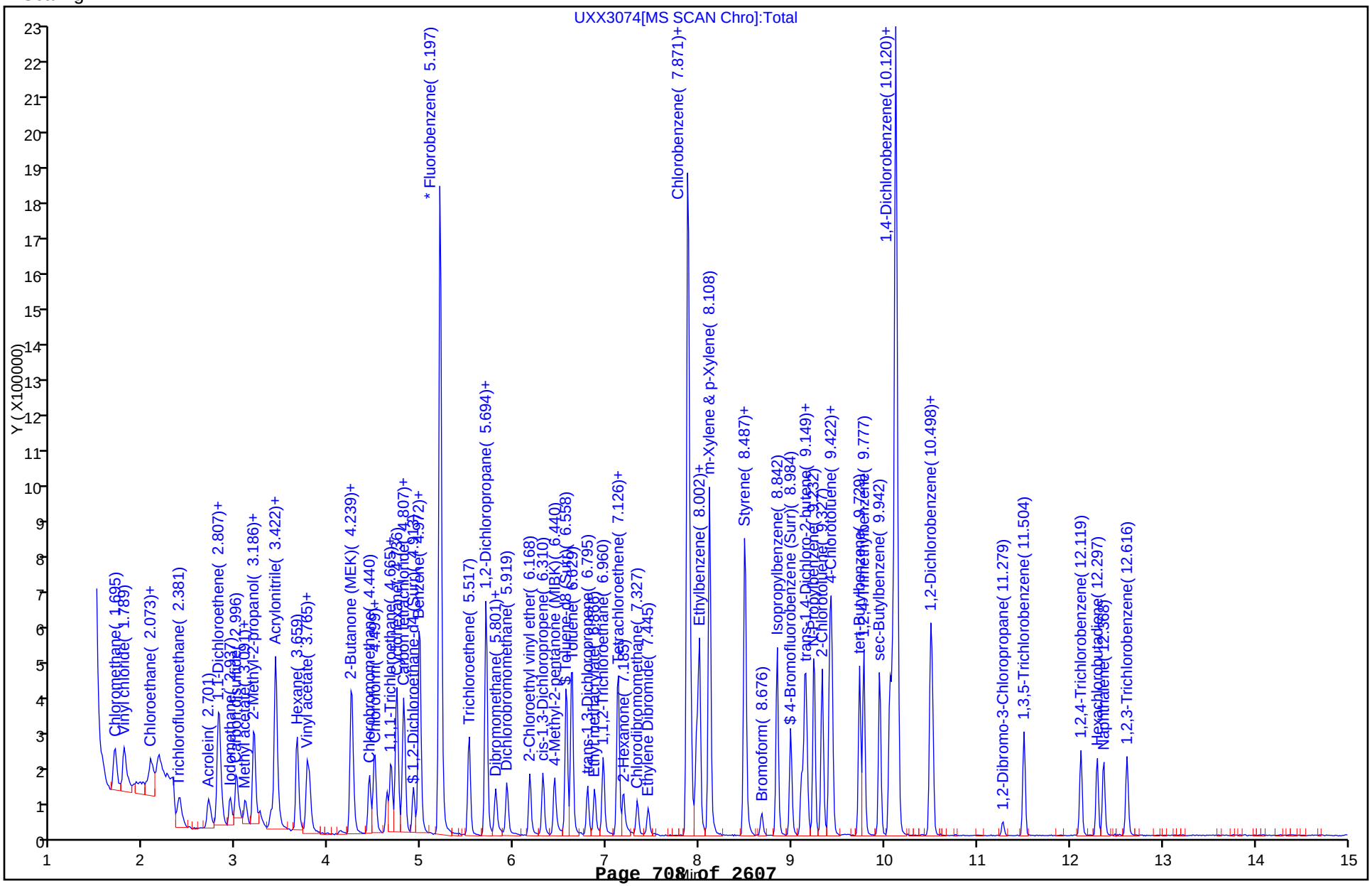
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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	

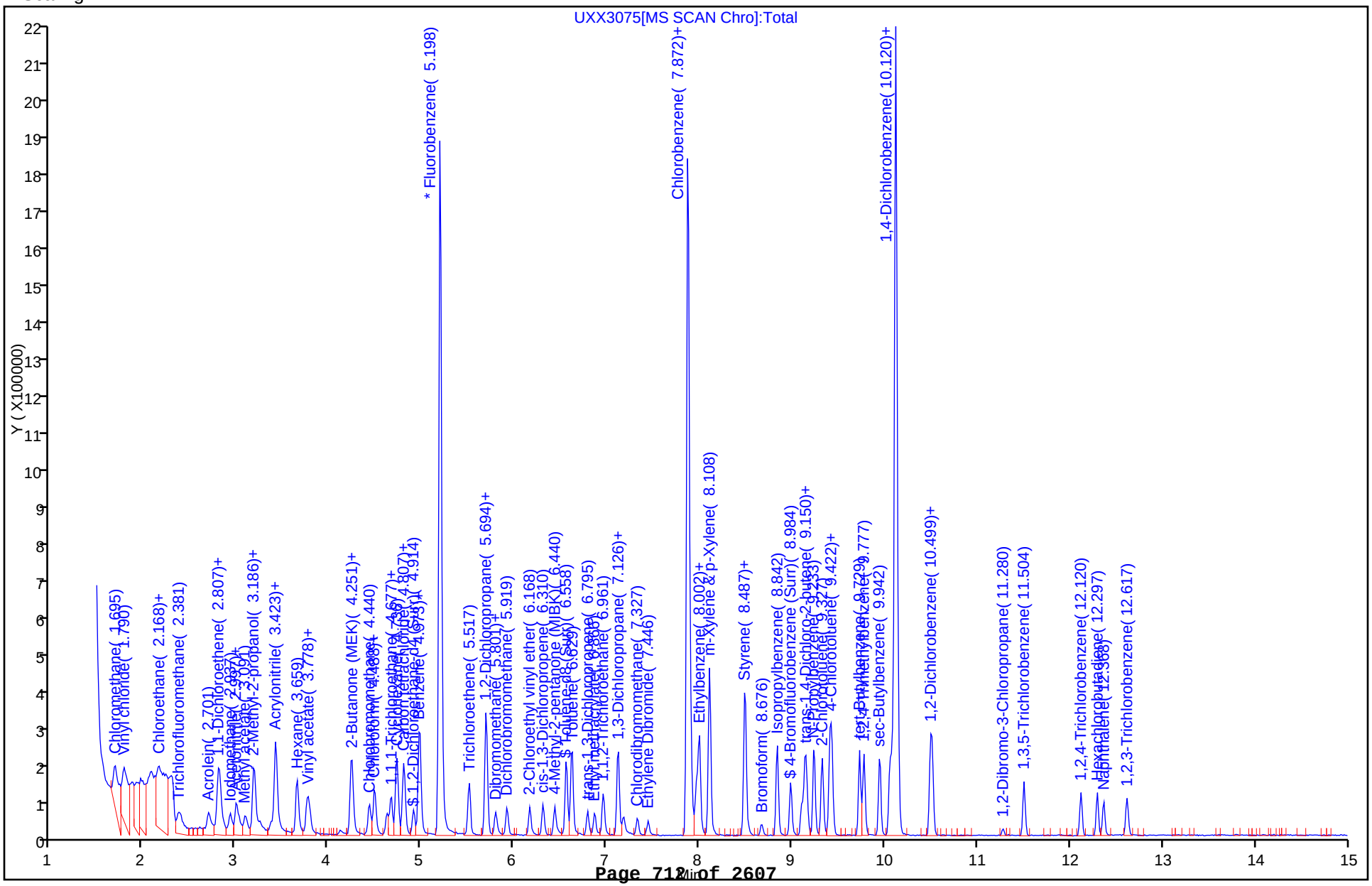
Report Date: 03-Apr-2013 11:29:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22488-1 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.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 0.6299	+++++ 0.6770	0.4409 0.7217	0.4534 0.7250	0.5366	Lin1	-2.215	0.7209			0.1000				0.9980		0.9950
3-Chloro-1-propene	+++++ 0.1430	+++++ 0.1458	0.1110 0.1516	0.1108 0.1530	0.1315	Ave		0.1352				13.0		15.0			
Methyl acetate	0.1722 0.1710	0.1765 0.1691	0.1728 0.1715	0.1590 0.1726	0.1736	Ave		0.1709			0.1000	2.9		15.0			
Methylene Chloride	+++++ 0.2556	+++++ 0.2468	0.3303 0.2480	0.2827 0.2480	0.2755	Ave		0.2696			0.1000	11.0		15.0			
2-Methyl-2-propanol	0.0212 0.0164	0.0178 0.0173	0.0183 0.0159	0.0142 0.0159	0.0163	Ave		0.0170				12.0		15.0			
Acrylonitrile	0.0838 0.0820	0.0869 0.0824	0.0814 0.0831	0.0759 0.0838	0.0821	Ave		0.0824				3.5		15.0			
trans-1,2-Dichloroethene	0.2315 0.2772	0.2442 0.2727	0.2698 0.2759	0.2595 0.2759	0.2711	Ave		0.2642			0.1000	6.1		15.0			
Methyl tert-butyl ether	0.5261 0.6109	0.5976 0.6150	0.5887 0.6288	0.5559 0.6423	0.6002	Ave		0.5962			0.1000	6.0		15.0			
Hexane	0.0589 0.0725	0.0711 0.0728	0.0754 0.0754	0.0710 0.0767	0.0760	Ave		0.0722				7.5		15.0			
1,1-Dichloroethane	0.4346 0.5093	0.5050 0.5056	0.4791 0.5170	0.4618 0.5255	0.5028	Ave		0.4934			0.1000	5.9		15.0			
Vinyl acetate	0.0294 0.0435	0.0373 0.0469	0.0350	0.0390	0.0402	Ave		0.0388				15.0		15.0			
2,2-Dichloropropane	+++++ 0.2427	+++++ 0.2578	0.1939 0.2579	0.1965 0.2524	0.2248	Ave		0.2323				12.0		15.0			
cis-1,2-Dichloroethene	0.2654 0.2929	0.2684 0.2915	0.2909 0.2933	0.2742 0.2928	0.2913	Ave		0.2845			0.1000	4.1		15.0			
2-Butanone (MEK)	+++++ 0.1012	+++++ 0.1037	0.1074 0.1018	0.0943 0.1035	0.1001	Ave		0.1017			0.0500	4.0		15.0			
Bromochloromethane	0.1085 0.1335	0.1232 0.1330	0.1303 0.1351	0.1191 0.1352	0.1296	Ave		0.1275				7.1		15.0			
Tetrahydrofuran	0.0816 0.0667	0.0762 0.0673	0.0682 0.0670	0.0630 0.0670	0.0683	Ave		0.0695				8.2		15.0			
Chloroform	0.3787 0.4507	0.4159 0.4392	0.4227 0.4479	0.4030 0.4534	0.4386	Ave		0.4278				5.9		15.0			
1,1,1-Trichloroethane	+++++ 0.3477	+++++ 0.3577	0.2839 0.3642	0.2870 0.3606	0.3233	Ave		0.3321			0.1000	10.0		15.0			
Cyclohexane	0.3872 0.5310	0.4665 0.5255	0.4940 0.5298	0.4940 0.5334	0.5270	Ave		0.4987			0.1000	9.6		15.0			
1,1-Dichloropropene	0.3028 0.3554	0.3193 0.3514	0.3506 0.3533	0.3333 0.3591	0.3536	Ave		0.3421				5.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.3324	+++++ 0.3489	0.2584 0.3653	0.2654 0.3747	0.3055	Ave		0.3215			0.1000	14.0		15.0			
Isobutyl alcohol	0.0073 0.0068	0.0070 0.0072	0.0068 0.0072	0.0061 0.0073	0.0067	Ave		0.0069				5.4		15.0			
Benzene	1.0390 1.0712	1.0450 1.0569	1.0968 1.0668	1.0216 1.0732	1.0690	Ave		1.0599			0.5000	2.1		15.0			
1,2-Dichloroethane	0.3427 0.3383	0.3492 0.3339	0.3493 0.3441	0.3241 0.3486	0.3422	Ave		0.3414			0.1000	2.4		15.0			
n-Heptane	0.0717 0.0879	0.0783 0.0865	0.0842 0.0890	0.0820 0.0906	0.0865	Ave		0.0841				7.1		15.0			
Trichloroethene	0.3189 0.3118	0.3184 0.3039	0.3173 0.3074	0.2895 0.3116	0.3120	Ave		0.3101			0.2000	3.0		15.0			
Methylcyclohexane	0.3612 0.4847	0.3880 0.4711	0.4739 0.4750	0.4492 0.4783	0.4807	Ave		0.4513			0.1000	10.0		15.0			
1,2-Dichloropropane	0.2323 0.2776	0.2468 0.2725	0.2703 0.2765	0.2536 0.2811	0.2745	Ave		0.2650			0.1000	6.3		15.0			
Dibromomethane	0.1292 0.1268	0.1265 0.1273	0.1165 0.1301	0.1169 0.1310	0.1250	Ave		0.1255				4.2		15.0			
1,4-Dioxane	0.0017 0.0018	0.0020 0.0019	0.0019 0.0019	0.0019 0.0019	0.0020	Ave		0.0019				4.7		15.0			
Bromodichloromethane	0.1665 0.2811	0.1848 0.2931	0.2074 0.3125	0.2126 0.3184	0.2476	Lin1	-0.292	0.3084			0.1000				0.9970		0.9950
2-Chloroethyl vinyl ether	0.0825 0.1062	0.0843 0.1097	0.0945 0.1122	0.0962 0.1145	0.1061	Ave		0.1007				12.0		15.0			
cis-1,3-Dichloropropene	0.1858 0.3458	0.2012 0.3620	0.2358 0.3774	0.2671 0.3851	0.3115	Lin1	-0.372	0.3750			0.1500				0.9970		0.9950
4-Methyl-2-pentanone (MIBK)	0.2731 0.3154	0.2990 0.3142	0.2951 0.3193	0.2856 0.3128	0.3174	Ave		0.3035			0.0500	5.4		15.0			
Toluene	1.7149 1.7111	1.6767 1.6600	1.7241 1.6819	1.6298 1.6715	1.6960	Ave		1.6851			0.4000	1.8		15.0			
trans-1,3-Dichloropropene	0.2095 0.3897	0.2327 0.4076	0.2871 0.4383	0.2962 0.4393	0.3457	Lin1	-0.431	0.4288			0.1000				0.9970		0.9950
Ethyl methacrylate	0.2964 0.3630	0.2619 0.3706	0.3126 0.3790	0.3088 0.3754	0.3481	Ave		0.3351				12.0		15.0			
1,1,2-Trichloroethane	0.2428 0.2682	0.2425 0.2602	0.2645 0.2673	0.2508 0.2600	0.2728	Ave		0.2588			0.1000	4.3		15.0			
Tetrachloroethene	0.3039 0.3548	0.3419 0.3467	0.3661 0.3502	0.3533 0.3500	0.3540	Ave		0.3468			0.2000	5.0		15.0			
1,3-Dichloropropane	0.4492 0.4698	0.4610 0.4518	0.4877 0.4650	0.4496 0.4550	0.4750	Ave		0.4627				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Hexanone	0.1967 0.2018	0.1938 0.2051	0.2044 0.2057	0.1954 0.2047	0.2048	Ave		0.2014			0.0500	2.4		15.0			
Dibromochloromethane	+++++ 0.2720	+++++ 0.2932	0.1742 0.3182	0.1959 0.3198	0.2299	Lin1	-1.073	0.3172							0.9980		0.9950
1,2-Dibromoethane	0.2214 0.2692	0.2214 0.2623	0.2429 0.2655	0.2408 0.2583	0.2640	Ave		0.2495				7.5		15.0			
Chlorobenzene	1.0858 1.0420	1.0498 1.0089	1.0708 1.0365	1.0311 1.0162	1.0486	Ave		1.0433			0.3000	2.3		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3557	+++++ 0.3579	0.2892 0.3709	0.2852 0.3637	0.3227	Ave		0.3351				11.0		15.0			
Ethylbenzene	0.5044 0.5810	0.5717 0.5663	0.5809 0.5736	0.5559 0.5701	0.5730	Ave		0.5641				4.2		15.0			
m-Xylene & p-Xylene	0.7086 0.7106	0.6724 0.6899	0.7107 0.6995	0.6733 0.6943	0.7021	Ave		0.6957				2.1		15.0			
o-Xylene	0.6435 0.6789	0.6289 0.6572	0.6804 0.6702	0.6451 0.6492	0.6698	Ave		0.6581				2.7		15.0			
Styrene	0.8274 1.0726	0.8794 1.0793	1.0058 1.1202	0.9956 1.0814	1.0504	Ave		1.0124			0.3000	9.8		15.0			
Bromoform	0.0628 0.1351	0.0691 0.1519	0.0883 0.1774	0.0865 0.1789	0.1095	Qua	-0.414	0.1429	0.0002		0.1000				0.9990		0.9900
Isopropylbenzene	1.4863 1.8374	1.5543 1.8245	1.7522 1.8738	1.7222 1.8287	1.7586	Ave		1.7376			0.1000	7.7		15.0			
1,1,2,2-Tetrachloroethane	0.4922 0.6097	0.5319 0.6226	0.5699 0.6245	0.5698 0.6291	0.6105	Ave		0.5845			0.3000	8.1		15.0			
Bromobenzene	0.8794 0.9086	0.8894 0.8687	0.9230 0.8698	0.8658 0.8604	0.9141	Ave		0.8866				2.6		15.0			
1,2,3-Trichloropropane	0.2247 0.2006	0.1831 0.1983	0.2046 0.1924	0.1931 0.1937	0.1971	Ave		0.1986				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.1783 0.2011	0.1588 0.2040	0.1648 0.2115	0.1766 0.2174	0.1908	Ave		0.1893				11.0		15.0			
N-Propylbenzene	0.8714 1.1378	0.8984 1.1075	1.0966 1.0908	1.0721 1.0988	1.1150	Ave		1.0543				9.3		15.0			
2-Chlorotoluene	0.8478 0.9453	0.8256 0.9250	0.9440 0.9110	0.9111 0.9051	0.9257	Ave		0.9045				4.6		15.0			
1,3,5-Trimethylbenzene	2.4622 3.2341	2.6772 3.2175	3.0288 3.2310	2.9964 3.2278	3.1042	Ave		3.0199				9.1		15.0			
4-Chlorotoluene	0.8550 0.9611	0.9085 0.9200	0.9682 0.9121	0.9169 0.9125	0.9394	Ave		0.9215				3.6		15.0			
tert-Butylbenzene	2.3433 3.0252	2.4691 3.0304	2.9041 3.0351	2.8580 3.0099	2.9154	Ave		2.8434				9.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 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.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-80127/11	141673.D
Level 2	IC 240-80127/10	141672.D
Level 3	IC 240-80127/9	141671.D
Level 4	IC 240-80127/8	141670.D
Level 5	IC 240-80127/7	141669.D
Level 6	ICIS 240-80127/6	141668.D
Level 7	IC 240-80127/5	141667.D
Level 8	IC 240-80127/4	141666.D
Level 9	IC 240-80127/3	141665.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	5995 384066	12576 764747	37785	79303	150340	1.00 50.0	2.00 100	5.00	10.0	20.0
Chloromethane	FB	Ave	10249 482247	16733 949269	44791 1889964	96385 2174787	184845	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl chloride	FB	Ave	7109 391674	12858 791227	37022 1582302	78146 1888946	150215	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromomethane	FB	Ave	2964 114533	5800 232002	11372 467734	22917 587948	46385	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroethane	FB	Ave	3485 181388	6607 336051	17000 727475	35264 921111	66418	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dichlorofluoromethane	FB	Ave	10916 519005	19185 1014504	49773 2021495	103470 2500242	198146	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichlorofluoromethane	FB	Ave	8393 509898	17300 1015150	45747 2020341	98339 2509228	191645	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl ether	FB	Ave	6966 273001	11391 541542	28137 1083988	55319 1352454	111184	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acrolein	FB	Ave	+++++ 419888	+++++ 813789	40200 1625125	79077 2005921	160333	+++++ 500	+++++ 1000	50.0 2000	100 2500	200
1,1-Dichloroethene	FB	Ave	4996 309321	9746 606092	29452 1245442	57564 1537559	118436	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 266264	+++++ 529727	23261 1078206	49046 1305863	101906	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Acetone	FB	Lin1	+++++ 179967	+++++ 338437	28343 641818	40463 788160	73127	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Iodomethane	FB	Ave	7765 505260	16717 1026112	45850 2062602	94140 2485578	190805	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon disulfide	FB	Lin1	+++++ 809709	+++++ 1727805	55727 3637177	120702 4455446	270446	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3-Chloro-1-propene	FB	Ave	+++++ 183822	+++++ 372076	14025 764141	29497 940405	66288	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Methyl acetate	FB	Ave	21386 1099059	42269 2158500	109236 4320590	211623 5302324	437383	5.00 250	10.0 500	25.0 1000	50.0 1250	100
Methylene Chloride	FB	Ave	+++++ 328593	+++++ 630017	41745 1249829	75274 1523990	138859	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2-Methyl-2-propanol	FB	Ave	5264 210767	8538 441987	23079 801288	37847 974925	82181	10.0 500	20.0 1000	50.0 2000	100 2500	200
Acrylonitrile	FB	Ave	20805 1053509	41601 2102664	102856 4188923	202062 5148980	414053	10.0 500	20.0 1000	50.0 2000	100 2500	200
trans-1,2-Dichloroethene	FB	Ave	5750 356326	11699 696061	34102 1390446	69076 1695682	136663	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methyl tert-butyl ether	FB	Ave	13065 785249	28623 1569755	74407 3169088	147988 3947410	302544	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexane	FB	Ave	1463 93183	3406 185904	9535 380246	18891 471238	38311	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloroethane	FB	Ave	10792 654641	24191 1290314	60560 2605755	122950 3229819	253425	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl acetate	FB	Ave	731 55896	1788 119739	4426	10377	20238	1.00 50.0	2.00 100	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 311907	+++++ 657926	24512 1299900	52328 1550962	113299	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
cis-1,2-Dichloroethene	FB	Ave	6591 376473	12856 743893	36773 1478270	72998 1799354	146833	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Butanone (MEK)	FB	Ave	+++++ 260176	+++++ 529140	27138 1026432	50186 1272512	100893	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Bromochloromethane	FB	Ave	2694 171657	5903 339369	16473 681018	31707 831171	65302	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrahydrofuran	FB	Ave	4053 171507	7302 343757	17236 675319	33540 823102	68818	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Chloroform	FB	Ave	9406 579362	19920 1121062	53430 2257063	107287 2786714	221086	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 446980	+++++ 912874	35880 1835461	76406 2216376	162941	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Cyclohexane	FB	Ave	9617 682502	22347 1341219	62445 2670098	131522 3277951	265642	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloropropene	FB	Ave	7521 456847	15293 896731	44314 1780376	88740 2206944	178238	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon tetrachloride	FB	Ave	+++++ 427266	+++++ 890505	32666 1840945	70663 2302836	153965	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Isobutyl alcohol	FB	Ave	4531 218358	8364 461032	21481 904777	40734 1115325	84736	25.0 1250	50.0 2500	125 5000	250 6250	500

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzene	FB	Ave	25803 1376887	50055 2697424	138640 5376161	271978 6595955	538837	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane	FB	Ave	8511 434871	16727 852106	44154 1734215	86284 2142294	172468	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Heptane	FB	Ave	1780 113030	3750 220707	10649 448298	21837 556955	43622	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichloroethene	FB	Ave	7919 400779	15249 775617	40106 1549091	77074 1914749	157278	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methylcyclohexane	FB	Ave	8970 623015	18586 1202266	59905 2393962	119600 2939268	242287	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloropropane	FB	Ave	5770 356825	11822 695406	34166 1393475	67507 1727537	138377	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromomethane	FB	Ave	3208 162976	6061 324986	14731 655473	31110 805046	62992	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dioxane	FB	Ave	845 47479	1926 98385	4718 191864	10340 234353	19929	20.0 1000	40.0 2000	100 4000	200 5000	400
Bromodichloromethane	FB	Lin1	4134 361255	8854 747993	26212 1574921	56613 1956685	124799	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chloroethyl vinyl ether	FB	Ave	4097 272934	8079 559875	23890 1130814	51197 1407012	106910	2.00 100	4.00 200	10.0 400	20.0 500	40.0
cis-1,3-Dichloropropene	FB	Lin1	4615 444436	9636 923818	29809 1901930	71109 2366962	157008	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	8983 534541	18879 1085084	48609 2172432	99480 2665512	211843	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Toluene	CBZ	Ave	28207 1450184	52939 2866124	142007 5722077	283830 7121115	566046	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	3446 330257	7347 703694	23647 1490980	51586 1871674	115389	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl methacrylate	CBZ	Ave	4876 307669	8269 639857	25748 1289332	53776 1599198	116187	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloroethane	CBZ	Ave	3993 227277	7657 449289	21785 909290	43676 1107537	91031	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrachloroethene	CBZ	Ave	4998 300695	10795 598619	30153 1191518	61534 1491026	118145	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichloropropane	CBZ	Ave	7389 398186	14556 780007	40174 1581794	78294 1938642	158534	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Hexanone	CBZ	Ave	6470 342035	12238 708137	33674 1399595	68073 1744579	136713	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Dibromochloromethane	CBZ	Lin1	+++++ 230536	+++++ 506273	14348 1082498	34113 1362354	76731	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dibromoethane	CBZ	Ave	3642 228134	6989 452947	20005 903400	41941 1100376	88124	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chlorobenzene	CBZ	Ave	17859 883136	33145 1741969	88200 3526347	179576 4329447	349981	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 301455	+++++ 617998	23823 1261669	49671 1549574	107708	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethylbenzene	CBZ	Ave	8296 492413	18051 977812	47847 1951347	96806 2428956	191237	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
m-Xylene & p-Xylene	CBZ	Ave	11656 602270	21230 1191172	58542 2379624	117256 2957972	234337	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
o-Xylene	CBZ	Ave	10585 575333	19856 1134682	56045 2279973	112351 2765691	223532	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Styrene	CBZ	Ave	13609 909029	27767 1863397	82843 3810848	173395 4607155	350553	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromoform	CBZ	Qua	1033 114519	2183 262261	7271 603440	15062 762194	36549	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Isopropylbenzene	CBZ	Ave	24447 1557219	49077 3150029	144321 6374950	299925 7791108	586913	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3757 232504	7892 491861	21893 994721	45168 1229747	90265	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromobenzene	DCB	Ave	6712 346479	13197 686253	35455 1385417	68627 1681891	135151	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichloropropane	DCB	Ave	1715 76505	2717 156663	7861 306535	15308 378523	29138	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1361 76700	2356 161179	6330 336946	13996 425031	28206	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
N-Propylbenzene	DCB	Ave	6651 433915	13330 874885	42125 1737514	84983 2147763	164862	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chlorotoluene	DCB	Ave	6471 360473	12250 730772	36261 1451111	72221 1769074	136870	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3,5-Trimethylbenzene	DCB	Ave	18793 1233325	39724 2541770	116348 5146435	237509 6309206	458973	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Chlorotoluene	DCB	Ave	6526 366523	13481 726805	37191 1452776	72680 1783699	138902	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
tert-Butylbenzene	DCB	Ave	17886 1153651	36637 2394016	111555 4834309	226540 5883385	431067	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trimethylbenzene	DCB	Ave	19626 1237447	41691 2536688	119371 5167541	240863 6335442	463568	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
sec-Butylbenzene	DCB	Ave	23052 1591228	52109 3311093	153156 6680041	308380 8270519	597026	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichlorobenzene	DCB	Ave	14442 659542	25995 1366763	71345 2655040	135378 3282502	259988	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Isopropyltoluene	DCB	Ave	20874 1357367	44003 2854539	128602 5818773	263424 7044257	511329	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dichlorobenzene	DCB	Ave	15539 647811	27755 1319952	69736 2667224	135533 3264493	255782	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Butylbenzene	DCB	Ave	18916 1155240	38190 2405787	114399 4910129	229898 6019950	439842	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichlorobenzene	DCB	Ave	13103 595262	24504 1243139	66313 2505481	121248 3062810	231257	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	530 32108	1173 83535	2490	5824	11502	1.00 50.0	2.00 100	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 336594	+++++ 780877	44661 1682390	82228 2036121	134816	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 172776	+++++ 350533	23922 790485	44761 965800	74937	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Naphthalene	DCB	Ave	+++++ 658860	+++++ 1654592	87532	155447	266441	+++++ 50.0	+++++ 100	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Qua	+++++ 260636	+++++ 636994	40647 1418552	66746	108714	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Lin1	29574 308631	34767 630308	59709 1265439	94284 1558963	146298	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	+++++ 335525	+++++ 679113	71515 1361901	111312 1692874	167163	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 1200479	+++++ 2421189	247665 4826243	387397 5973057	581877	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin1	+++++ 375791	+++++ 818425	81950 1600928	125200 1968745	186058	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141665.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 14:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: ic
Misc. Info.: 240-0018434-003 =240-0018434-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 80127 Lims Sample ID: 3
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:48 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 01-Apr-2013 14:47:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1229165	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	94	852072	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	390933	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	71	1558963	255.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	1692874	257.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	5973057	252.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	1968745	253.0	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	1857149	264.7	
13 Chloromethane	50	1.643	1.643	0.0	100	2174787	239.7	
14 Vinyl chloride	62	1.773	1.773	0.0	99	1888946	258.5	
15 Bromomethane	94	2.116	2.116	0.0	91	587948	245.4	
16 Chloroethane	64	2.234	2.234	0.0	97	921111	271.1	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2500242	252.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	2509228	269.1	
19 Ethyl ether	59	2.933	2.921	0.012	98	1352454	244.0	
20 Acrolein	56	3.086	3.086	0.0	96	2005921	2564.2	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	96	1537559	272.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	92	1305863	263.4	
22 Acetone	43	3.311	3.311	0.0	99	788160	499.8	
24 Iodomethane	142	3.406	3.406	0.0	98	2485578	270.4	
26 Carbon disulfide	76	3.477	3.477	0.0	100	4455446	254.5	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	940405	282.9	
28 Methyl acetate	43	3.832	3.820	0.012	97	5302324	1261.9	
30 Methylene Chloride	84	3.962	3.950	0.012	98	1523990	230.0	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	95	974925	2328.6	
32 Acrylonitrile	53	4.364	4.364	0.0	99	5148980	2542.9	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	1695682	261.1	
34 Methyl tert-butyl ether	73	4.424	4.411	0.013	93	3947410	269.3	
35 Hexane	86	4.802	4.802	0.0	96	471238	265.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	3229819	266.3	
37 Vinyl acetate	86	5.098	5.098	0.0	97	297151	311.9	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	90	1550962	271.6	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1799354	257.3	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	1272512	509.0	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	831171	265.2	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	823102	481.9	
49 Chloroform	83	6.092	6.092	0.0	96	2786714	265.0	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	2216376	271.5	
51 Cyclohexane	56	6.317	6.317	0.0	94	3277951	267.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	2206944	262.4	
53 Carbon tetrachloride	117	6.435	6.435	0.0	88	2302836	291.4	
54 Isobutyl alcohol	41	6.636	6.636	0.0	94	1115325	6545.1	
55 Benzene	78	6.648	6.648	0.0	97	6595955	253.1	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	2142294	255.3	
58 n-Heptane	100	6.944	6.944	0.0	97	556955	269.4	
60 Trichloroethene	130	7.287	7.287	0.0	97	1914749	251.2	
63 Methylcyclohexane	83	7.465	7.464	0.001	97	2939268	264.9	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	1727537	265.2	
65 Dibromomethane	93	7.607	7.606	0.001	89	805046	261.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	234353	5022.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	1956685	259.1	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	1407012	568.5	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	2366962	257.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	2665512	515.3	
72 Toluene	91	8.459	8.458	0.001	97	7121115	248.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1871674	257.1	
74 Ethyl methacrylate	69	8.731	8.730	0.001	92	1599198	280.0	
75 1,1,2-Trichloroethane	97	8.814	8.813	0.001	93	1107537	251.2	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	1491026	252.3	
76 1,3-Dichloropropane	76	8.956	8.955	0.001	97	1938642	245.9	
78 2-Hexanone	43	9.015	9.014	0.001	99	1744579	508.3	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1362354	255.4	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	1100376	258.8	
82 Chlorobenzene	112	9.666	9.665	0.001	93	4329447	243.5	
83 1,1,1,2-Tetrachloroethane	131	9.737	9.736	0.001	95	1549574	271.4	
84 Ethylbenzene	106	9.760	9.760	0.0	98	2428956	252.7	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	2957972	249.5	
85 o-Xylene	106	10.186	10.186	0.0	95	2765691	246.6	
86 Styrene	104	10.198	10.198	0.0	92	4607155	267.0	
87 Bromoform	173	10.364	10.363	0.001	98	762194	247.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	7791108	263.1	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	1229747	269.1	
91 Bromobenzene	156	10.766	10.766	0.0	93	1681891	242.6	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	90	425031	287.2	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	81	378523	243.7	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	2147763	260.6	
95 2-Chlorotoluene	126	10.932	10.920	0.012	97	1769074	250.2	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	6309206	267.2	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1783699	247.6	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	5883385	264.6	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	6335442	264.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	8270519	270.2	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	3282502	239.5	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	96	7044257	268.0	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	96	3264493	236.7	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	6019950	265.1	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	3062810	243.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	88	243982	207.9	
109 1,2,4-Trichlorobenzene	180	13.286	13.274	0.012	94	2036121	257.4	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	965800	241.4	
111 Naphthalene	128	13.476	13.475	0.001	97	4297782	278.6	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	1714918	235.5	
S 137 Trihalomethanes, Total	1				0		1027.0	
S 11 1,2-Dichloroethene, Total	96				0		518.3	
S 9 1,3-Dichloropropene, Total	75				0		514.9	
S 114 Xylenes, Total	106				0		496.1	

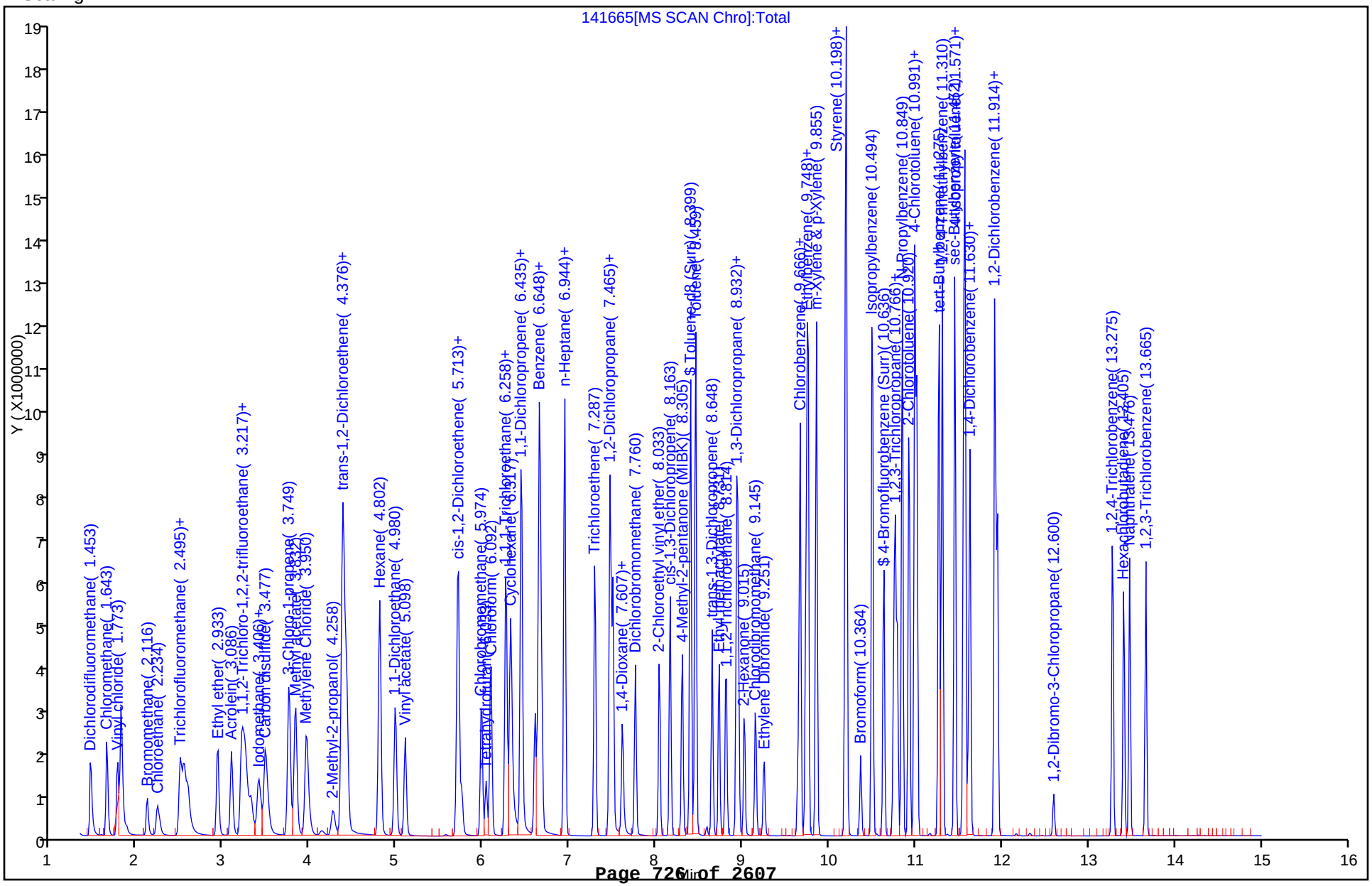
Report Date: 03-Apr-2013 12:44:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141665.D

Injection Date:	01-Apr-2013 14:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141666.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 14:25:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	ic		
Misc. Info.:	240-0018434-004 =240-0018434-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	80127	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:49	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	01-Apr-2013 14:48:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1259929	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	850515	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	398203	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	81	1265439	201.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	1361901	201.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	4826243	203.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	95	1600928	200.8	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	1548996	215.4	
13 Chloromethane	50	1.643	1.643	0.0	100	1889964	203.3	
14 Vinyl chloride	62	1.773	1.773	0.0	99	1582302	211.3	
15 Bromomethane	94	2.116	2.116	0.0	90	467734	190.5	
16 Chloroethane	64	2.234	2.234	0.0	97	727475	208.9	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2021495	199.2	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	2020341	211.3	
19 Ethyl ether	59	2.932	2.921	0.011	98	1083988	190.8	
20 Acrolein	56	3.086	3.086	0.0	94	1625125	2026.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	1245442	215.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	92	1078206	212.2	
22 Acetone	43	3.311	3.311	0.0	99	641818	395.7	
24 Iodomethane	142	3.406	3.406	0.0	98	2062602	218.9	
26 Carbon disulfide	76	3.477	3.477	0.0	100	3637177	203.3	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	83	764141	224.2	
28 Methyl acetate	43	3.832	3.820	0.012	97	4320590	1003.2	
30 Methylene Chloride	84	3.950	3.950	0.0	98	1249829	184.0	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	94	801288	1867.1	
32 Acrylonitrile	53	4.364	4.364	0.0	99	4188923	2018.3	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	1390446	208.8	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	93	3169088	211.0	
35 Hexane	86	4.802	4.802	0.0	95	380246	209.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	2605755	209.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	241734	247.5	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	90	1299900	222.1	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1478270	206.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	1026432	400.5	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	681018	212.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	675319	385.7	
49 Chloroform	83	6.092	6.092	0.0	96	2257063	209.4	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	1835461	219.4	
51 Cyclohexane	56	6.317	6.317	0.0	94	2670098	212.5	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	1780376	206.5	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	1840945	227.2	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	904777	5179.9	
55 Benzene	78	6.648	6.648	0.0	97	5376161	201.3	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	1734215	201.6	
58 n-Heptane	100	6.944	6.944	0.0	96	448298	211.6	
60 Trichloroethene	130	7.287	7.287	0.0	97	1549091	198.3	
63 Methylcyclohexane	83	7.464	7.464	0.0	97	2393962	210.5	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	94	1393475	208.7	
65 Dibromomethane	93	7.606	7.606	0.0	89	655473	207.3	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	191864	4011.8	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	1574921	203.6	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	1130814	445.8	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	1901930	202.3	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	2172432	420.8	
72 Toluene	91	8.458	8.458	0.0	97	5722077	199.6	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1490980	205.4	
74 Ethyl methacrylate	69	8.731	8.730	0.0	92	1289332	226.2	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	92	909290	206.6	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	1191518	202.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	1581794	201.0	
78 2-Hexanone	43	9.014	9.014	0.0	99	1399595	408.6	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1082498	204.0	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	903400	212.8	
82 Chlorobenzene	112	9.665	9.665	0.0	93	3526347	198.7	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	95	1261669	221.4	
84 Ethylbenzene	106	9.760	9.760	0.0	98	1951347	203.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	2379624	201.1	
85 o-Xylene	106	10.186	10.186	0.0	95	2279973	203.7	
86 Styrene	104	10.198	10.198	0.0	91	3810848	221.3	
87 Bromoform	173	10.363	10.363	0.0	97	603440	204.5	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	6374950	215.7	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	994721	213.7	
91 Bromobenzene	156	10.766	10.766	0.0	91	1385417	196.2	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	90	336946	223.5	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	306535	193.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	1737514	206.9	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	1451111	201.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	5146435	214.0	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1452776	197.9	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	4834309	213.5	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	5167541	211.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	6680041	214.2	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	2655040	190.2	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	92	5818773	217.3	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	2667224	189.9	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	4910129	212.3	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	2505481	195.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	86	190234	174.9	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	1682390	208.8	
110 Hexachlorobutadiene	225	13.405	13.404	0.0	98	790485	194.0	
111 Naphthalene	128	13.476	13.475	0.001	97	3560189	226.6	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	1418552	199.7	
S 137 Trihalomethanes, Total	1				0		821.5	
S 11 1,2-Dichloroethene, Total	96				0		415.0	
S 9 1,3-Dichloropropene, Total	75				0		407.7	
S 114 Xylenes, Total	106				0		404.7	

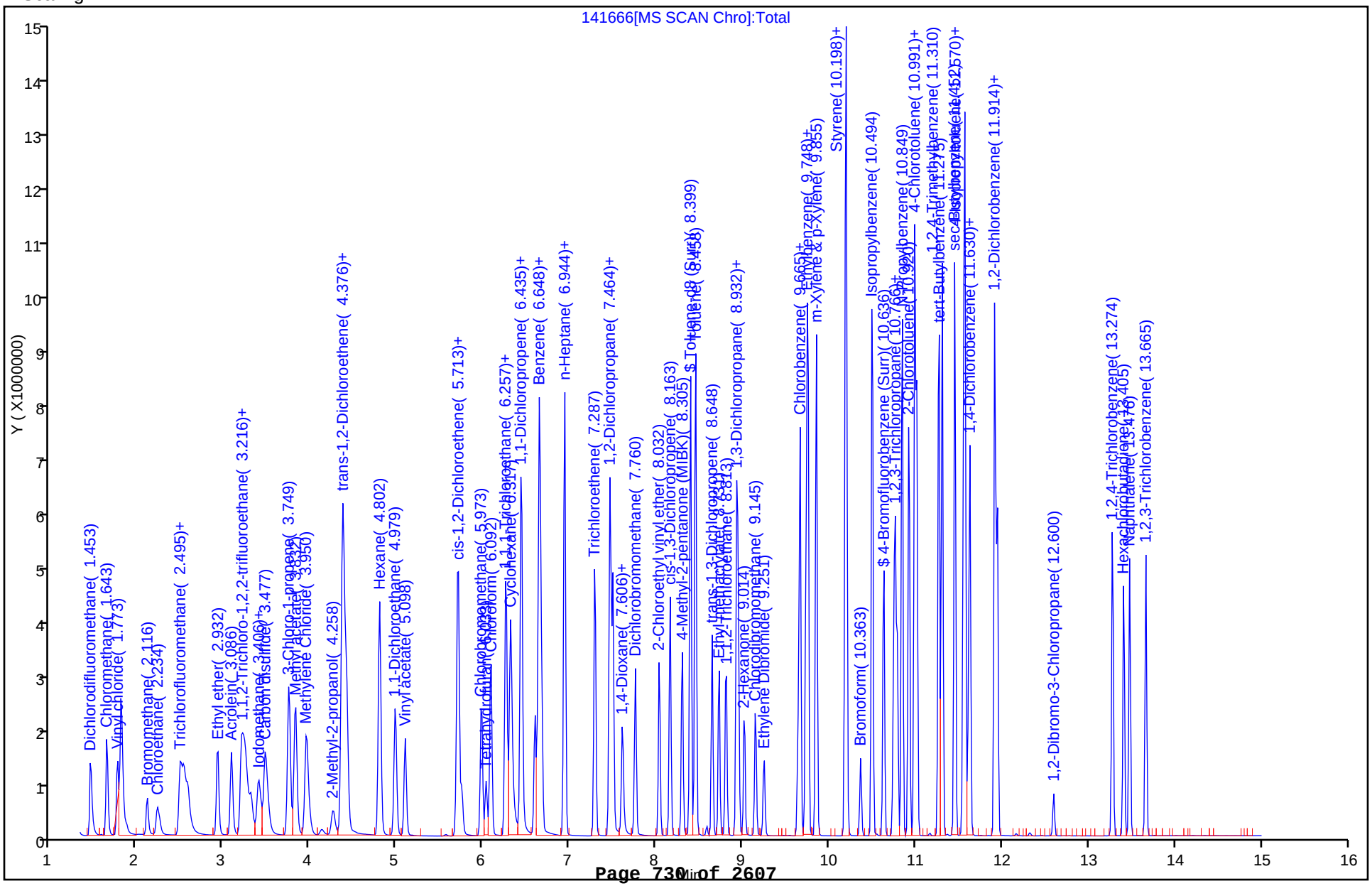
Report Date: 03-Apr-2013 12:44:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141666.D

Injection Date:	01-Apr-2013 14:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141667.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 14:46:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: ic
Misc. Info.: 240-0018434-005 =240-0018434-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80127 Lims Sample ID: 5
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:49 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:15:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1276120	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	863273	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	394994	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	88	630308	97.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	679113	96.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	2421189	97.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	818425	100.7	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	764747	105.0	
13 Chloromethane	50	1.643	1.643	0.0	100	949269	100.8	
14 Vinyl chloride	62	1.773	1.773	0.0	99	791227	104.3	
15 Bromomethane	94	2.116	2.116	0.0	91	232002	93.3	
16 Chloroethane	64	2.234	2.234	0.0	97	336051	95.3	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	1014504	98.7	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	1015150	104.8	
19 Ethyl ether	59	2.932	2.921	0.011	98	541542	94.1	
20 Acrolein	56	3.086	3.086	0.0	96	813789	1002.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	606092	103.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	85	529727	102.9	
22 Acetone	43	3.323	3.311	0.012	98	338437	202.8	
24 Iodomethane	142	3.406	3.406	0.0	98	1026112	107.5	
26 Carbon disulfide	76	3.489	3.477	0.012	100	1727805	97.0	
29 3-Chloro-1-propene	76	3.761	3.749	0.012	83	372076	107.8	
28 Methyl acetate	43	3.832	3.820	0.012	97	2158500	494.8	
30 Methylene Chloride	84	3.962	3.950	0.012	98	630017	91.6	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	94	441987	1016.8	
32 Acrylonitrile	53	4.364	4.364	0.0	99	2102664	1000.2	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	696061	103.2	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	88	1569755	103.2	
35 Hexane	86	4.802	4.802	0.0	95	185904	100.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	1290314	102.5	
37 Vinyl acetate	86	5.098	5.098	0.0	97	119739	121.0	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	86	657926	111.0	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	743893	102.4	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	529140	203.9	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	339369	104.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	343757	193.9	
49 Chloroform	83	6.092	6.092	0.0	96	1121062	102.7	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	912874	107.7	
51 Cyclohexane	56	6.317	6.317	0.0	94	1341219	105.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	896731	102.7	
53 Carbon tetrachloride	117	6.435	6.435	0.0	81	890505	108.5	
54 Isobutyl alcohol	41	6.636	6.636	0.0	92	461032	2605.9	
55 Benzene	78	6.648	6.648	0.0	97	2697424	99.7	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	852106	97.8	
58 n-Heptane	100	6.944	6.944	0.0	95	220707	102.8	
60 Trichloroethene	130	7.287	7.287	0.0	96	775617	98.0	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	1202266	104.4	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	695406	102.8	
65 Dibromomethane	93	7.606	7.606	0.0	93	324986	101.5	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	98385	2031.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	747993	96.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	559875	217.9	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	923818	97.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	1085084	207.1	
72 Toluene	91	8.458	8.458	0.0	97	2866124	98.5	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	703694	96.0	
74 Ethyl methacrylate	69	8.731	8.730	0.001	93	639857	110.6	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	449289	100.6	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	598619	100.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	780007	97.6	
78 2-Hexanone	43	9.015	9.014	0.001	99	708137	203.7	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	506273	95.8	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	452947	105.1	
82 Chlorobenzene	112	9.665	9.665	0.0	93	1741969	96.7	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	617998	106.8	
84 Ethylbenzene	106	9.760	9.760	0.0	98	977812	100.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1191172	99.2	
85 o-Xylene	106	10.186	10.186	0.0	95	1134682	99.9	
86 Styrene	104	10.198	10.198	0.0	91	1863397	106.6	
87 Bromoform	173	10.364	10.363	0.001	97	262261	98.4	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	3150029	105.0	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	491861	106.5	
91 Bromobenzene	156	10.766	10.766	0.0	92	686253	98.0	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	89	161179	107.8	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	156663	99.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	874885	105.0	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	730772	102.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	2541770	106.5	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	726805	99.8	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	2394016	106.6	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	2536688	104.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	3311093	107.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	91	1366763	98.7	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	94	2854539	107.5	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	1319952	94.7	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	2405787	104.8	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	1243139	97.9	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	86	83535	100.1	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	780877	97.7	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	350533	86.7	
111 Naphthalene	128	13.476	13.475	0.001	97	1654592	106.2	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	636994	102.3	
S 137 Trihalomethanes, Total	1				0		392.9	
S 11 1,2-Dichloroethene, Total	96				0		205.7	
S 9 1,3-Dichloropropene, Total	75				0		193.6	
S 114 Xylenes, Total	106				0		199.0	

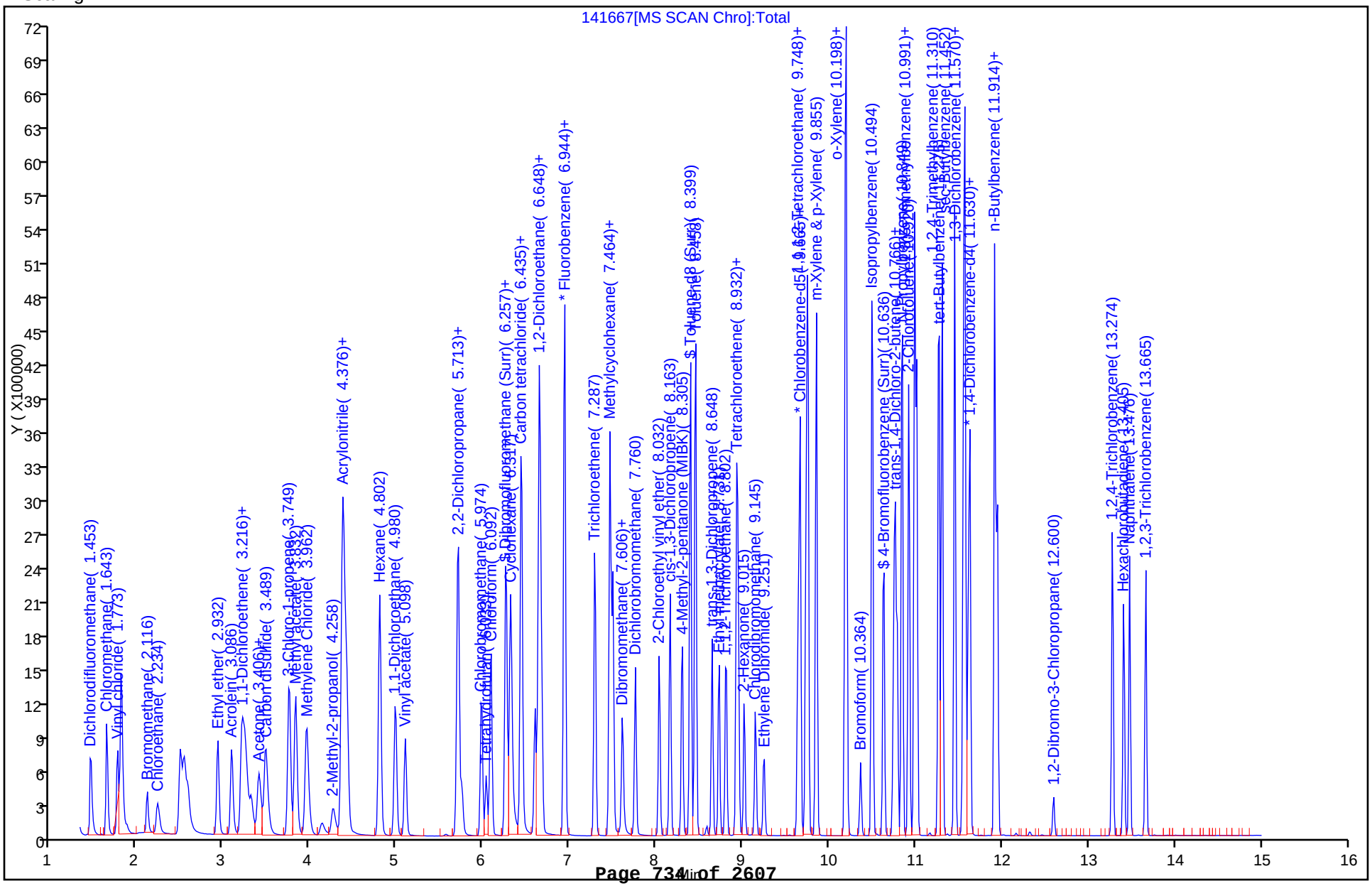
Report Date: 03-Apr-2013 12:44:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141667.D

Injection Date:	01-Apr-2013 14:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141668.D
Lims ID: ICIS Client ID:
Inject. Date: 01-Apr-2013 15:08:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: icis
Misc. Info.: 240-0018434-006 =240-0018434-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 80127 Lims Sample ID: 6
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 13:56:24 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 03-Apr-2013 13:56:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1285361	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	847501	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	381352	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	83	308631	45.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	335525	44.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1200479	46.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	375791	44.8	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	384066	52.4	
13 Chloromethane	50	1.643	1.643	0.0	100	482247	50.8	
14 Vinyl chloride	62	1.773	1.773	0.0	99	391674	51.3	
15 Bromomethane	94	2.116	2.116	0.0	89	114533	45.7	
16 Chloroethane	64	2.234	2.234	0.0	97	181388	51.0	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	519005	50.1	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	92	509898	52.3	
19 Ethyl ether	59	2.921	2.921	0.0	97	273001	47.1	
20 Acrolein	56	3.086	3.086	0.0	95	419888	513.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	309321	52.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	91	266264	51.4	
22 Acetone	43	3.311	3.311	0.0	98	179967	104.0	
24 Iodomethane	142	3.406	3.406	0.0	98	505260	52.6	
26 Carbon disulfide	76	3.477	3.477	0.0	100	809709	46.8	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	183822	52.9	
28 Methyl acetate	43	3.820	3.820	0.0	97	1099059	250.1	
30 Methylene Chloride	84	3.950	3.950	0.0	99	328593	47.4	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	94	210767	481.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	1053509	497.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	356326	52.5	
34 Methyl tert-butyl ether	73	4.411	4.411	0.0	93	785249	51.2	
35 Hexane	86	4.802	4.802	0.0	96	93183	50.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	654641	51.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	55896	56.1	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	85	311907	52.2	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	376473	51.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	260176	99.5	
47 Chlorobromomethane	128	5.973	5.973	0.0	96	171657	52.4	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	171507	96.0	
49 Chloroform	83	6.092	6.092	0.0	96	579362	52.7	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	96	446980	52.4	
51 Cyclohexane	56	6.317	6.317	0.0	94	682502	53.2	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	456847	51.9	
53 Carbon tetrachloride	117	6.435	6.435	0.0	78	427266	51.7	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	218358	1225.4	
55 Benzene	78	6.648	6.648	0.0	97	1376887	50.5	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	434871	49.6	
58 n-Heptane	100	6.944	6.944	0.0	93	113030	52.3	
60 Trichloroethene	130	7.287	7.287	0.0	97	400779	50.3	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	623015	53.7	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	94	356825	52.4	
65 Dibromomethane	93	7.606	7.606	0.0	92	162976	50.5	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	47479	973.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	361255	46.5	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	272934	105.5	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	444436	47.1	
71 4-Methyl-2-pentanone (MIBK)	43	8.304	8.304	0.0	98	534541	103.9	
72 Toluene	91	8.458	8.458	0.0	97	1450184	50.8	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	330257	46.4	
74 Ethyl methacrylate	69	8.730	8.730	0.0	93	307669	54.2	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	227277	51.8	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	300695	51.2	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	94	398186	50.8	
78 2-Hexanone	43	9.014	9.014	0.0	99	342035	100.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	230536	46.3	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	228134	53.9	
82 Chlorobenzene	112	9.665	9.665	0.0	94	883136	49.9	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	301455	53.1	
84 Ethylbenzene	106	9.760	9.760	0.0	98	492413	51.5	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	602270	51.1	
85 o-Xylene	106	10.186	10.186	0.0	94	575333	51.6	
86 Styrene	104	10.198	10.198	0.0	91	909029	53.0	
87 Bromoform	173	10.363	10.363	0.0	97	114519	47.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1557219	52.9	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	232504	52.2	
91 Bromobenzene	156	10.766	10.766	0.0	91	346479	51.2	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	87	76700	53.1	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	80	76505	50.5	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	433915	54.0	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	360473	52.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1233325	53.5	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	366523	52.1	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1153651	53.2	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1237447	52.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1591228	53.3	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	659542	49.3	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1357367	52.9	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	647811	48.2	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1155240	52.1	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	595262	48.6	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	82	32108	49.5	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	336594	43.6	
110 Hexachlorobutadiene	225	13.404	13.404	0.0	98	172776	44.3	
111 Naphthalene	128	13.475	13.475	0.0	97	658860	43.8	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	260636	46.2	
S 137 Trihalomethanes, Total	1				0		193.1	
S 11 1,2-Dichloroethene, Total	96				0		103.9	
S 9 1,3-Dichloropropene, Total	75				0		93.5	
S 114 Xylenes, Total	106				0		102.6	

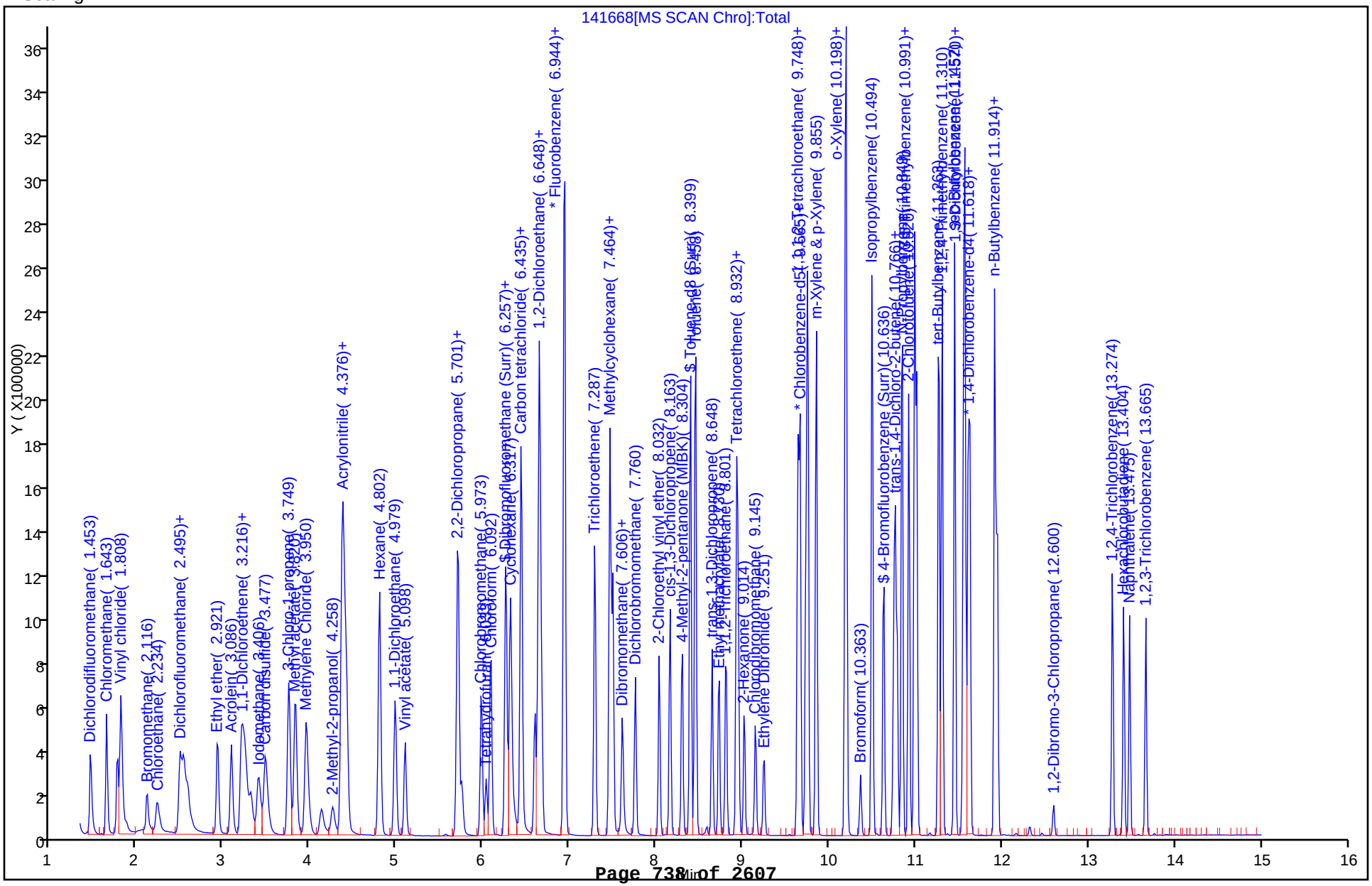
Report Date: 03-Apr-2013 13:56:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141668.D

Injection Date:	01-Apr-2013 15:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	6
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141669.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 15:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	ic		
Misc. Info.:	240-0018434-007 =240-0018434-007		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	80127	Lims Sample ID:	7
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:51	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:17:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1260088	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	834369	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	369643	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	80	146298	19.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	99	167163	19.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	88	581877	19.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	92	186058	20.1	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	98	150340	20.9	
13 Chloromethane	50	1.643	1.643	0.0	100	184845	19.9	
14 Vinyl chloride	62	1.773	1.773	0.0	98	150215	20.1	
15 Bromomethane	94	2.116	2.116	0.0	91	46385	18.9	
16 Chloroethane	64	2.222	2.234	-0.012	97	66418	19.1	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	98	198146	19.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	191645	20.0	
19 Ethyl ether	59	2.932	2.921	0.011	97	111184	19.6	
20 Acrolein	56	3.086	3.086	0.0	94	160333	199.9	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	96	118436	20.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	90	101906	20.1	
22 Acetone	43	3.323	3.311	0.012	100	73127	39.2	
24 Iodomethane	142	3.406	3.406	0.0	98	190805	20.2	
26 Carbon disulfide	76	3.477	3.477	0.0	100	270446	18.0	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	66288	19.4	
28 Methyl acetate	43	3.832	3.820	0.012	97	437383	101.5	
30 Methylene Chloride	84	3.962	3.950	0.012	98	138859	20.4	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	93	82181	191.5	
32 Acrylonitrile	53	4.364	4.364	0.0	99	414053	199.5	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	136663	20.5	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	92	302544	20.1	
35 Hexane	86	4.802	4.802	0.0	95	38311	21.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	253425	20.4	
37 Vinyl acetate	86	5.098	5.098	0.0	97	20238	20.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	83	113299	19.4	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	146833	20.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	100893	39.4	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	65302	20.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	68818	39.3	
49 Chloroform	83	6.092	6.092	0.0	96	221086	20.5	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	162941	19.5	
51 Cyclohexane	56	6.317	6.317	0.0	94	265642	21.1	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	178238	20.7	
53 Carbon tetrachloride	117	6.435	6.435	0.0	86	153965	19.0	
54 Isobutyl alcohol	41	6.636	6.636	0.0	92	84736	485.1	
55 Benzene	78	6.648	6.648	0.0	97	538837	20.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	172468	20.0	
58 n-Heptane	100	6.944	6.944	0.0	94	43622	20.6	
60 Trichloroethene	130	7.287	7.287	0.0	97	157278	20.1	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	242287	21.3	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	138377	20.7	
65 Dibromomethane	93	7.606	7.606	0.0	91	62992	19.9	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	19929	416.7	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	124799	17.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	92	106910	42.1	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	88	157008	17.6	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	211843	41.8	
72 Toluene	91	8.458	8.458	0.0	97	566046	20.1	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	115389	17.1	
74 Ethyl methacrylate	69	8.731	8.730	0.001	92	116187	20.8	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	94	91031	21.1	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	118145	20.4	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	94	158534	20.5	
78 2-Hexanone	43	9.015	9.014	0.001	99	136713	40.7	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	76731	17.9	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	88124	21.2	
82 Chlorobenzene	112	9.665	9.665	0.0	93	349981	20.1	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	87	107708	19.3	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	191237	20.3	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	98	234337	20.2	
85 o-Xylene	106	10.186	10.186	0.0	94	223532	20.4	
86 Styrene	104	10.198	10.198	0.0	92	350553	20.7	
87 Bromoform	173	10.363	10.363	0.0	96	36549	17.9	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	586913	20.2	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	96	90265	20.9	
91 Bromobenzene	156	10.766	10.766	0.0	89	135151	20.6	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	64	28206	20.2	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	29138	19.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	164862	21.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	136870	20.5	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	458973	20.6	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	138902	20.4	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	431067	20.5	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	463568	20.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	597026	20.6	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	259988	20.1	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	83	511329	20.6	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	255782	19.6	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	439842	20.5	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	231257	19.5	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	72	11502	21.0	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	134816	18.0	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	95	74937	19.8	
111 Naphthalene	128	13.476	13.475	0.001	97	266441	18.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	108714	19.8	
S 137 Trihalomethanes, Total	1				0		73.3	
S 11 1,2-Dichloroethene, Total	96				0		41.0	
S 9 1,3-Dichloropropene, Total	75				0		34.7	
S 114 Xylenes, Total	106				0		40.5	

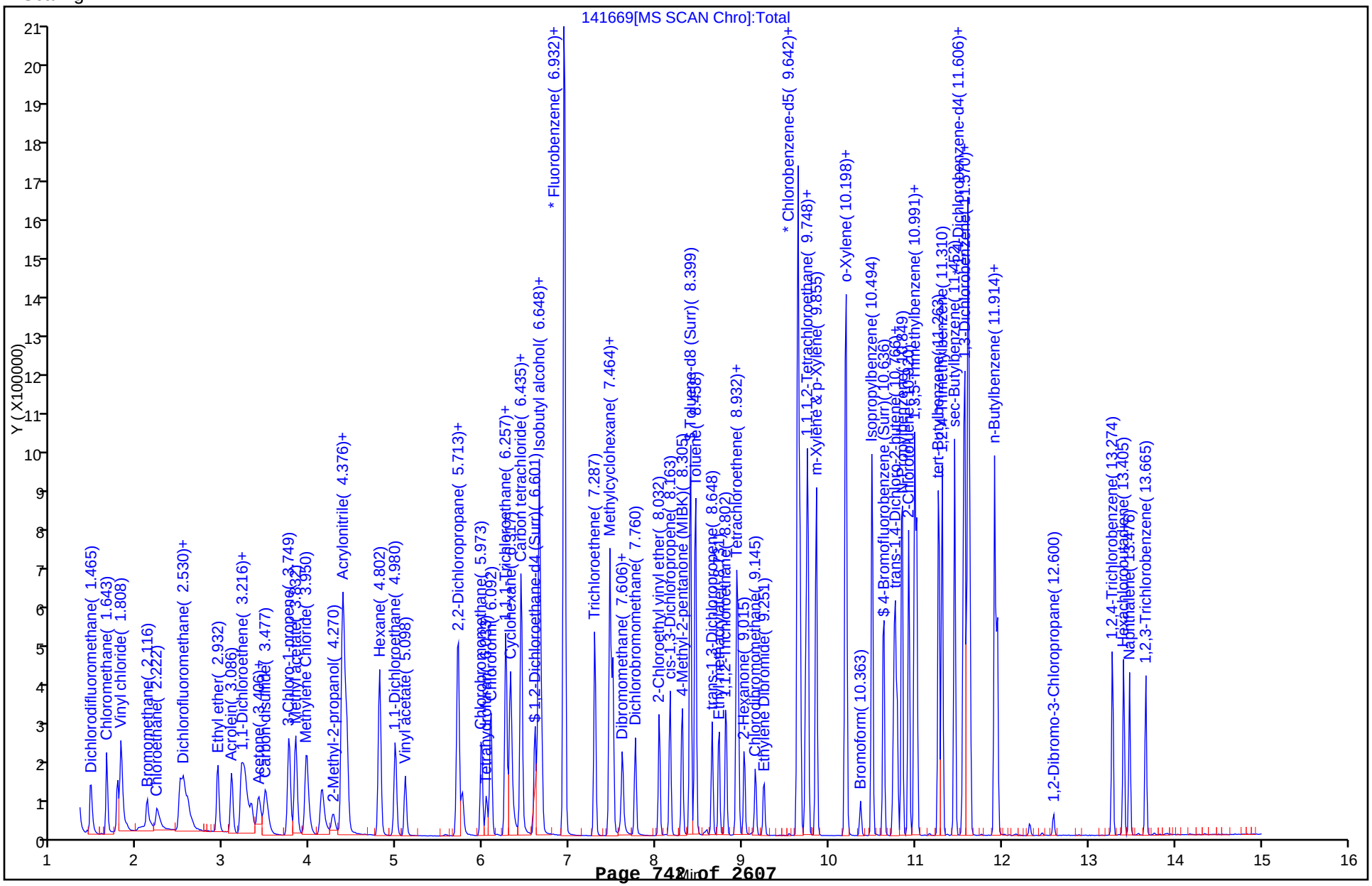
Report Date: 03-Apr-2013 12:44:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141669.D

Injection Date:	01-Apr-2013 15:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141670.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 15:51:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	ic		
Misc. Info.:	240-0018434-008 =240-0018434-008		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	80127	Lims Sample ID:	8
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:52	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:18:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1331163	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	870767	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	396324	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	80	94284	10.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	111312	10.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	387397	10.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	125200	10.4	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	98	79303	10.4	
13 Chloromethane	50	1.643	1.643	0.0	89	96385	9.81	
14 Vinyl chloride	62	1.773	1.773	0.0	83	78146	9.87	
15 Bromomethane	94	2.116	2.116	0.0	90	22917	8.83	
16 Chloroethane	64	2.234	2.234	0.0	96	35264	9.58	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	94	103470	9.65	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	96	98339	9.74	
19 Ethyl ether	59	2.932	2.921	0.011	98	55319	9.22	
20 Acrolein	56	3.086	3.086	0.0	96	79077	93.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	57564	9.43	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	88	49046	9.14	
22 Acetone	43	3.323	3.311	0.012	96	40463	17.4	
24 Iodomethane	142	3.406	3.406	0.0	96	94140	9.46	
26 Carbon disulfide	76	3.477	3.477	0.0	100	120702	9.36	
29 3-Chloro-1-propene	76	3.761	3.749	0.012	86	29497	8.19	
28 Methyl acetate	43	3.832	3.820	0.012	97	211623	46.5	
30 Methylene Chloride	84	3.962	3.950	0.012	94	75274	10.5	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	90	37847	83.5	
32 Acrylonitrile	53	4.364	4.364	0.0	99	202062	92.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	69076	9.82	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	91	147988	9.32	
35 Hexane	86	4.802	4.802	0.0	95	18891	9.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	122950	9.36	
37 Vinyl acetate	86	5.098	5.098	0.0	97	10377	10.1	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	78	52328	8.46	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	72998	9.64	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	98	50186	18.5	
47 Chlorobromomethane	128	5.985	5.973	0.012	96	31707	9.34	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	33540	18.1	
49 Chloroform	83	6.092	6.092	0.0	96	107287	9.42	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	94	76406	8.64	
51 Cyclohexane	56	6.317	6.317	0.0	94	131522	9.91	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	88740	9.74	
53 Carbon tetrachloride	117	6.435	6.435	0.0	87	70663	8.26	
54 Isobutyl alcohol	41	6.636	6.636	0.0	88	40734	220.7	
55 Benzene	78	6.648	6.648	0.0	98	271978	9.64	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	86284	9.49	
58 n-Heptane	100	6.944	6.944	0.0	92	21837	9.75	
60 Trichloroethene	130	7.287	7.287	0.0	96	77074	9.34	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	119600	9.95	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	89	67507	9.57	
65 Dibromomethane	93	7.606	7.606	0.0	89	31110	9.31	
66 1,4-Dioxane	88	7.630	7.630	0.0	89	10340	204.6	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	56613	7.84	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	51197	19.1	
70 cis-1,3-Dichloropropene	75	8.162	8.163	0.0	87	71109	8.12	
71 4-Methyl-2-pentanone (MIBK)	43	8.304	8.304	0.0	99	99480	18.8	
72 Toluene	91	8.458	8.458	0.0	98	283830	9.67	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	93	51586	7.91	
74 Ethyl methacrylate	69	8.730	8.730	0.0	93	53776	9.21	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	43676	9.69	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	61534	10.2	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	95	78294	9.72	
78 2-Hexanone	43	9.014	9.014	0.0	98	68073	19.4	
79 Chlorodibromomethane	129	9.145	9.145	0.0	89	34113	9.56	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	41941	9.65	
82 Chlorobenzene	112	9.665	9.665	0.0	95	179576	9.88	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	88	49671	8.51	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	96806	9.85	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	117256	9.68	
85 o-Xylene	106	10.186	10.186	0.0	95	112351	9.80	
86 Styrene	104	10.198	10.198	0.0	90	173395	9.83	
87 Bromoform	173	10.363	10.363	0.0	96	15062	8.86	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	299925	9.91	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	45168	9.75	
91 Bromobenzene	156	10.766	10.766	0.0	90	68627	9.77	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	74	13996	9.33	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	72	15308	9.72	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	84983	10.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	97	72221	10.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	237509	9.92	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	72680	9.95	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	226540	10.1	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	77	240863	9.91	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	308380	9.94	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	135378	9.75	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	84	263424	9.88	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	93	135533	9.69	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	229898	9.99	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	121248	9.52	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	63	5824	10.3	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	82228	10.3	
110 Hexachlorobutadiene	225	13.404	13.404	0.0	98	44761	11.0	
111 Naphthalene	128	13.475	13.475	0.0	97	155447	9.94	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	66746	10.8	
S 137 Trihalomethanes, Total	1				0		35.7	
S 11 1,2-Dichloroethene, Total	96				0		19.5	
S 9 1,3-Dichloropropene, Total	75				0		16.0	
S 114 Xylenes, Total	106				0		19.5	

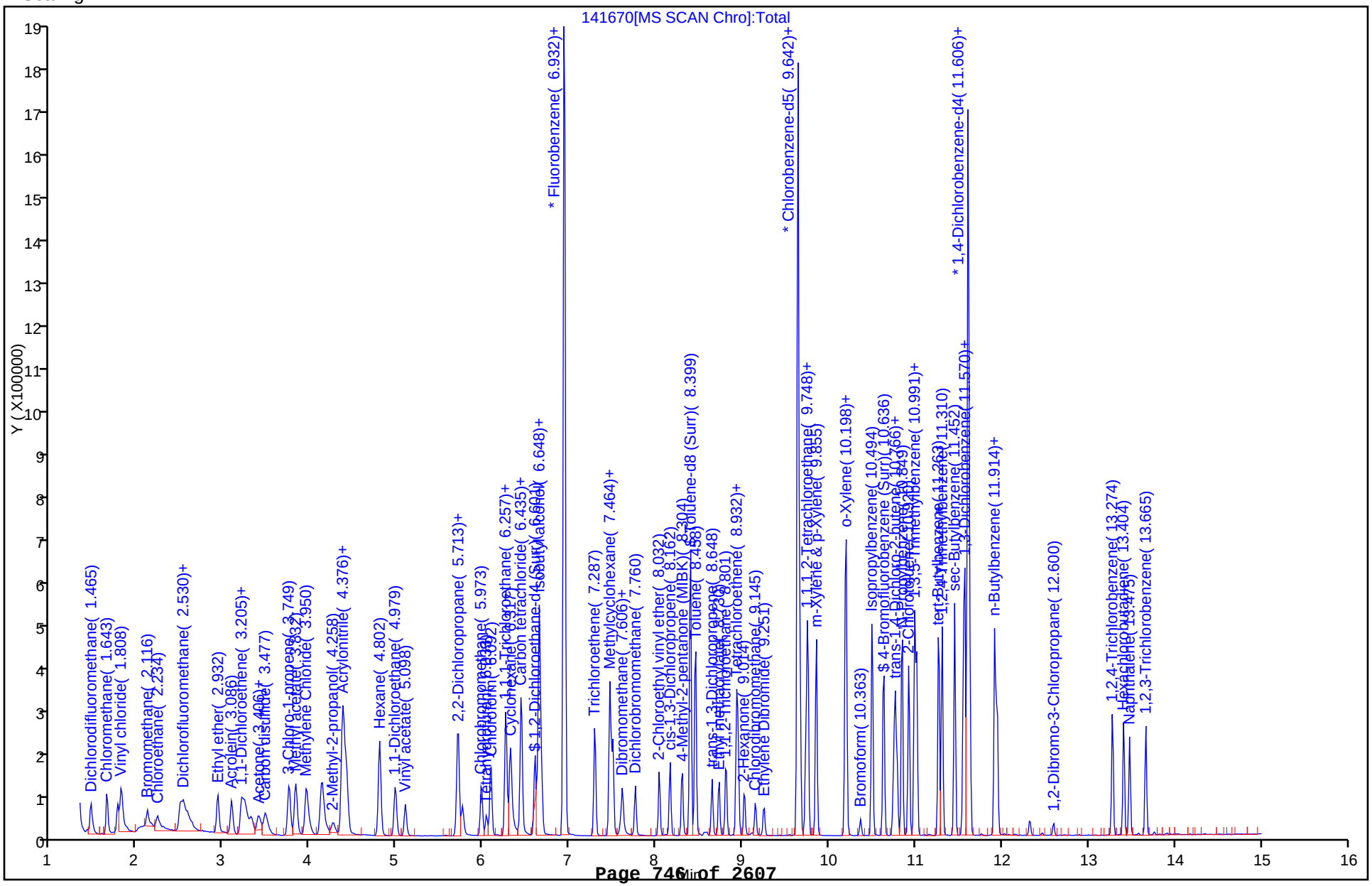
Report Date: 03-Apr-2013 12:44:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141670.D

Injection Date:	01-Apr-2013 15:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141671.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 16:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: ic
Misc. Info.: 240-0018434-009 =240-0018434-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 80127 Lims Sample ID: 9
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:53 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:19:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1263992	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	823672	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	384133	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	65	59709	5.71	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	71515	5.35	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	247665	5.17	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	81950	5.17	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	96	37785	5.24	
13 Chloromethane	50	1.643	1.643	0.0	100	44791	4.80	
14 Vinyl chloride	62	1.773	1.773	0.0	97	37022	4.93	
15 Bromomethane	94	2.116	2.116	0.0	84	11372	4.62	
16 Chloroethane	64	2.234	2.234	0.0	89	17000	4.87	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	95	49773	4.89	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	95	45747	4.77	
19 Ethyl ether	59	2.932	2.921	0.011	95	28137	4.94	
20 Acrolein	56	3.086	3.086	0.0	91	40200	50.0	
21 1,1-Dichloroethene	96	3.216	3.205	0.012	87	29452	5.08	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	83	23261	4.56	
22 Acetone	43	3.323	3.311	0.012	97	28343	11.1	
24 Iodomethane	142	3.406	3.406	0.0	97	45850	4.85	
26 Carbon disulfide	76	3.477	3.477	0.0	98	55727	6.13	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	84	14025	4.10	
28 Methyl acetate	43	3.832	3.820	0.012	97	109236	25.3	
30 Methylene Chloride	84	3.962	3.950	0.012	98	41745	6.13	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	81	23079	53.6	
32 Acrylonitrile	53	4.364	4.364	0.0	98	102856	49.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	34102	5.11	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	92	74407	4.94	
35 Hexane	86	4.802	4.802	0.0	95	9535	5.22	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	96	60560	4.86	
37 Vinyl acetate	86	5.110	5.098	0.012	97	4426	4.52	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	83	24512	4.17	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	87	36773	5.11	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	96	27138	10.6	
47 Chlorobromomethane	128	5.985	5.973	0.012	92	16473	5.11	
48 Tetrahydrofuran	42	6.044	6.033	0.011	88	17236	9.81	
49 Chloroform	83	6.092	6.092	0.0	96	53430	4.94	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	87	35880	4.27	
51 Cyclohexane	56	6.317	6.317	0.0	94	62445	4.95	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	44314	5.12	
53 Carbon tetrachloride	117	6.435	6.435	0.0	83	32666	4.02	
54 Isobutyl alcohol	41	6.636	6.636	0.0	73	21481	122.6	
55 Benzene	78	6.648	6.648	0.0	97	138640	5.17	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	93	44154	5.12	
58 n-Heptane	100	6.944	6.944	0.0	79	10649	5.01	
60 Trichloroethene	130	7.287	7.287	0.0	97	40106	5.12	
63 Methylcyclohexane	83	7.464	7.464	0.0	95	59905	5.25	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	34166	5.10	
65 Dibromomethane	93	7.606	7.606	0.0	87	14731	4.64	
66 1,4-Dioxane	88	7.630	7.630	0.0	83	4718	98.3	
67 Dichlorobromomethane	83	7.760	7.760	0.0	96	26212	4.31	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	91	23890	9.39	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	79	29809	4.14	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	48609	9.72	
72 Toluene	91	8.458	8.458	0.0	97	142007	5.12	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	95	23647	4.35	
74 Ethyl methacrylate	69	8.731	8.730	0.0	89	25748	4.66	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	95	21785	5.11	
77 Tetrachloroethene	164	8.932	8.932	0.0	99	30153	5.28	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	93	40174	5.27	
78 2-Hexanone	43	9.014	9.014	0.0	97	33674	10.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	88	14348	6.13	
123 Ethylene Dibromide	107	9.251	9.251	0.0	96	20005	4.87	
82 Chlorobenzene	112	9.665	9.665	0.0	93	88200	5.13	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	84	23823	4.32	
84 Ethylbenzene	106	9.760	9.760	0.0	97	47847	5.15	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	58542	5.11	
85 o-Xylene	106	10.186	10.186	0.0	95	56045	5.17	
86 Styrene	104	10.198	10.198	0.0	91	82843	4.97	
87 Bromoform	173	10.363	10.363	0.0	88	7271	5.94	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	144321	5.04	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	86	21893	4.88	
91 Bromobenzene	156	10.766	10.766	0.0	90	35455	5.21	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	51	6330	4.35	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	74	7861	5.15	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	42125	5.20	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	36261	5.22	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	96	116348	5.01	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	37191	5.25	
97 tert-Butylbenzene	119	11.275	11.275	0.0	90	111555	5.11	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	119371	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	153156	5.09	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	83	71345	5.30	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	77	128602	4.98	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	91	69736	5.15	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	114399	5.13	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	66313	5.37	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	46	2490	4.47	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	44661	5.75	
110 Hexachlorobutadiene	225	13.405	13.404	0.0	96	23922	6.09	
111 Naphthalene	128	13.476	13.475	0.001	96	87532	5.78	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	40647	6.18	
S 137 Trihalomethanes, Total	1				0		21.3	
S 11 1,2-Dichloroethene, Total	96				0		10.2	
S 9 1,3-Dichloropropene, Total	75				0		8.49	
S 114 Xylenes, Total	106				0		10.3	

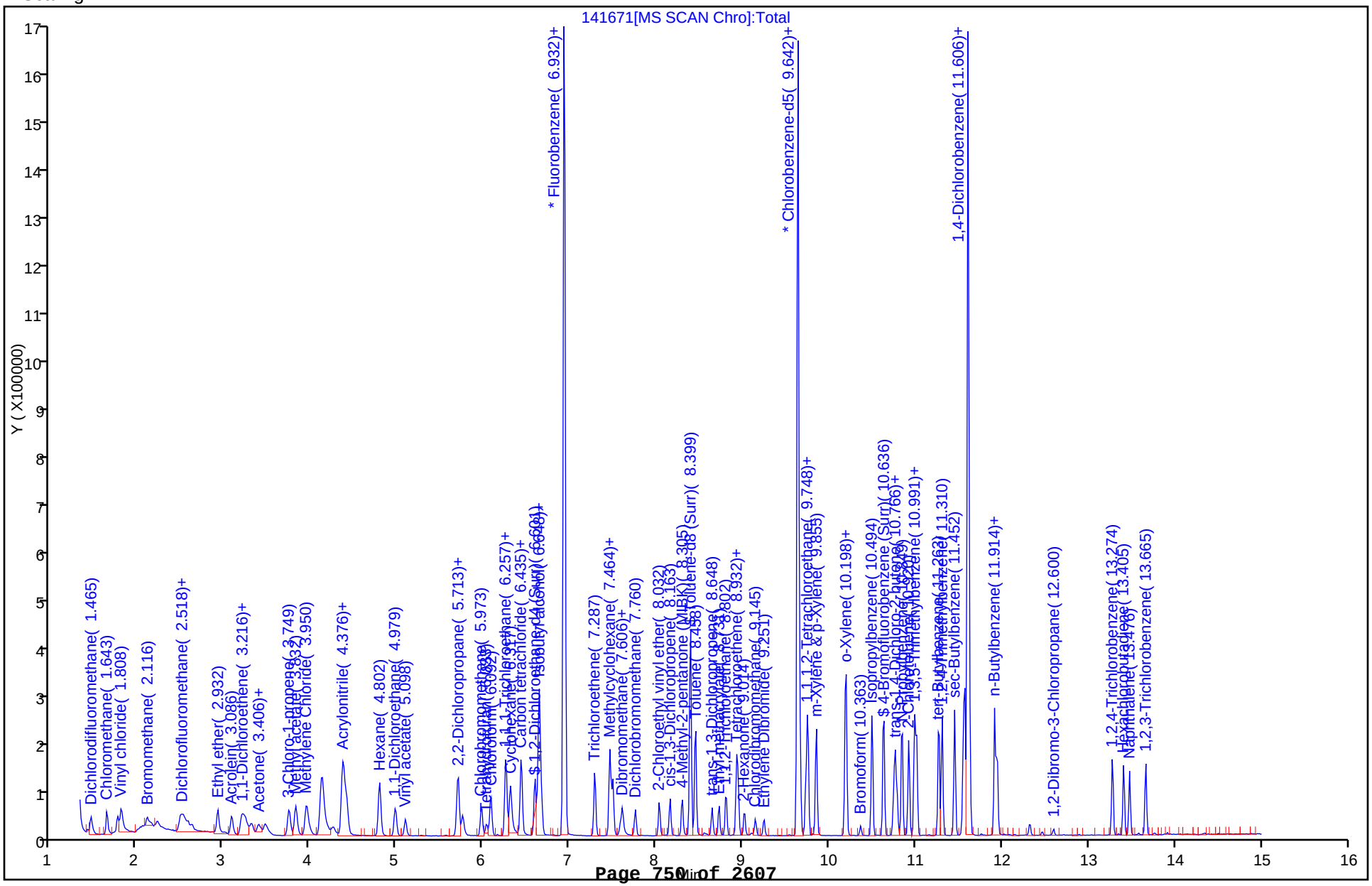
Report Date: 03-Apr-2013 12:44:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141671.D

Injection Date:	01-Apr-2013 16:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141672.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 16:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	ic		
Misc. Info.:	240-0018434-010 =240-0018434-010		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	80127	Lims Sample ID:	10
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:54	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:20:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1197493	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	789352	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	370952	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	58	34767	1.99	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	45486	1.79	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	148798	1.04	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	49084	1.00	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	94	12576	1.84	
13 Chloromethane	50	1.643	1.643	0.0	88	16733	1.89	
14 Vinyl chloride	62	1.761	1.773	-0.012	81	12858	1.81	
15 Bromomethane	94	2.104	2.116	-0.012	88	5800	2.49	
16 Chloroethane	64	2.223	2.234	-0.011	68	6607	2.00	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	88	19185	1.99	
18 Trichlorofluoromethane	101	2.530	2.542	-0.012	73	17300	1.90	
19 Ethyl ether	59	2.921	2.921	0.0	95	11391	2.11	
20 Acrolein	56	3.086	3.086	0.0	92	15999	21.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	94	9746	1.77	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	68	7677	1.59	
22 Acetone	43	3.311	3.311	0.0	95	16595	4.32	
24 Iodomethane	142	3.406	3.406	0.0	92	16717	1.87	
26 Carbon disulfide	76	3.477	3.477	0.0	97	19157	4.18	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	75	4769	1.47	
28 Methyl acetate	43	3.832	3.820	0.012	96	42269	10.3	
30 Methylene Chloride	84	3.950	3.950	0.0	93	22345	3.46	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	72	8538	20.9	
32 Acrylonitrile	53	4.364	4.364	0.0	99	41601	21.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	92	11699	1.85	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	90	28623	2.00	
35 Hexane	86	4.790	4.802	-0.012	94	3406	1.97	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	89	24191	2.05	
37 Vinyl acetate	86	5.098	5.098	0.0	90	1788	1.93	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	59	9082	1.63	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	12856	1.89	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	53	10771	4.42	
47 Chlorobromomethane	128	5.985	5.973	0.012	87	5903	1.93	
48 Tetrahydrofuran	42	6.033	6.033	0.0	86	7302	4.39	
49 Chloroform	83	6.092	6.092	0.0	94	19920	1.94	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	52	12255	1.54	
51 Cyclohexane	56	6.317	6.317	0.0	93	22347	1.87	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	86	15293	1.87	
53 Carbon tetrachloride	117	6.435	6.435	0.0	49	9381	1.22	
54 Isobutyl alcohol	41	6.636	6.636	0.0	35	8364	50.4	
55 Benzene	78	6.648	6.648	0.0	95	50055	1.97	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	90	16727	2.05	
58 n-Heptane	100	6.944	6.944	0.0	62	3750	1.86	
60 Trichloroethene	130	7.287	7.287	0.0	96	15249	2.05	
63 Methylcyclohexane	83	7.465	7.464	0.001	93	18586	1.72	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	82	11822	1.86	
65 Dibromomethane	93	7.607	7.606	0.0	83	6061	2.02	
66 1,4-Dioxane	88	7.642	7.630	0.012	55	1926	42.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	91	8854	2.15	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	80	8079	3.35	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	73	9636	2.07	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	95	18879	3.94	
72 Toluene	91	8.458	8.458	0.0	89	52939	1.99	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	86	7347	2.09	
74 Ethyl methacrylate	69	8.731	8.730	0.001	86	8269	1.56	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	89	7657	1.87	
77 Tetrachloroethene	164	8.932	8.932	0.0	95	10795	1.97	
76 1,3-Dichloropropane	76	8.944	8.955	-0.011	93	14556	1.99	
78 2-Hexanone	43	9.015	9.014	0.001	92	12238	3.85	
79 Chlorodibromomethane	129	9.145	9.145	0.0	66	5069	4.40	
123 Ethylene Dibromide	107	9.239	9.251	-0.012	87	6989	1.77	
82 Chlorobenzene	112	9.665	9.665	0.0	95	33145	2.01	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	82	7392	1.40	
84 Ethylbenzene	106	9.748	9.760	-0.012	98	18051	2.03	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	98	21230	1.93	
85 o-Xylene	106	10.186	10.186	0.0	94	19856	1.91	
86 Styrene	104	10.198	10.198	0.0	86	27767	1.74	
87 Bromoform	173	10.364	10.363	0.001	68	2183	3.85	
88 Isopropylbenzene	105	10.494	10.494	0.0	95	49077	1.79	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	89	7892	1.82	
91 Bromobenzene	156	10.766	10.766	0.0	88	13197	2.01	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	43	2356	1.68	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	61	2717	1.84	
94 N-Propylbenzene	120	10.849	10.849	0.0	96	13330	1.70	
95 2-Chlorotoluene	126	10.920	10.920	0.0	95	12250	1.83	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	91	39724	1.77	
104 4-Chlorotoluene	126	11.014	11.014	0.0	96	13481	1.97	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	90	36637	1.74	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	41691	1.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	89	52109	1.79	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	77	25995	2.00	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	61	44003	1.76	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	80	27755	2.12	
105 n-Butylbenzene	91	11.914	11.914	0.0	94	38190	1.77	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	95	24504	2.06	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	16	1173	1.98	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	91	17452	2.33	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	88	8472	2.23	
111 Naphthalene	128	13.476	13.475	0.001	94	37781	2.58	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	91	15921	1.49	
S 137 Trihalomethanes, Total	1				0		12.3	
S 11 1,2-Dichloroethene, Total	96				0		3.74	
S 9 1,3-Dichloropropene, Total	75				0		4.16	
S 114 Xylenes, Total	106				0		3.84	

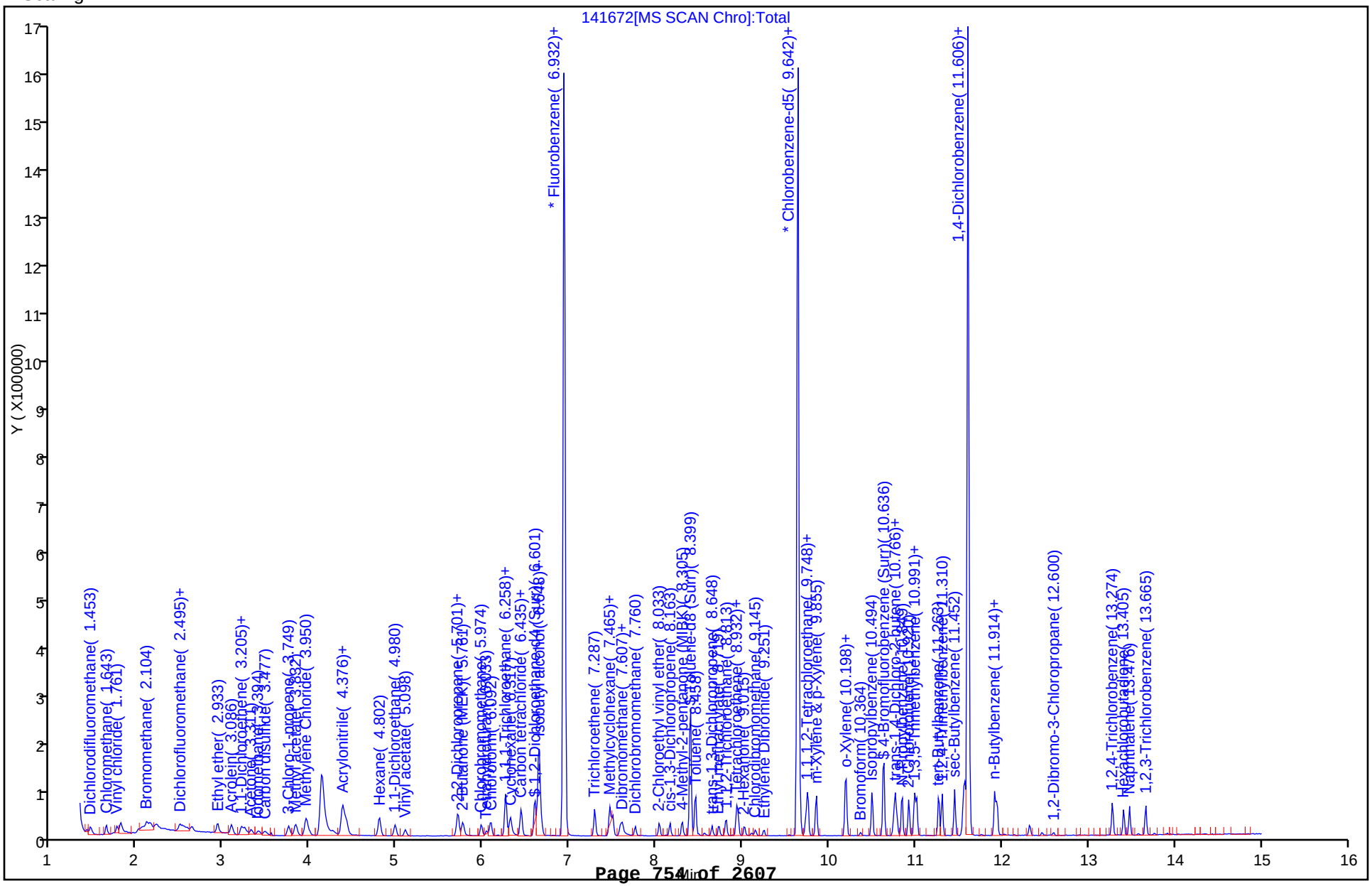
Report Date: 03-Apr-2013 12:44:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141672.D

Injection Date:	01-Apr-2013 16:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141673.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 16:55:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	ic		
Misc. Info.:	240-0018434-011 =240-0018434-011		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	80127	Lims Sample ID:	11
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:54	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:21:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1241738	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	822415	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	381634	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	56	29574	0.9196	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	93	39627	0.6338	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	92	139921	0.3591	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	89	45432	0.3204	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	69	5995	0.8460	
13 Chloromethane	50	1.643	1.643	0.0	99	10249	1.12	
14 Vinyl chloride	62	1.761	1.773	-0.012	71	7109	0.9630	
15 Bromomethane	94	2.116	2.116	0.0	76	2964	1.22	
16 Chloroethane	64	2.222	2.234	-0.012	56	3485	1.02	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	66	10916	1.09	
18 Trichlorofluoromethane	101	2.530	2.542	-0.012	65	8393	0.8908	
19 Ethyl ether	59	2.921	2.921	0.0	91	6966	1.24	
20 Acrolein	56	3.086	3.086	0.0	75	8467	10.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	78	4996	0.8771	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	32	2980	0.5951	
22 Acetone	43	3.323	3.311	0.012	95	14683	2.71	
24 Iodomethane	142	3.394	3.406	-0.012	76	7765	0.8362	
26 Carbon disulfide	76	3.477	3.477	0.0	93	8780	3.56	
29 3-Chloro-1-propene	76	3.737	3.749	-0.012	77	2430	0.7235	
28 Methyl acetate	43	3.832	3.820	0.012	94	21386	5.04	
30 Methylene Chloride	84	3.950	3.950	0.0	93	16679	2.49	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	47	5264	12.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	20805	10.2	
33 trans-1,2-Dichloroethene	96	4.376	4.388	-0.012	90	5750	0.8763	
34 Methyl tert-butyl ether	73	4.412	4.411	0.001	86	13065	0.8824	
35 Hexane	86	4.802	4.802	0.0	91	1463	0.8158	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	72	10792	0.8807	
37 Vinyl acetate	86	5.098	5.098	0.0	89	731	0.7594	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	44	4185	0.7255	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	79	6591	0.9328	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	23	7694	3.05	
47 Chlorobromomethane	128	5.974	5.973	0.001	83	2694	0.8507	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	4053	2.35	
49 Chloroform	83	6.080	6.092	-0.012	86	9406	0.8853	
50 1,1,1-Trichloroethane	97	6.258	6.257	0.001	22	5736	0.6956	
51 Cyclohexane	56	6.317	6.317	0.0	85	9617	0.7765	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	81	7521	0.8853	
53 Carbon tetrachloride	117	6.435	6.435	0.0	55	4533	0.5677	
54 Isobutyl alcohol	41	6.636	6.636	0.0	49	4531	26.3	
55 Benzene	78	6.648	6.648	0.0	93	25803	0.9802	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	77	8511	1.00	
58 n-Heptane	100	6.944	6.944	0.0	35	1780	0.8524	
60 Trichloroethene	130	7.287	7.287	0.0	89	7919	1.03	
63 Methylcyclohexane	83	7.464	7.464	0.0	85	8970	0.8002	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	79	5770	0.8767	
65 Dibromomethane	93	7.606	7.606	0.0	77	3208	1.03	
66 1,4-Dioxane	88	7.642	7.630	0.012	33	845	17.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	67	4134	1.49	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	74	4097	1.64	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	61	4615	1.49	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	87	8983	1.80	
72 Toluene	91	8.458	8.458	0.0	90	28207	1.02	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	68	3446	1.49	
74 Ethyl methacrylate	69	8.731	8.730	0.001	70	4876	0.8847	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	86	3993	0.9381	
77 Tetrachloroethene	164	8.932	8.932	0.0	85	4998	0.8763	
76 1,3-Dichloropropane	76	8.944	8.955	-0.011	87	7389	0.9709	
78 2-Hexanone	43	9.026	9.014	0.012	85	6470	1.95	
79 Chlorodibromomethane	129	9.145	9.145	0.0	43	2731	3.91	
123 Ethylene Dibromide	107	9.251	9.251	0.0	62	3642	0.8873	
82 Chlorobenzene	112	9.665	9.665	0.0	86	17859	1.04	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	61	3649	0.6621	
84 Ethylbenzene	106	9.748	9.760	-0.012	97	8296	0.8941	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	96	11656	1.02	
85 o-Xylene	106	10.186	10.186	0.0	92	10585	0.9778	
86 Styrene	104	10.198	10.198	0.0	84	13609	0.8172	
87 Bromoform	173	10.364	10.363	0.001	40	1033	3.32	
88 Isopropylbenzene	105	10.494	10.494	0.0	91	24447	0.8554	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	70	3757	0.8422	
91 Bromobenzene	156	10.766	10.766	0.0	83	6712	0.99	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	31	1361	0.9421	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	62	1715	1.13	
94 N-Propylbenzene	120	10.849	10.849	0.0	94	6651	0.8265	
95 2-Chlorotoluene	126	10.920	10.920	0.0	93	6471	0.9373	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	89	18793	0.8153	
104 4-Chlorotoluene	126	11.014	11.014	0.0	94	6526	0.9278	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	84	17886	0.8241	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	19626	0.8384	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	81	23052	0.7714	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	14442	1.08	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	52	20874	0.8134	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	65	15539	1.15	
105 n-Butylbenzene	91	11.914	11.914	0.0	92	18916	0.8532	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	87	13103	1.07	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	1	530	0.6151	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	85	9471	1.23	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	76	3896	1.00	
111 Naphthalene	128	13.476	13.475	0.001	92	19876	1.32	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	86	8317	-0.1018	
S 137 Trihalomethanes, Total	1				0		9.60	
S 11 1,2-Dichloroethene, Total	96				0		1.81	
S 9 1,3-Dichloropropene, Total	75				0		2.98	
S 114 Xylenes, Total	106				0		2.00	

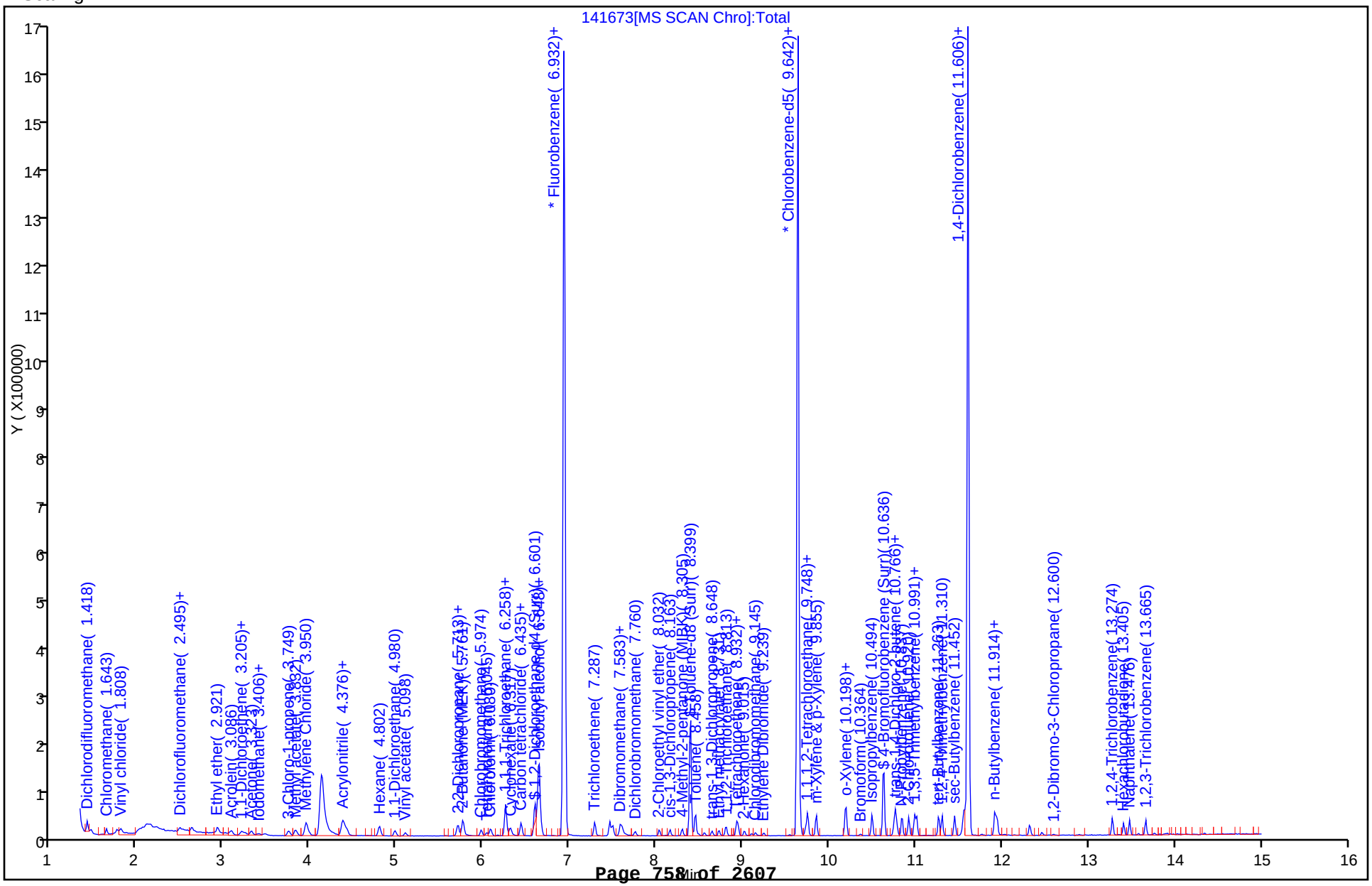
Report Date: 03-Apr-2013 12:44:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141673.D

Injection Date:	01-Apr-2013 16:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	11
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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	

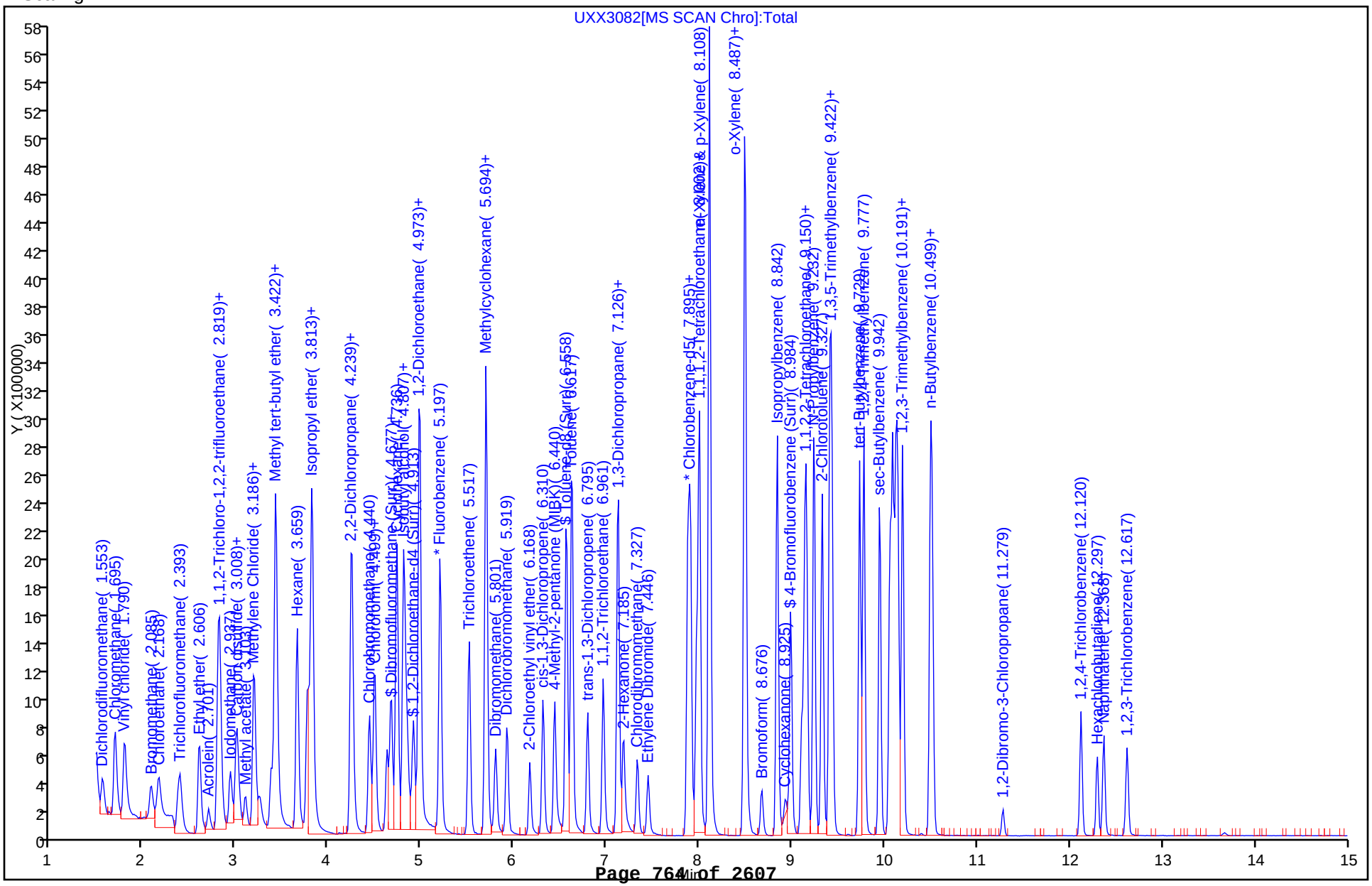
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22488-1

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	

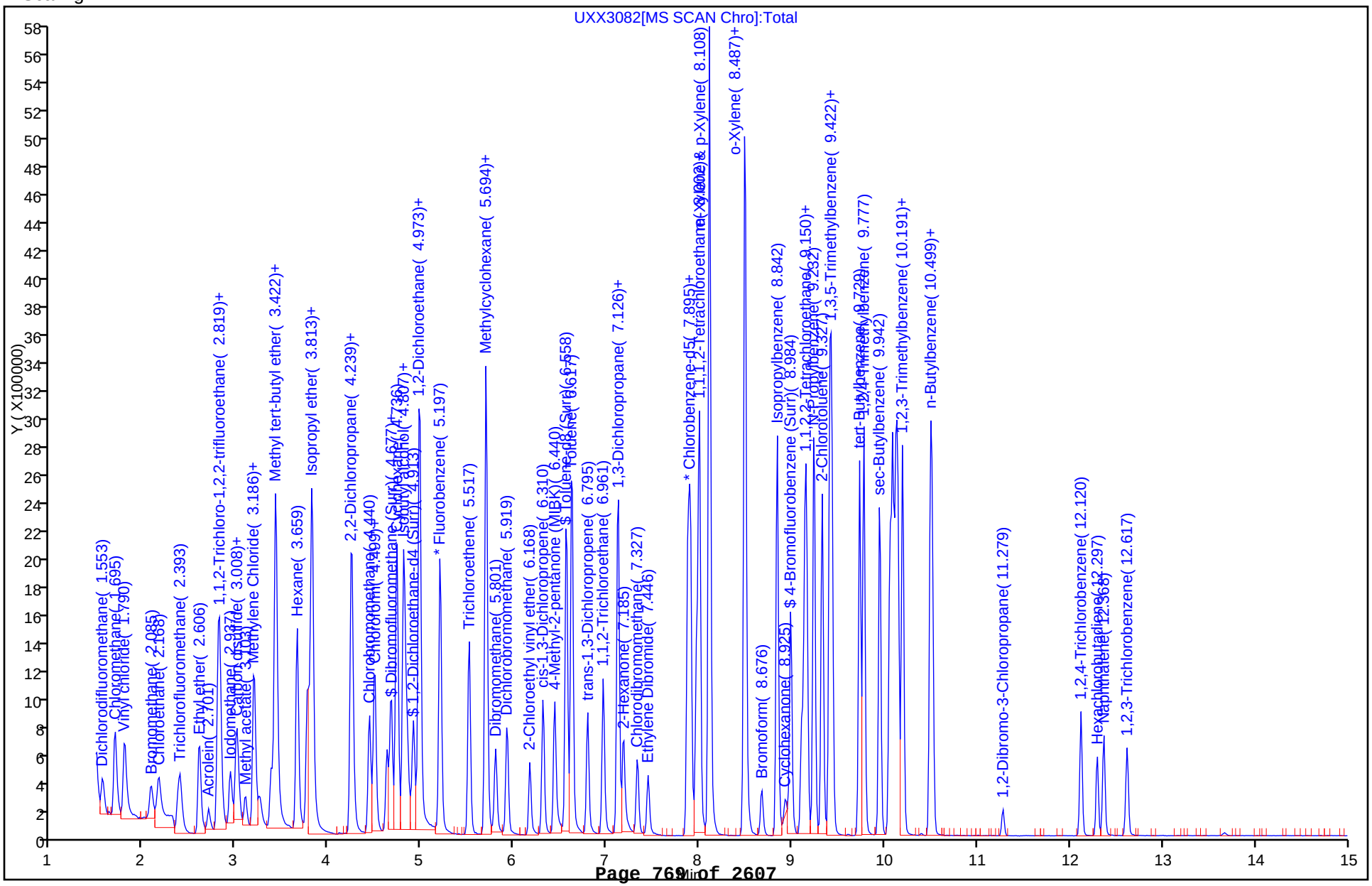
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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.: 240-22488-1

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.: 240-22488-1

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	

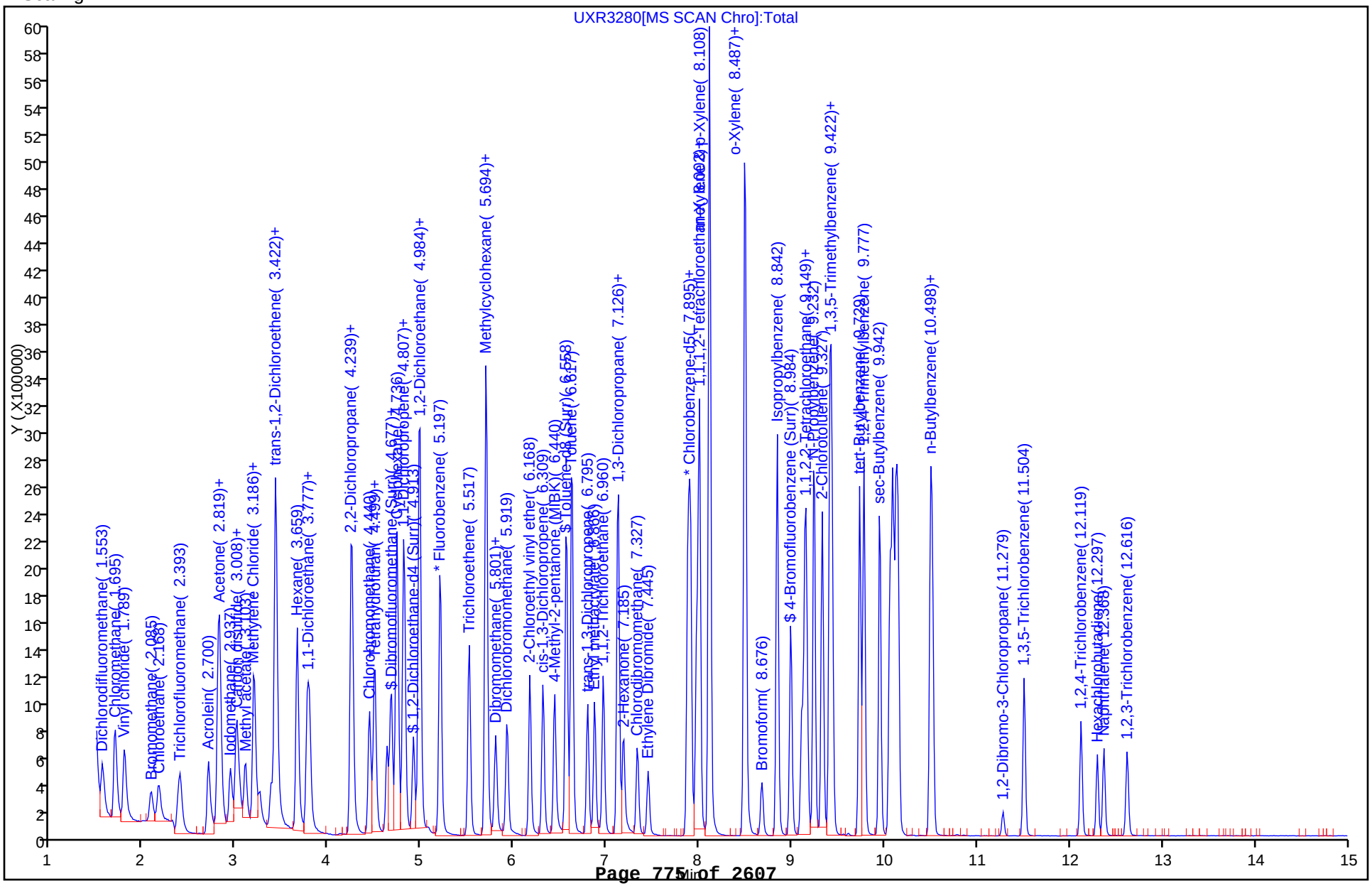
Report Date: 09-Apr-2013 08:43:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22488-1

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

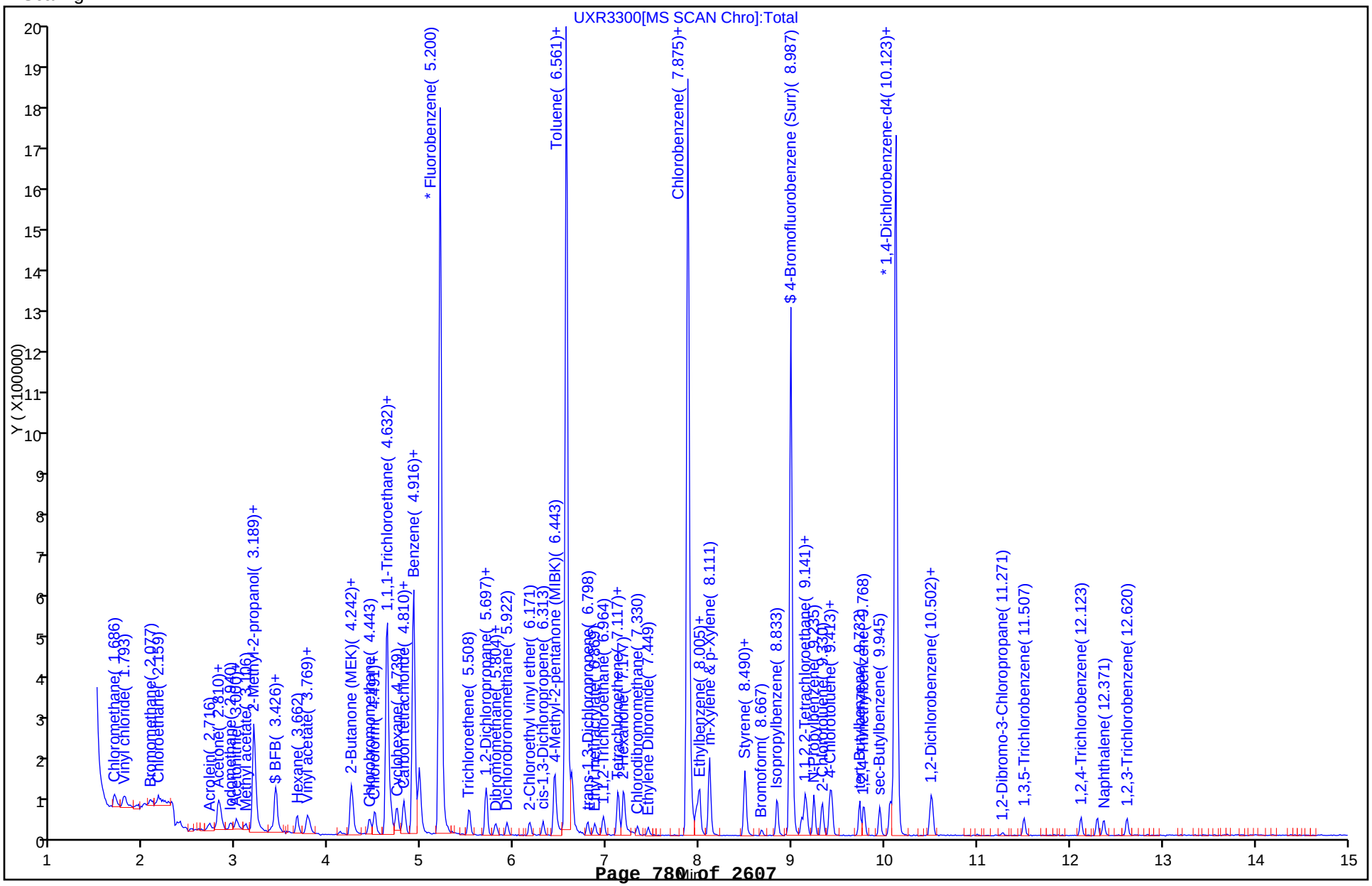
Report Date: 09-Apr-2013 08:43:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22488-1

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
Bromochloromethane	Ave	0.1275	0.1302		0.0510	0.0500	2.1	20.0
Chloroform	Ave	0.4278	0.4312	0.2000	0.0504	0.0500	0.8	20.0
1,1,1-Trichloroethane	Ave	0.3321	0.3372	0.1000	0.0508	0.0500	1.5	20.0
Cyclohexane	Ave	0.4987	0.5398	0.1000	0.0541	0.0500	8.2	20.0
1,1-Dichloropropene	Ave	0.3421	0.3701		0.0541	0.0500	8.2	20.0
Carbon tetrachloride	Ave	0.3215	0.3152	0.1000	0.0490	0.0500	-2.0	20.0
Benzene	Ave	1.060	1.052	0.5000	0.0496	0.0500	-0.8	20.0
1,2-Dichloroethane	Ave	0.3414	0.3389	0.1000	0.0496	0.0500	-0.7	20.0
Trichloroethene	Ave	0.3101	0.2902	0.2000	0.0468	0.0500	-6.4	20.0
Methylcyclohexane	Ave	0.4513	0.4848	0.1000	0.0537	0.0500	7.4	20.0
1,2-Dichloropropane	Ave	0.2650	0.2696	0.1000	0.0509	0.0500	1.7	20.0
Dibromomethane	Ave	0.1255	0.1246		0.0496	0.0500	-0.7	20.0
Bromodichloromethane	Lin1		0.2542	0.1000	0.0422	0.0500	-15.7	20.0
cis-1,3-Dichloropropene	Lin1		0.3220	0.1500	0.0439	0.0500	-12.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3035	0.2833	0.0500	0.0933	0.100	-6.7	20.0
Toluene	Ave	1.685	1.653	0.4000	0.0490	0.0500	-1.9	20.0
trans-1,3-Dichloropropene	Lin1		0.3803	0.1000	0.0453	0.0500	-9.3	20.0
1,1,2-Trichloroethane	Ave	0.2588	0.2571	0.1000	0.0497	0.0500	-0.6	20.0
Tetrachloroethene	Ave	0.3468	0.3407	0.2000	0.0491	0.0500	-1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80127/21 Calibration Date: 04/01/2013 20:31

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141683.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4627	0.4576		0.0494	0.0500	-1.1	20.0
2-Hexanone	Ave	0.2014	0.1854	0.0500	0.0921	0.100	-7.9	20.0
Dibromochloromethane	Lin1		0.2523		0.0432	0.0500	-13.7	20.0
1,2-Dibromoethane	Ave	0.2495	0.2589		0.0519	0.0500	3.8	20.0
Chlorobenzene	Ave	1.043	0.9871	0.3000	0.0473	0.0500	-5.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3351	0.3377		0.0504	0.0500	0.8	20.0
Ethylbenzene	Ave	0.5641	0.5575		0.0494	0.0500	-1.2	20.0
m-Xylene & p-Xylene	Ave	0.6957	0.6826		0.0981	0.100	-1.9	20.0
o-Xylene	Ave	0.6581	0.6583		0.0500	0.0500	0.0	20.0
Styrene	Ave	1.012	1.043	0.3000	0.0515	0.0500	3.0	20.0
Bromoform	Qua		0.1228	0.1000	0.0437	0.0500	-12.5	20.0
Isopropylbenzene	Ave	1.738	1.765	0.1000	0.0508	0.0500	1.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5845	0.5974	0.3000	0.0511	0.0500	2.2	20.0
Bromobenzene	Ave	0.8866	0.8304		0.0468	0.0500	-6.3	20.0
1,2,3-Trichloropropane	Ave	0.1986	0.1948		0.0490	0.0500	-1.9	20.0
N-Propylbenzene	Ave	1.054	1.022		0.0485	0.0500	-3.0	20.0
2-Chlorotoluene	Ave	0.9045	0.8732		0.0483	0.0500	-3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.020	2.982		0.0494	0.0500	-1.3	20.0
4-Chlorotoluene	Ave	0.9215	0.8745		0.0474	0.0500	-5.1	20.0
tert-Butylbenzene	Ave	2.843	2.811		0.0494	0.0500	-1.2	20.0
1,2,4-Trimethylbenzene	Ave	3.067	2.954		0.0482	0.0500	-3.7	20.0
sec-Butylbenzene	Ave	3.915	3.893		0.0497	0.0500	-0.6	20.0
1,3-Dichlorobenzene	Ave	1.753	1.587	0.6000	0.0453	0.0500	-9.5	20.0
4-Isopropyltoluene	Ave	3.362	3.152		0.0469	0.0500	-6.2	20.0
1,4-Dichlorobenzene	Ave	1.764	1.584	0.5000	0.0449	0.0500	-10.2	20.0
n-Butylbenzene	Ave	2.905	2.739		0.0472	0.0500	-5.7	20.0
1,2-Dichlorobenzene	Ave	1.607	1.466	0.4000	0.0456	0.0500	-8.8	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0709	0.0500	0.0430	0.0500	-14.0	20.0
1,2,4-Trichlorobenzene	Ave	1.012	0.7934	0.2000	0.0392	0.0500	-21.6*	20.0
Hexachlorobutadiene	Ave	0.5116	0.4134		0.0404	0.0500	-19.2	20.0
Naphthalene	Ave	1.973	1.551		0.0393	0.0500	-21.4*	20.0
1,2,3-Trichlorobenzene	Qua		0.6091		0.0414	0.0500	-17.3	20.0
Dibromofluoromethane (Surr)	Lin1		0.2247		0.0420	0.0500	-16.0	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2501		0.0423	0.0500	-15.4	20.0
Toluene-d8 (Surr)	Lin1		1.335		0.0433	0.0500	-13.4	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9283		0.0419	0.0500	-16.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141683.D
Lims ID: ICV Client ID:
Inject. Date: 01-Apr-2013 20:31:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0018434-021 =240-0018434-021
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 80127 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:45:02 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:38:05

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1276199	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	859219	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	404592	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	80	286768	42.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	319139	42.3	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	84	1147344	43.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	375582	41.9	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	98	293101	40.2	
13 Chloromethane	50	1.643	1.643	0.0	100	404181	42.9	
14 Vinyl chloride	62	1.773	1.773	0.0	99	346969	45.7	
15 Bromomethane	94	2.116	2.116	0.0	90	111138	44.7	
16 Chloroethane	64	2.234	2.234	0.0	97	168145	47.7	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	93	460341	47.5	
20 Acrolein	56	3.086	3.086	0.0	94	324022	398.9	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	303450	51.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	85	252938	49.1	
22 Acetone	43	3.311	3.311	0.0	99	157939	91.1	
24 Iodomethane	142	3.406	3.406	0.0	99	483077	50.6	
26 Carbon disulfide	76	3.477	3.477	0.0	100	732079	42.9	
27 Acetonitrile	41	3.737	3.737	0.0	99	286996	419.6	
28 Methyl acetate	43	3.832	3.820	0.012	97	447810	102.7	
30 Methylene Chloride	84	3.950	3.950	0.0	98	328327	47.7	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	93	378099	869.8	
32 Acrylonitrile	53	4.364	4.364	0.0	97	193545	92.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	345779	51.3	
34 Methyl tert-butyl ether	73	4.412	4.411	0.001	90	760094	50.0	
35 Hexane	86	4.802	4.802	0.0	96	94823	51.4	
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	627007	49.8	
37 Vinyl acetate	86	5.098	5.098	0.0	97	39184	39.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	279438	47.1	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	362635	49.9	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	234517	90.3	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	166137	51.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	83039	46.8	
49 Chloroform	83	6.092	6.092	0.0	96	550238	50.4	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	430275	50.8	
51 Cyclohexane	56	6.317	6.317	0.0	94	688929	54.1	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	472258	54.1	
53 Carbon tetrachloride	117	6.435	6.435	0.0	72	402239	49.0	
55 Benzene	78	6.648	6.648	0.0	98	1342259	49.6	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	432552	49.6	
60 Trichloroethene	130	7.287	7.287	0.0	96	370349	46.8	
63 Methylcyclohexane	83	7.465	7.464	0.001	96	618655	53.7	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	343996	50.9	
65 Dibromomethane	93	7.607	7.606	0.001	88	158987	49.6	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	117195	2419.3	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	324447	42.2	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	252372	98.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	89	410888	43.9	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	99	486852	93.3	
72 Toluene	91	8.459	8.458	0.001	97	1420233	49.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	326728	45.3	
74 Ethyl methacrylate	69	8.731	8.730	0.001	93	311908	54.2	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	94	220939	49.7	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	292762	49.1	
76 1,3-Dichloropropane	76	8.956	8.955	0.001	96	393155	49.4	
78 2-Hexanone	43	9.015	9.014	0.001	99	318593	92.1	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	216818	43.2	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	222489	51.9	
82 Chlorobenzene	112	9.665	9.665	0.0	91	848162	47.3	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	91	290116	50.4	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	478990	49.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1173071	98.1	
85 o-Xylene	106	10.186	10.186	0.0	94	565603	50.0	
86 Styrene	104	10.198	10.198	0.0	92	896185	51.5	
87 Bromoform	173	10.364	10.363	0.001	97	105550	43.7	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1516816	50.8	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	241682	51.1	
91 Bromobenzene	156	10.766	10.766	0.0	90	335952	46.8	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	63	72282	47.2	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	81	78828	49.0	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	413692	48.5	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	353300	48.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1206330	49.4	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	353809	47.4	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1137147	49.4	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1195091	48.2	
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	1575175	49.7	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	641905	45.3	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	89	1275303	46.9	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	640979	44.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1108371	47.2	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	592949	45.6	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	80	28669	43.0	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	394177	41.5	
109 1,2,4-Trichlorobenzene	180	13.275	13.274	0.001	92	320984	39.2	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	167276	40.4	
111 Naphthalene	128	13.476	13.475	0.001	97	627465	39.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	246450	41.4	
S 11 1,2-Dichloroethene, Total	96				0		101.2	
S 114 Xylenes, Total	106				0		148.1	

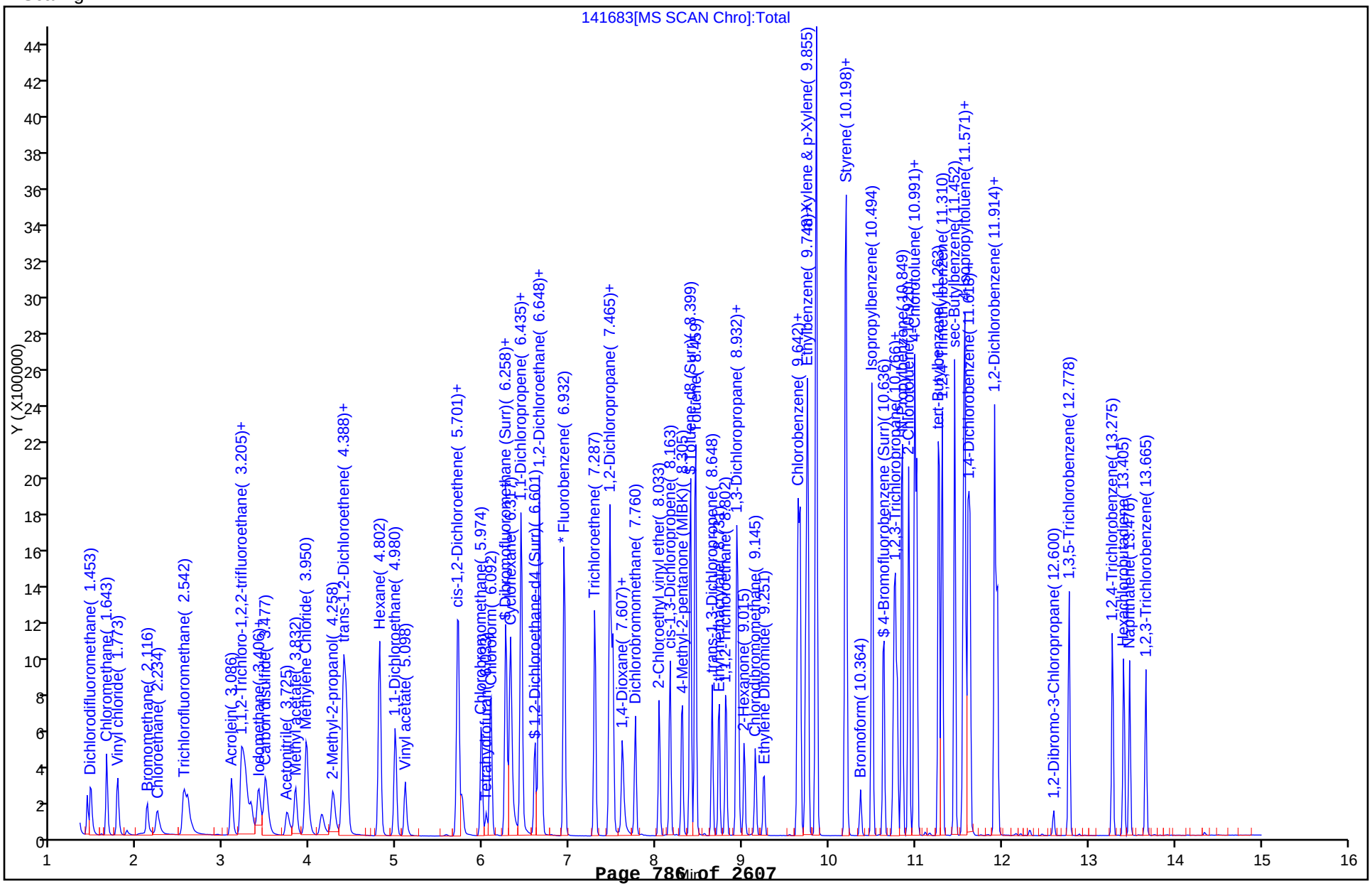
Report Date: 03-Apr-2013 12:45:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141683.D

Injection Date:	01-Apr-2013 20:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80302/3 Calibration Date: 04/02/2013 14:55

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: 141703.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	0.2953	0.1000	0.0517	0.0500	3.5	20.0
Chloromethane	Ave	0.3690	0.3626	0.1000	0.0491	0.0500	-1.7	20.0
Vinyl chloride	Ave	0.2972	0.3077	0.1000	0.0518	0.0500	3.5	20.0
Bromomethane	Ave	0.0974	0.0976	0.0500	0.0501	0.0500	0.2	20.0
Chloroethane	Ave	0.1382	0.1421	0.0500	0.0514	0.0500	2.8	20.0
Dichlorofluoromethane	Ave	0.4028	0.4313		0.0535	0.0500	7.1	20.0
Trichlorofluoromethane	Ave	0.3794	0.4116	0.1000	0.0542	0.0500	8.5	20.0
1,1-Dichloroethene	Ave	0.2294	0.2291	0.1000	0.0500	0.0500	-0.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2017	0.2002	0.0500	0.0496	0.0500	-0.7	20.0
Acetone	Lin1		0.0582	0.0500	0.0852	0.100	-14.8	20.0
Iodomethane	Ave	0.3739	0.3729		0.0499	0.0500	-0.3	20.0
Carbon disulfide	Lin1		0.5716	0.1000	0.0427	0.0500	-14.6	20.0
Methyl acetate	Ave	0.1709	0.1520	0.1000	0.222	0.250	-11.0	20.0
Methylene Chloride	Ave	0.2696	0.2579	0.1000	0.0478	0.0500	-4.3	20.0
2-Methyl-2-propanol	Ave	0.0170	0.0138		0.404	0.500	-19.2	20.0
trans-1,2-Dichloroethene	Ave	0.2642	0.2599	0.1000	0.0492	0.0500	-1.6	20.0
Methyl tert-butyl ether	Ave	0.5962	0.5543	0.1000	0.0465	0.0500	-7.0	20.0
1,1-Dichloroethane	Ave	0.4934	0.4801	0.1000	0.0487	0.0500	-2.7	20.0
Vinyl acetate	Ave	0.0388	0.0384		0.0495	0.0500	-1.0	20.0
2,2-Dichloropropane	Ave	0.2323	0.2271		0.0489	0.0500	-2.2	20.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2759	0.1000	0.0485	0.0500	-3.0	20.0
2-Butanone (MEK)	Ave	0.1017	0.0892	0.0500	0.0877	0.100	-12.3	20.0
Bromochloromethane	Ave	0.1275	0.1243		0.0488	0.0500	-2.5	20.0
Chloroform	Ave	0.4278	0.4224	0.2000	0.0494	0.0500	-1.3	20.0
1,1,1-Trichloroethane	Ave	0.3321	0.3333	0.1000	0.0502	0.0500	0.4	20.0
Cyclohexane	Ave	0.4987	0.5111	0.1000	0.0512	0.0500	2.5	20.0
1,1-Dichloropropene	Ave	0.3421	0.3391		0.0496	0.0500	-0.9	20.0
Carbon tetrachloride	Ave	0.3215	0.3139	0.1000	0.0488	0.0500	-2.4	20.0
Benzene	Ave	1.060	1.022	0.5000	0.0482	0.0500	-3.6	20.0
1,2-Dichloroethane	Ave	0.3414	0.3189	0.1000	0.0467	0.0500	-6.6	20.0
Trichloroethene	Ave	0.3101	0.2939	0.2000	0.0474	0.0500	-5.2	20.0
Methylcyclohexane	Ave	0.4513	0.4599	0.1000	0.0509	0.0500	1.9	20.0
1,2-Dichloropropane	Ave	0.2650	0.2641	0.1000	0.0498	0.0500	-0.4	20.0
Dibromomethane	Ave	0.1255	0.1204		0.0480	0.0500	-4.0	20.0
Bromodichloromethane	Lin1		0.2567	0.1000	0.0426	0.0500	-14.9	20.0
cis-1,3-Dichloropropene	Lin1		0.3191	0.1500	0.0435	0.0500	-12.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3035	0.2778	0.0500	0.0915	0.100	-8.5	20.0
Toluene	Ave	1.685	1.603	0.4000	0.0476	0.0500	-4.9	20.0
trans-1,3-Dichloropropene	Lin1		0.3453	0.1000	0.0413	0.0500	-17.5	20.0
1,1,2-Trichloroethane	Ave	0.2588	0.2492	0.1000	0.0481	0.0500	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80302/3 Calibration Date: 04/02/2013 14:55

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: 141703.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	0.3436	0.2000	0.0495	0.0500	-0.9	20.0
1,3-Dichloropropane	Ave	0.4627	0.4363		0.0471	0.0500	-5.7	20.0
2-Hexanone	Ave	0.2014	0.1818	0.0500	0.0903	0.100	-9.7	20.0
Dibromochloromethane	Lin1		0.2432		0.0417	0.0500	-16.6	20.0
1,2-Dibromoethane	Ave	0.2495	0.2429		0.0487	0.0500	-2.7	20.0
Chlorobenzene	Ave	1.043	1.001	0.3000	0.0480	0.0500	-4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3351	0.3317		0.0495	0.0500	-1.0	20.0
Ethylbenzene	Ave	0.5641	0.5622		0.0498	0.0500	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6957	0.6808		0.0489	0.0500	-2.2	20.0
o-Xylene	Ave	0.6581	0.6534		0.0496	0.0500	-0.7	20.0
Styrene	Ave	1.012	1.044	0.3000	0.0515	0.0500	3.1	20.0
Bromoform	Qua		0.1158	0.1000	0.0415	0.0500	-17.0	20.0
Isopropylbenzene	Ave	1.738	1.774	0.1000	0.0510	0.0500	2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5845	0.5531	0.3000	0.0473	0.0500	-5.4	20.0
Bromobenzene	Ave	0.8866	0.8347		0.0471	0.0500	-5.8	20.0
1,2,3-Trichloropropane	Ave	0.1986	0.1806		0.0455	0.0500	-9.1	20.0
N-Propylbenzene	Ave	1.054	1.064		0.0504	0.0500	0.9	20.0
2-Chlorotoluene	Ave	0.9045	0.8831		0.0488	0.0500	-2.4	20.0
1,3,5-Trimethylbenzene	Ave	3.020	3.053		0.0506	0.0500	1.1	20.0
4-Chlorotoluene	Ave	0.9215	0.8838		0.0480	0.0500	-4.1	20.0
tert-Butylbenzene	Ave	2.843	2.864		0.0504	0.0500	0.7	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.054		0.0498	0.0500	-0.4	20.0
sec-Butylbenzene	Ave	3.915	3.986		0.0509	0.0500	1.8	20.0
1,3-Dichlorobenzene	Ave	1.753	1.626	0.6000	0.0464	0.0500	-7.2	20.0
4-Isopropyltoluene	Ave	3.362	3.331		0.0495	0.0500	-0.9	20.0
1,4-Dichlorobenzene	Ave	1.764	1.622	0.5000	0.0460	0.0500	-8.1	20.0
n-Butylbenzene	Ave	2.905	2.887		0.0497	0.0500	-0.6	20.0
1,2-Dichlorobenzene	Ave	1.607	1.441	0.4000	0.0448	0.0500	-10.3	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0668	0.0500	0.0409	0.0500	-18.1	20.0
1,2,4-Trichlorobenzene	Ave	1.012	0.8326	0.2000	0.0412	0.0500	-17.7	20.0
Hexachlorobutadiene	Ave	0.5116	0.4275		0.0418	0.0500	-16.5	20.0
Naphthalene	Ave	1.973	1.475		0.0374	0.0500	-25.2*	20.0
1,2,3-Trichlorobenzene	Qua		0.6131		0.0416	0.0500	-16.8	20.0
Dibromofluoromethane (Surr)	Lin1		0.2540		0.0480	0.0500	-4.0	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2775		0.0475	0.0500	-4.9	20.0
Toluene-d8 (Surr)	Lin1		1.468		0.0482	0.0500	-3.6	20.0
4-Bromofluorobenzene (Surr)	Lin1		1.035		0.0474	0.0500	-5.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141703.D
Lims ID: ccvis Client ID:
Inject. Date: 02-Apr-2013 14:55:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0018475-003 =240-0018475-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 80302 Lims Sample ID: 3
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:51:26 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 14:51:26

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1188120	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	802228	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	374148	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	84	301798	48.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	99	329709	47.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1177335	48.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	387119	47.4	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	350856	51.7	
13 Chloromethane	50	1.643	1.643	0.0	100	430788	49.1	
14 Vinyl chloride	62	1.761	1.761	0.0	99	365531	51.8	
15 Bromomethane	94	2.104	2.104	0.0	90	116012	50.1	
16 Chloroethane	64	2.222	2.222	0.0	97	168767	51.4	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	512444	53.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	100	488968	54.2	
19 Ethyl ether	59	2.921	2.921	0.0	98	244770	45.7	
20 Acrolein	56	3.086	3.086	0.0	96	325983	431.1	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	272250	50.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	74	237823	49.6	
22 Acetone	43	3.311	3.311	0.0	99	138197	85.2	
24 Iodomethane	142	3.394	3.394	0.0	98	443019	49.9	
26 Carbon disulfide	76	3.477	3.477	0.0	100	679092	42.7	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	154259	48.0	
28 Methyl acetate	43	3.820	3.820	0.0	97	903199	222.4	
30 Methylene Chloride	84	3.950	3.950	0.0	98	306438	47.8	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	92	163420	403.8	
32 Acrylonitrile	53	4.364	4.364	0.0	99	868735	443.9	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	308835	49.2	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	93	658549	46.5	
35 Hexane	86	4.802	4.802	0.0	95	81625	47.6	

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	570453	48.7	
37 Vinyl acetate	86	5.098	5.098	0.0	97	45590	49.5	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	269869	48.9	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	87	327839	48.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	211865	87.7	
47 Chlorobromomethane	128	5.974	5.974	0.0	97	147726	48.8	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	137553	83.3	
49 Chloroform	83	6.080	6.080	0.0	97	501802	49.4	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	96	395948	50.2	
51 Cyclohexane	56	6.317	6.317	0.0	95	607219	51.2	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	88	402899	49.6	
53 Carbon tetrachloride	117	6.435	6.435	0.0	76	372979	48.8	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	178873	1086.0	
55 Benzene	78	6.648	6.648	0.0	97	1213902	48.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	378869	46.7	
58 n-Heptane	100	6.944	6.944	0.0	95	97834	49.0	
60 Trichloroethene	130	7.287	7.287	0.0	96	349206	47.4	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	546384	50.9	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	313718	49.8	
65 Dibromomethane	93	7.606	7.606	0.0	93	143090	48.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	42682	946.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	304983	42.6	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	217918	91.1	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	379095	43.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.293	8.293	0.0	99	445738	91.5	
72 Toluene	91	8.458	8.458	0.0	98	1285855	47.6	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	277017	41.3	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	265078	49.3	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	95	199889	48.1	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	275622	49.5	
76 1,3-Dichloropropane	76	8.944	8.944	0.0	98	349982	47.1	
78 2-Hexanone	43	9.015	9.015	0.0	99	291626	90.3	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	195136	41.7	
123 Ethylene Dibromide	107	9.239	9.239	0.0	99	194857	48.7	
82 Chlorobenzene	112	9.665	9.665	0.0	95	802973	48.0	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	87	266111	49.5	
84 Ethylbenzene	106	9.748	9.748	0.0	99	450983	49.8	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	546123	48.9	
85 o-Xylene	106	10.186	10.186	0.0	94	524194	49.6	
86 Styrene	104	10.198	10.198	0.0	91	837323	51.5	
87 Bromoform	173	10.364	10.364	0.0	98	92874	41.5	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	1423188	51.0	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	206924	47.3	
91 Bromobenzene	156	10.766	10.766	0.0	90	312314	47.1	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	79	65415	46.2	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	76	67565	45.5	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	397920	50.4	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	330398	48.8	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1142330	50.6	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	330676	48.0	
97 tert-Butylbenzene	119	11.263	11.263	0.0	90	1071561	50.4	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	77	1142472	49.8	

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	1491237	50.9	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	99	608300	46.4	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1246144	49.5	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	96	606787	46.0	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1079981	49.7	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	539165	44.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	81	25002	40.9	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	311515	41.2	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	97	159935	41.8	
111 Naphthalene	128	13.476	13.476	0.0	97	551979	37.4	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	229392	41.6	
S 137 Trihalomethanes, Total	1				0		175.1	
S 11 1,2-Dichloroethene, Total	96				0		97.7	
S 9 1,3-Dichloropropene, Total	75				0		84.8	
S 114 Xylenes, Total	106				0		98.6	

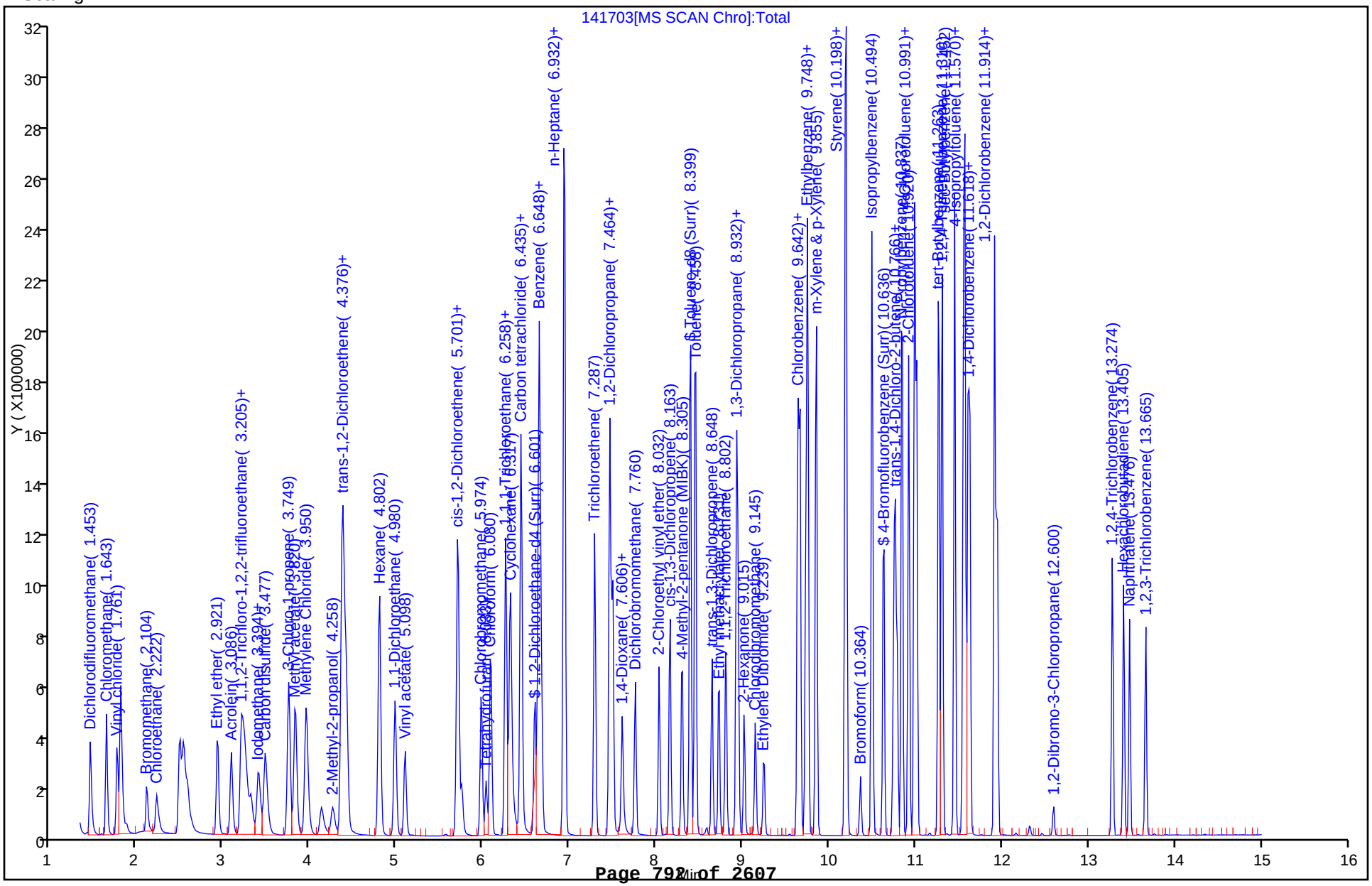
Report Date: 03-Apr-2013 14:51:28 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141703.D

Injection Date:	02-Apr-2013 14:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80302/4 Calibration Date: 04/02/2013 15:17

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: 141704.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		0.2420		0.0455	0.0500	-8.9	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2901		0.0500	0.0500	-0.1	20.0
Toluene-d8 (Surr)	Lin1		1.525		0.0503	0.0500	0.6	20.0
4-Bromofluorobenzene (Surr)	Lin1		1.074		0.0494	0.0500	-1.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141704.D
Lims ID: ccv Client ID:
Inject. Date: 02-Apr-2013 15:17:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0018475-004 =240-0018475-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 80302 Lims Sample ID: 4
Sublist: chrom-8260_14*sub34
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:23:45 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 15:41:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1234591	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	800247	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	356652	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	77	298785	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	358130	50.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1220032	50.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	382914	49.4	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	100	310362	469.0	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	599244	52.0	
38 Isopropyl ether	87	5.122	5.122	0.0	95	276834	48.8	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	939560	49.3	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	99	350842	459.3	
45 Ethyl acetate	43	5.843	5.843	0.0	100	521326	95.2	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1725112	478.2	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	666655	49.3	
59 n-Butanol	56	7.275	7.275	0.0	93	137115	1205.3	
64 Methyl methacrylate	41	7.618	7.618	0.0	93	471551	96.8	
68 2-Nitropropane	41	7.962	7.962	0.0	98	77770	93.2	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	360621	0	
89 Cyclohexanone	55	10.588	10.588	0.0	93	66118	488.0	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	1029858	49.3	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	97	392025	46.9	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	89	606765	70.6	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

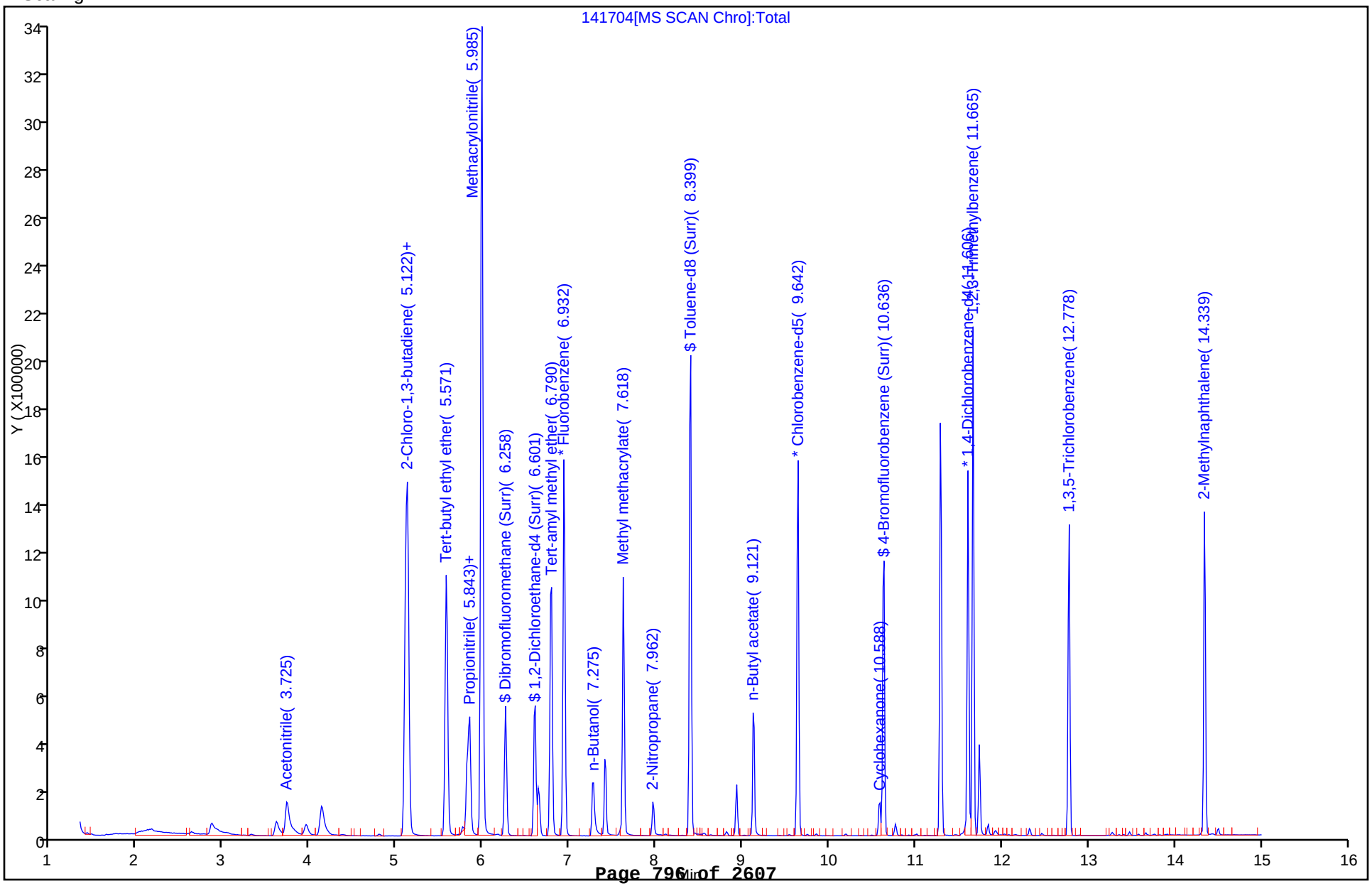
Report Date: 03-Apr-2013 14:23:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141704.D

Injection Date:	02-Apr-2013 15:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80302/4 Calibration Date: 04/02/2013 15:17

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: 141704.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	0.0083		0.488	0.500	-2.4	20.0
1,2,3-Trimethylbenzene	Ave	2.929	2.888		0.0493	0.0500	-1.4	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130402-18475.b\141704.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	02-Apr-2013 15:17:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0018475-004 =240-0018475-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	80302	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub34		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m		
Last Update:	03-Apr-2013 14:23:45	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 15:41:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1234591	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	800247	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	356652	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	77	298785	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	358130	50.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1220032	50.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	382914	49.4	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	100	310362	469.0	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	599244	52.0	
38 Isopropyl ether	87	5.122	5.122	0.0	95	276834	48.8	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	939560	49.3	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	99	350842	459.3	
45 Ethyl acetate	43	5.843	5.843	0.0	100	521326	95.2	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1725112	478.2	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	666655	49.3	
59 n-Butanol	56	7.275	7.275	0.0	93	137115	1205.3	
64 Methyl methacrylate	41	7.618	7.618	0.0	93	471551	96.8	
68 2-Nitropropane	41	7.962	7.962	0.0	98	77770	93.2	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	360621	0	
89 Cyclohexanone	55	10.588	10.588	0.0	93	66118	488.0	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	1029858	49.3	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	97	392025	46.9	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	89	606765	70.6	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

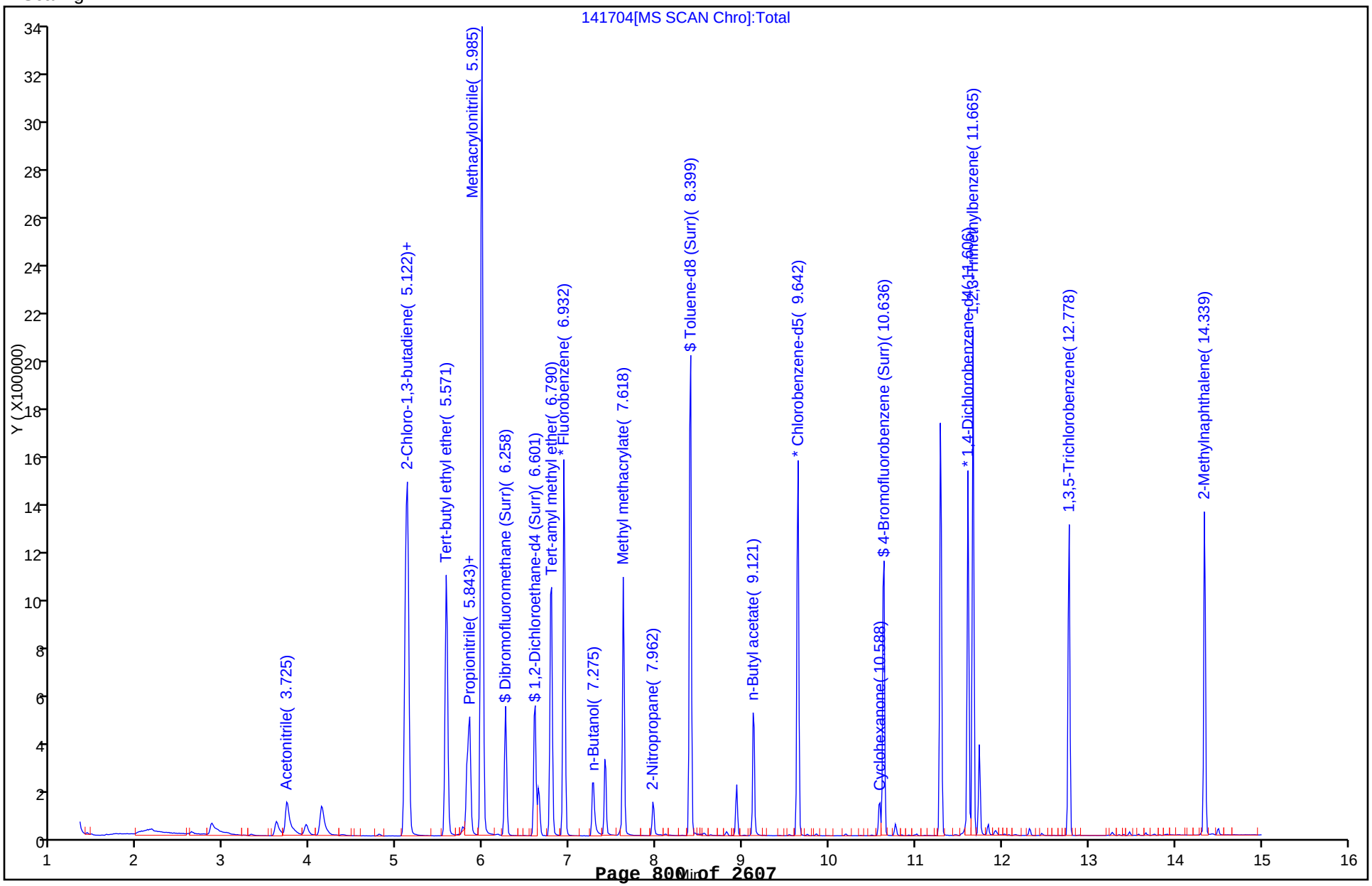
Report Date: 03-Apr-2013 14:23:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141704.D

Injection Date:	02-Apr-2013 15:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80388/3 Calibration Date: 04/03/2013 11:03

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: 141734.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	0.2800	0.1000	0.0491	0.0500	-1.9	20.0
Chloromethane	Ave	0.3690	0.3473	0.1000	0.0471	0.0500	-5.9	20.0
Vinyl chloride	Ave	0.2972	0.2950	0.1000	0.0496	0.0500	-0.7	20.0
Bromomethane	Ave	0.0974	0.0970	0.0500	0.0497	0.0500	-0.5	20.0
Chloroethane	Ave	0.1382	0.1601	0.0500	0.0579	0.0500	15.8	20.0
Dichlorofluoromethane	Ave	0.4028	0.4351		0.0540	0.0500	8.0	20.0
Trichlorofluoromethane	Ave	0.3794	0.4239	0.1000	0.0559	0.0500	11.7	20.0
1,1-Dichloroethene	Ave	0.2294	0.2266	0.1000	0.0494	0.0500	-1.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2017	0.2006	0.0500	0.0497	0.0500	-0.5	20.0
Acetone	Lin1		0.0587	0.0500	0.0861	0.100	-13.9	20.0
Iodomethane	Ave	0.3739	0.3797		0.0508	0.0500	1.6	20.0
Carbon disulfide	Lin1		0.5563	0.1000	0.0417	0.0500	-16.7	20.0
Methyl acetate	Ave	0.1709	0.1519	0.1000	0.222	0.250	-11.1	20.0
Methylene Chloride	Ave	0.2696	0.2527	0.1000	0.0469	0.0500	-6.3	20.0
2-Methyl-2-propanol	Ave	0.0170	0.0129		0.378	0.500	-24.4*	20.0
trans-1,2-Dichloroethene	Ave	0.2642	0.2666	0.1000	0.0505	0.0500	0.9	20.0
Methyl tert-butyl ether	Ave	0.5962	0.5548	0.1000	0.0465	0.0500	-6.9	20.0
1,1-Dichloroethane	Ave	0.4934	0.4885	0.1000	0.0495	0.0500	-1.0	20.0
Vinyl acetate	Ave	0.0388	0.0361		0.0465	0.0500	-6.9	20.0
2,2-Dichloropropane	Ave	0.2323	0.2282		0.0491	0.0500	-1.7	20.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2799	0.1000	0.0492	0.0500	-1.6	20.0
2-Butanone (MEK)	Ave	0.1017	0.0891	0.0500	0.0876	0.100	-12.4	20.0
Bromochloromethane	Ave	0.1275	0.1270		0.0498	0.0500	-0.4	20.0
Chloroform	Ave	0.4278	0.4283	0.2000	0.0501	0.0500	0.1	20.0
1,1,1-Trichloroethane	Ave	0.3321	0.3376	0.1000	0.0508	0.0500	1.7	20.0
Cyclohexane	Ave	0.4987	0.5140	0.1000	0.0515	0.0500	3.1	20.0
1,1-Dichloropropene	Ave	0.3421	0.3461		0.0506	0.0500	1.2	20.0
Carbon tetrachloride	Ave	0.3215	0.3196	0.1000	0.0497	0.0500	-0.6	20.0
Benzene	Ave	1.060	1.047	0.5000	0.0494	0.0500	-1.2	20.0
1,2-Dichloroethane	Ave	0.3414	0.3311	0.1000	0.0485	0.0500	-3.0	20.0
Trichloroethene	Ave	0.3101	0.2927	0.2000	0.0472	0.0500	-5.6	20.0
Methylcyclohexane	Ave	0.4513	0.4770	0.1000	0.0528	0.0500	5.7	20.0
1,2-Dichloropropane	Ave	0.2650	0.2657	0.1000	0.0501	0.0500	0.3	20.0
Dibromomethane	Ave	0.1255	0.1194		0.0476	0.0500	-4.8	20.0
Bromodichloromethane	Lin1		0.2594	0.1000	0.0430	0.0500	-14.0	20.0
cis-1,3-Dichloropropene	Lin1		0.3099	0.1500	0.0423	0.0500	-15.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3035	0.2820	0.0500	0.0929	0.100	-7.1	20.0
Toluene	Ave	1.685	1.694	0.4000	0.0503	0.0500	0.6	20.0
trans-1,3-Dichloropropene	Lin1		0.3562	0.1000	0.0425	0.0500	-14.9	20.0
1,1,2-Trichloroethane	Ave	0.2588	0.2564	0.1000	0.0495	0.0500	-0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80388/3 Calibration Date: 04/03/2013 11:03

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: 141734.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	0.3613	0.2000	0.0521	0.0500	4.2	20.0
1,3-Dichloropropane	Ave	0.4627	0.4512		0.0488	0.0500	-2.5	20.0
2-Hexanone	Ave	0.2014	0.1797	0.0500	0.0892	0.100	-10.8	20.0
Dibromochloromethane	Lin1		0.2497		0.0427	0.0500	-14.5	20.0
1,2-Dibromoethane	Ave	0.2495	0.2485		0.0498	0.0500	-0.4	20.0
Chlorobenzene	Ave	1.043	1.015	0.3000	0.0486	0.0500	-2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3351	0.3407		0.0508	0.0500	1.7	20.0
Ethylbenzene	Ave	0.5641	0.5820		0.0516	0.0500	3.2	20.0
m-Xylene & p-Xylene	Ave	0.6957	0.6988		0.0502	0.0500	0.4	20.0
o-Xylene	Ave	0.6581	0.6657		0.0506	0.0500	1.2	20.0
Styrene	Ave	1.012	1.048	0.3000	0.0518	0.0500	3.5	20.0
Bromoform	Qua		0.1155	0.1000	0.0414	0.0500	-17.2	20.0
Isopropylbenzene	Ave	1.738	1.811	0.1000	0.0521	0.0500	4.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5845	0.5770	0.3000	0.0494	0.0500	-1.3	20.0
Bromobenzene	Ave	0.8866	0.8617		0.0486	0.0500	-2.8	20.0
1,2,3-Trichloropropane	Ave	0.1986	0.1829		0.0460	0.0500	-7.9	20.0
N-Propylbenzene	Ave	1.054	1.112		0.0527	0.0500	5.5	20.0
2-Chlorotoluene	Ave	0.9045	0.9124		0.0504	0.0500	0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.020	3.140		0.0520	0.0500	4.0	20.0
4-Chlorotoluene	Ave	0.9215	0.9174		0.0498	0.0500	-0.4	20.0
tert-Butylbenzene	Ave	2.843	2.906		0.0511	0.0500	2.2	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.140		0.0512	0.0500	2.4	20.0
sec-Butylbenzene	Ave	3.915	4.083		0.0521	0.0500	4.3	20.0
1,3-Dichlorobenzene	Ave	1.753	1.670	0.6000	0.0476	0.0500	-4.7	20.0
4-Isopropyltoluene	Ave	3.362	3.456		0.0514	0.0500	2.8	20.0
1,4-Dichlorobenzene	Ave	1.764	1.661	0.5000	0.0471	0.0500	-5.8	20.0
n-Butylbenzene	Ave	2.905	3.017		0.0519	0.0500	3.9	20.0
1,2-Dichlorobenzene	Ave	1.607	1.489	0.4000	0.0463	0.0500	-7.3	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0687	0.0500	0.0419	0.0500	-16.3	20.0
1,2,4-Trichlorobenzene	Ave	1.012	0.8113	0.2000	0.0401	0.0500	-19.8	20.0
Hexachlorobutadiene	Ave	0.5116	0.4472		0.0437	0.0500	-12.6	20.0
Naphthalene	Ave	1.973	1.435		0.0364	0.0500	-27.2*	20.0
1,2,3-Trichlorobenzene	Qua		0.6055		0.0411	0.0500	-17.8	20.0
Dibromofluoromethane (Surr)	Lin1		0.2490		0.0470	0.0500	-6.0	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2778		0.0476	0.0500	-4.8	20.0
Toluene-d8 (Surr)	Lin1		1.517		0.0500	0.0500	0.0	20.0
4-Bromofluorobenzene (Surr)	Lin1		1.040		0.0476	0.0500	-4.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141734.D
Lims ID: ccvis Client ID:
Inject. Date: 03-Apr-2013 11:03:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0018501-003 =240-0018501-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 80388 Lims Sample ID: 3
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 05-Apr-2013 00:26:15 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: XAWRK021

First Level Reviewer: latat Date: 05-Apr-2013 00:26:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1168506	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	754407	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	344508	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	84	291003	47.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	324657	47.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1144669	50.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	358300	47.6	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	98	327196	49.1	
13 Chloromethane	50	1.643	1.643	0.0	100	405848	47.1	
14 Vinyl chloride	62	1.773	1.773	0.0	99	344742	49.6	
15 Bromomethane	94	2.116	2.116	0.0	90	113293	49.7	
16 Chloroethane	64	2.234	2.234	0.0	97	187069	57.9	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	508419	54.0	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	495316	55.9	
19 Ethyl ether	59	2.932	2.932	0.0	98	251476	47.7	
20 Acrolein	56	3.086	3.086	0.0	94	315672	424.5	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	264836	49.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.252	0.0	92	234398	49.7	
22 Acetone	43	3.311	3.311	0.0	98	137135	86.1	
24 Iodomethane	142	3.406	3.406	0.0	98	443723	50.8	
26 Carbon disulfide	76	3.477	3.477	0.0	100	650007	41.7	
29 3-Chloro-1-propene	76	3.761	3.761	0.0	82	156777	49.6	
28 Methyl acetate	43	3.832	3.832	0.0	97	887378	222.2	
30 Methylene Chloride	84	3.950	3.950	0.0	99	295239	46.9	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	92	150497	378.1	
32 Acrylonitrile	53	4.364	4.364	0.0	99	844035	438.5	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	311513	50.5	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	93	648334	46.5	
35 Hexane	86	4.802	4.802	0.0	96	82801	49.1	

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	98	570796	49.5	
37 Vinyl acetate	86	5.098	5.098	0.0	97	42163	46.5	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	84	266677	49.1	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	327110	49.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	208191	87.6	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	148432	49.8	
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	131928	81.3	
49 Chloroform	83	6.092	6.092	0.0	96	500470	50.1	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	94	394502	50.8	
51 Cyclohexane	56	6.317	6.317	0.0	94	600625	51.5	
53 Carbon tetrachloride	117	6.435	6.435	0.0	88	373452	49.7	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	404446	50.6	
54 Isobutyl alcohol	41	6.636	6.636	0.0	89	168758	1041.7	
55 Benzene	78	6.648	6.648	0.0	97	1223346	49.4	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	386942	48.5	
58 n-Heptane	100	6.944	6.944	0.0	94	99403	50.6	
60 Trichloroethene	130	7.287	7.287	0.0	96	341985	47.2	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	557334	52.8	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	310492	50.1	
65 Dibromomethane	93	7.606	7.606	0.0	96	139510	47.6	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	39785	897.0	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	303146	43.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	188051	79.9	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	362143	42.3	
71 4-Methyl-2-pentanone (MIBK)	43	8.293	8.293	0.0	98	425445	92.9	
72 Toluene	91	8.458	8.458	0.0	97	1278271	50.3	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	268716	42.5	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	248473	49.1	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	94	193406	49.5	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	272544	52.1	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	340354	48.8	
78 2-Hexanone	43	9.015	9.015	0.0	99	271143	89.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	188345	42.7	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	187449	49.8	
82 Chlorobenzene	112	9.665	9.665	0.0	94	765707	48.6	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	91	257041	50.8	
84 Ethylbenzene	106	9.748	9.748	0.0	99	439078	51.6	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	527190	50.2	
85 o-Xylene	106	10.186	10.186	0.0	94	502234	50.6	
86 Styrene	104	10.198	10.198	0.0	90	790532	51.8	
87 Bromoform	173	10.363	10.363	0.0	96	87163	41.4	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1366582	52.1	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	198777	49.4	
91 Bromobenzene	156	10.766	10.766	0.0	96	296859	48.6	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	79	61485	47.1	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	76	63003	46.0	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	383061	52.7	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	314338	50.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1081846	52.0	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	316050	49.8	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1001034	51.1	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1081635	51.2	

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	93	1406720	52.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	575175	47.6	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1190614	51.4	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	572239	47.1	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1039547	51.9	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	513004	46.3	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	79	23659	41.9	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	95	279512	40.1	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	98	154076	43.7	
111 Naphthalene	128	13.476	13.476	0.0	97	494449	36.4	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	208603	41.1	
S 137 Trihalomethanes, Total	1				0		177.2	
S 11 1,2-Dichloroethene, Total	96				0		99.6	
S 9 1,3-Dichloropropene, Total	75				0		84.8	
S 114 Xylenes, Total	106				0		100.8	

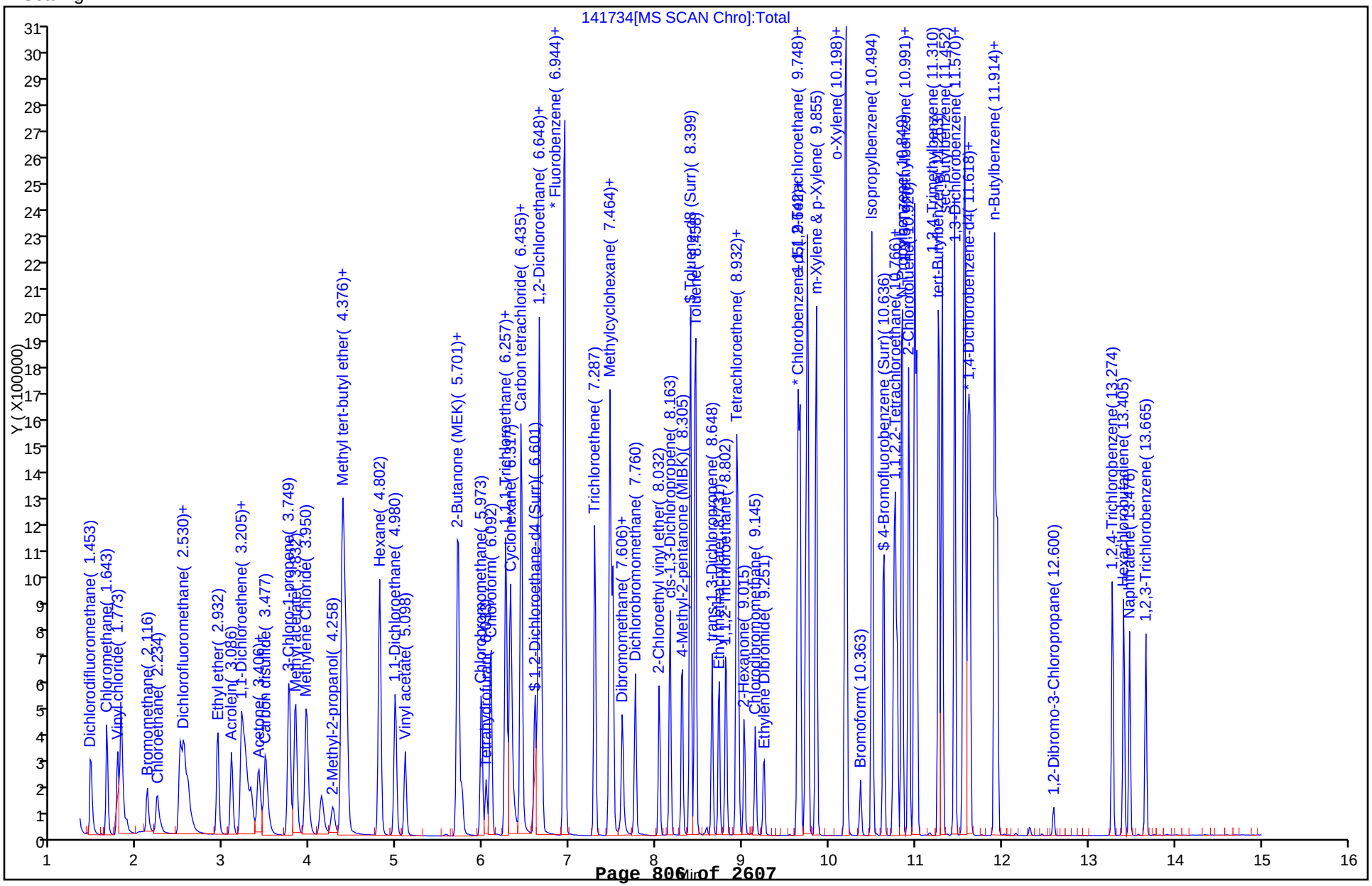
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141734.D

Injection Date:	03-Apr-2013 11:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80388/4 Calibration Date: 04/03/2013 11:25

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: 141735.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		0.2463		0.0464	0.0500	-7.2	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2888		0.0497	0.0500	-0.6	20.0
Toluene-d8 (Surr)	Lin1		1.512		0.0498	0.0500	-0.3	20.0
4-Bromofluorobenzene (Surr)	Lin1		1.098		0.0506	0.0500	1.2	20.0

Report Date: 04-Apr-2013 10:47:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141735.D
Lims ID: ccv Client ID:
Inject. Date: 03-Apr-2013 11:25:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0018501-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 80388 Lims Sample ID: 4
Sublist: chrom-8260_14*sub34
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 11:48:00

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	1133423	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	93	744742	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	322271	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	72	279149	46.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	327358	49.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1126357	49.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	353817	50.6	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	99	293010	482.4	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	568469	53.8	
38 Isopropyl ether	87	5.122	5.122	0.0	95	262106	50.3	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	878373	50.2	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	98	327965	467.6	
45 Ethyl acetate	43	5.843	5.843	0.0	99	472810	94.1	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1625830	490.9	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	93	619212	49.9	
59 n-Butanol	56	7.275	7.275	0.0	94	123781	1169.2	
64 Methyl methacrylate	41	7.618	7.618	0.0	92	437618	97.9	
68 2-Nitropropane	41	7.961	7.961	0.0	100	71821	93.7	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	326522	0	
89 Cyclohexanone	55	10.577	10.577	0.0	95	58875	467.0	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	995747	52.7	
108 1,3,5-Trichlorobenzene	180	12.777	12.777	0.0	97	377901	50.0	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	89	578796	74.5	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

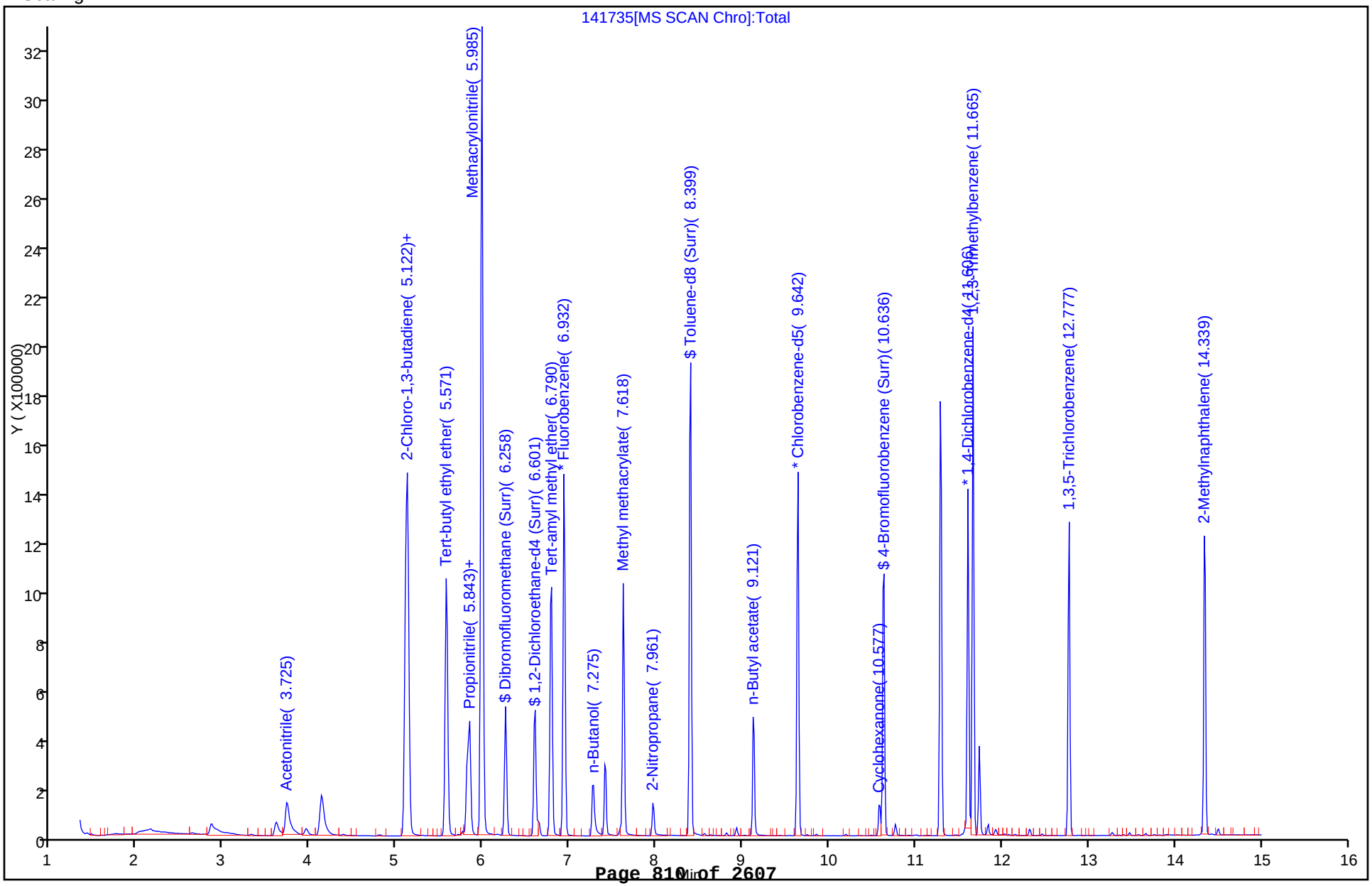
Report Date: 04-Apr-2013 10:47:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141735.D

Injection Date:	03-Apr-2013 11:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80388/4 Calibration Date: 04/03/2013 11:25

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: 141735.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	0.0079		0.467	0.500	-6.6	20.0
1,2,3-Trimethylbenzene	Ave	2.929	3.090		0.0527	0.0500	5.5	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\141735.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	03-Apr-2013 11:25:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0018501-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	80388	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub34		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m		
Last Update:	04-Apr-2013 10:47:53	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:	XAWRK029		
First Level Reviewer: macenczaks		Date:	03-Apr-2013 11:48:00

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	1133423	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	93	744742	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	322271	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	72	279149	46.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	327358	49.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1126357	49.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	353817	50.6	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	99	293010	482.4	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	568469	53.8	
38 Isopropyl ether	87	5.122	5.122	0.0	95	262106	50.3	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	98	878373	50.2	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	98	327965	467.6	
45 Ethyl acetate	43	5.843	5.843	0.0	99	472810	94.1	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1625830	490.9	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	93	619212	49.9	
59 n-Butanol	56	7.275	7.275	0.0	94	123781	1169.2	
64 Methyl methacrylate	41	7.618	7.618	0.0	92	437618	97.9	
68 2-Nitropropane	41	7.961	7.961	0.0	100	71821	93.7	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	326522	0	
89 Cyclohexanone	55	10.577	10.577	0.0	95	58875	467.0	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	995747	52.7	
108 1,3,5-Trichlorobenzene	180	12.777	12.777	0.0	97	377901	50.0	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	89	578796	74.5	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

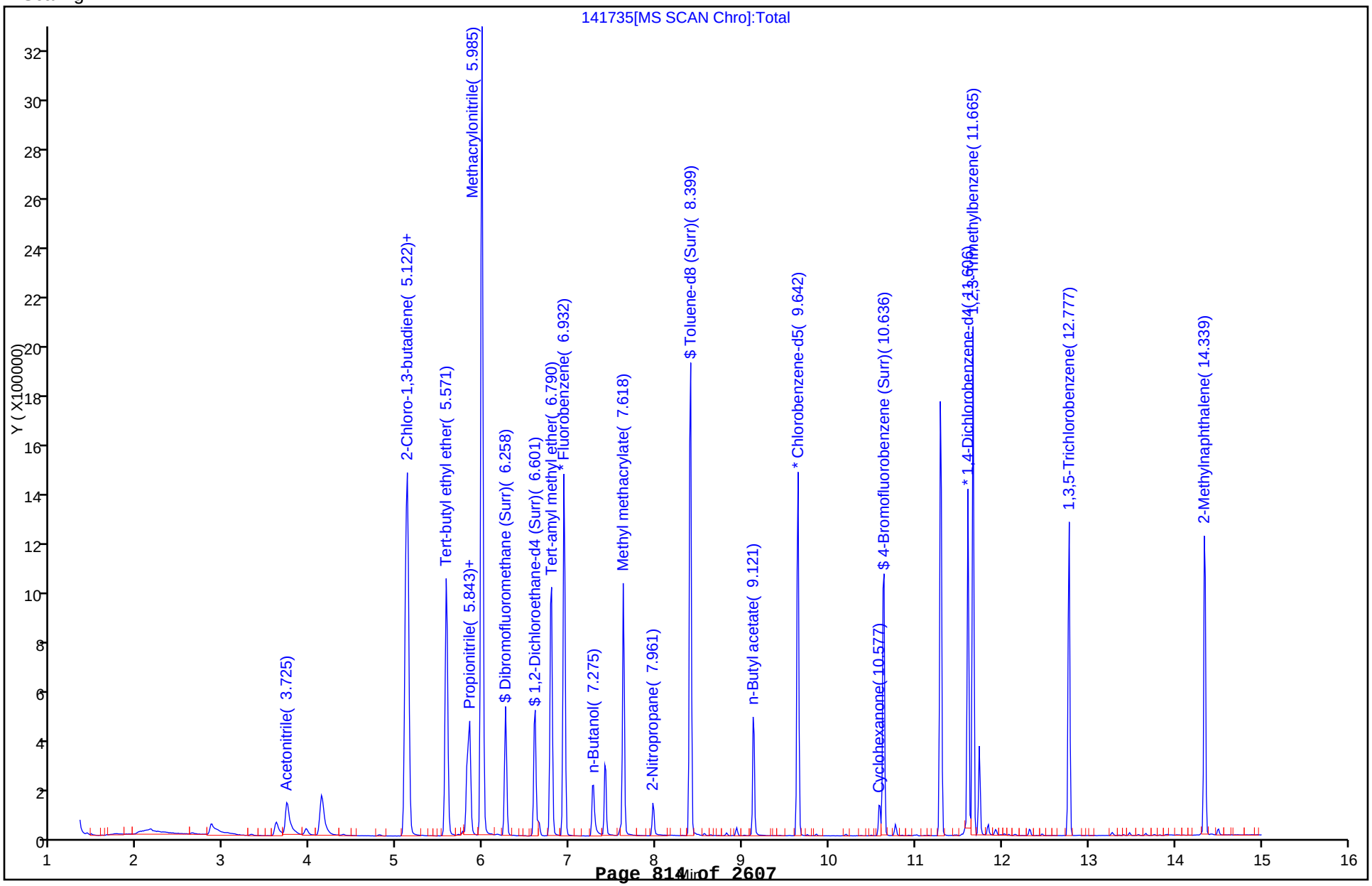
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141735.D

Injection Date:	03-Apr-2013 11:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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

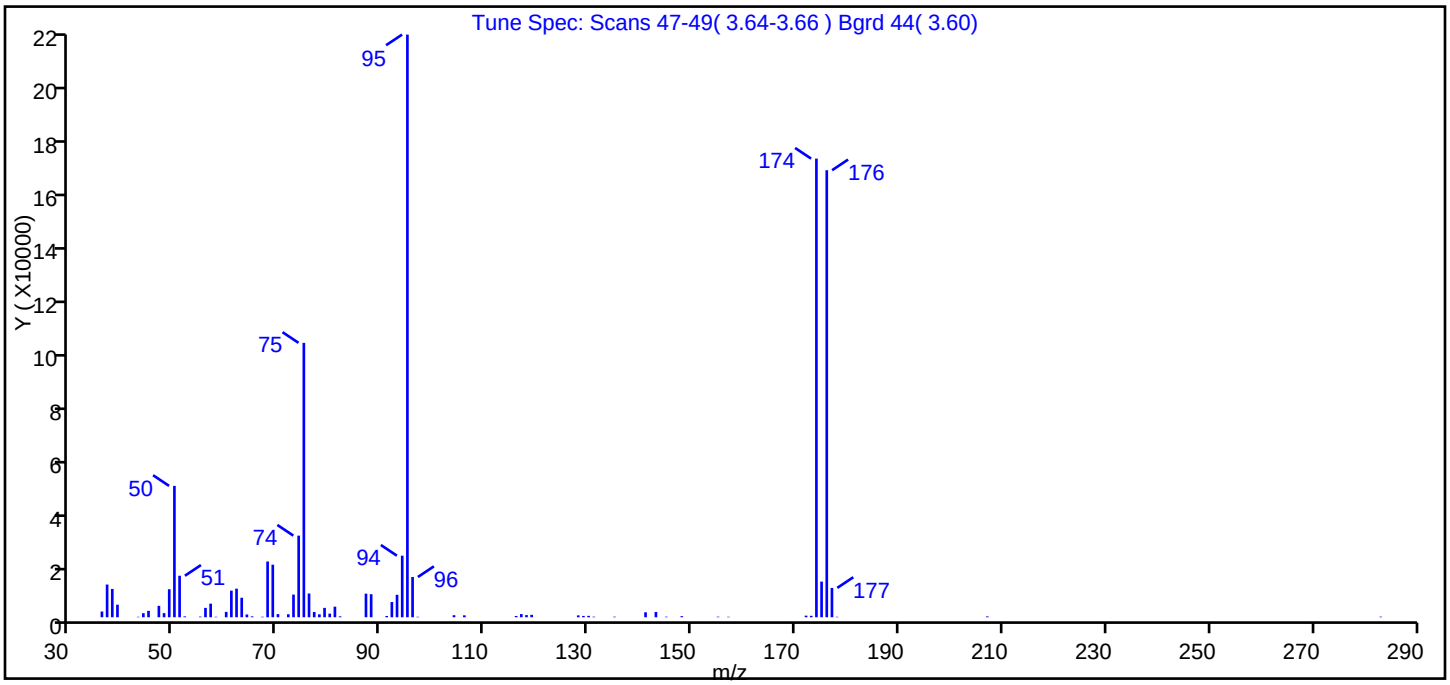
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.650	3.650	0.0	0	488839	0	

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

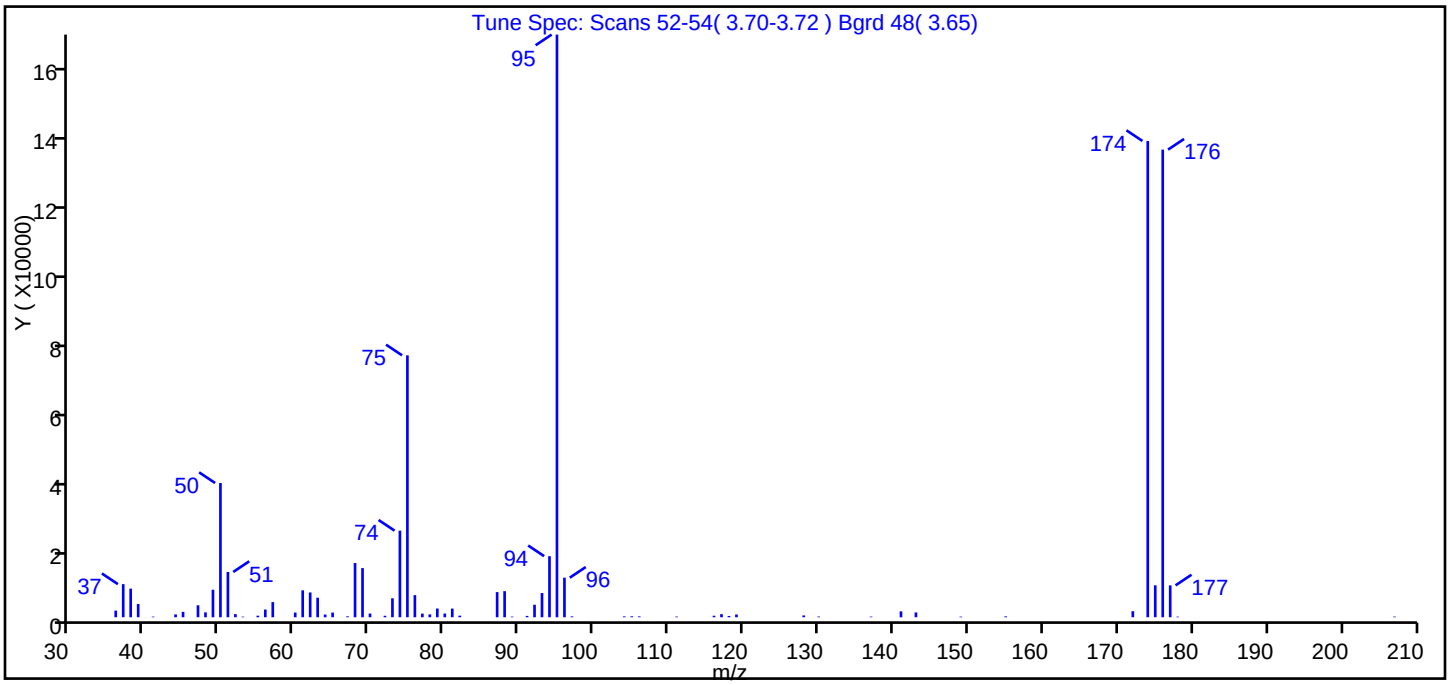
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.709	3.709	0.0	0	604369	0	

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

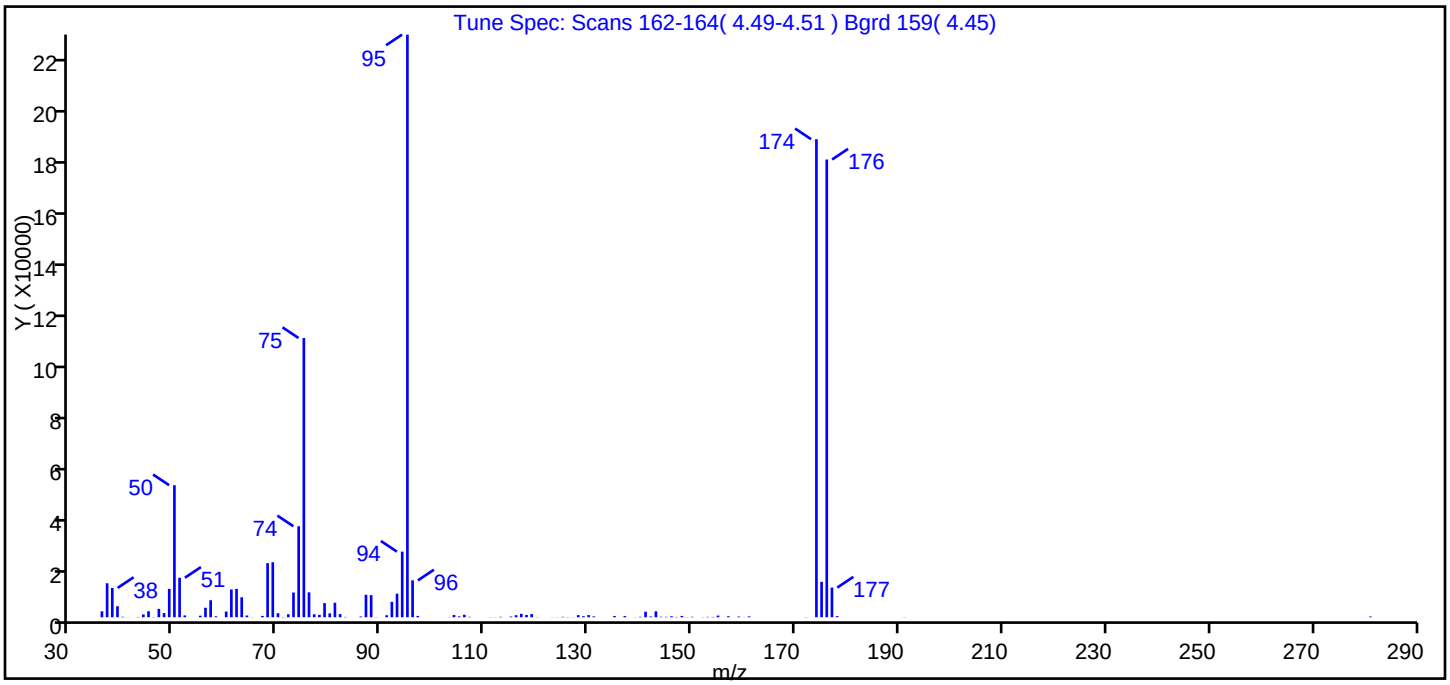
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	510476	0	

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\20130402-18475.b\BFB14385.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	02-Apr-2013 14:12:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018475-001 =240-0018475-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	80302	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m		
Last Update:	03-Apr-2013 14:23:42	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 15:16:29

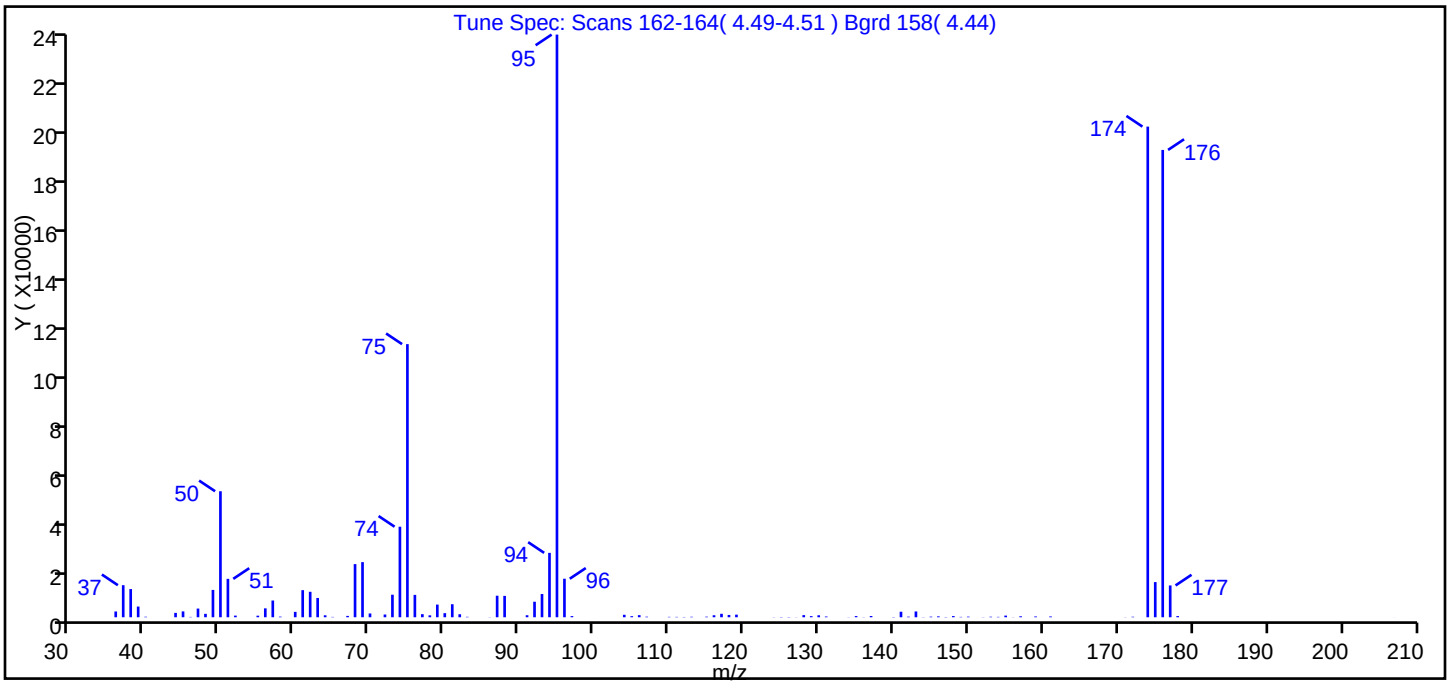
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	554079	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130402-18475.b\BFB14385.D		
Injection Date:	02-Apr-2013 14:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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	21.63
75	30.00 - 60.00% of mass 95	46.87
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.21
175	5.00 - 9.00% of mass 174	6.04 (7.17)
176	95.00 - 101.00% of mass 174	80.20 (95.25)
177	5.00 - 9.00% of mass 176	5.46 (6.81)

Report Date: 03-Apr-2013 14:23:43 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\BFB14385.D\8260_14.rslt\spectra.d
Injection Date: 02-Apr-2013 14:12:30
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	2367	69.00	22544	106.00	860	143.00	2373
37.00	13110	70.00	1550	107.00	230	144.00	72
38.00	11523	72.00	1124	110.00	165	145.00	251
39.00	4378	73.00	9223	111.00	154	146.00	364
40.00	208	74.00	37024	112.00	111	147.00	107
44.00	1789	75.00	111688	113.00	199	148.00	475
45.00	2397	76.00	9149	115.00	242	149.00	151
46.00	138	77.00	1267	116.00	815	150.00	252
47.00	3552	78.00	786	117.00	1417	152.00	66
48.00	1402	79.00	5178	118.00	941	153.00	219
49.00	11182	80.00	1684	119.00	1068	154.00	159
50.00	51528	81.00	5333	124.00	64	155.00	679
51.00	15702	82.00	1232	125.00	111	156.00	53
52.00	674	83.00	177	126.00	104	157.00	390
55.00	639	86.00	62	127.00	51	159.00	326
56.00	3640	87.00	8811	128.00	868	161.00	326
57.00	6845	88.00	8742	129.00	457	171.00	51
58.00	257	91.00	826	130.00	804	172.00	213
60.00	2210	92.00	6345	131.00	310	174.00	200640
61.00	11085	93.00	9514	134.00	52	175.00	14384
62.00	10410	94.00	26336	135.00	480	176.00	191104
63.00	7881	95.00	238272	136.00	65	177.00	13006
64.00	800	96.00	15754	137.00	500	178.00	476
65.00	142	97.00	478	140.00	104	207.00	19
67.00	554	104.00	1012	141.00	2254		
68.00	21736	105.00	441	142.00	242		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\BFB14386.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	03-Apr-2013 10:21:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018501-001 =240-0018501-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	80388	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m		
Last Update:	04-Apr-2013 10:47:52	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:	XAWRK029		
First Level Reviewer: macenczaks		Date:	03-Apr-2013 11:23:27

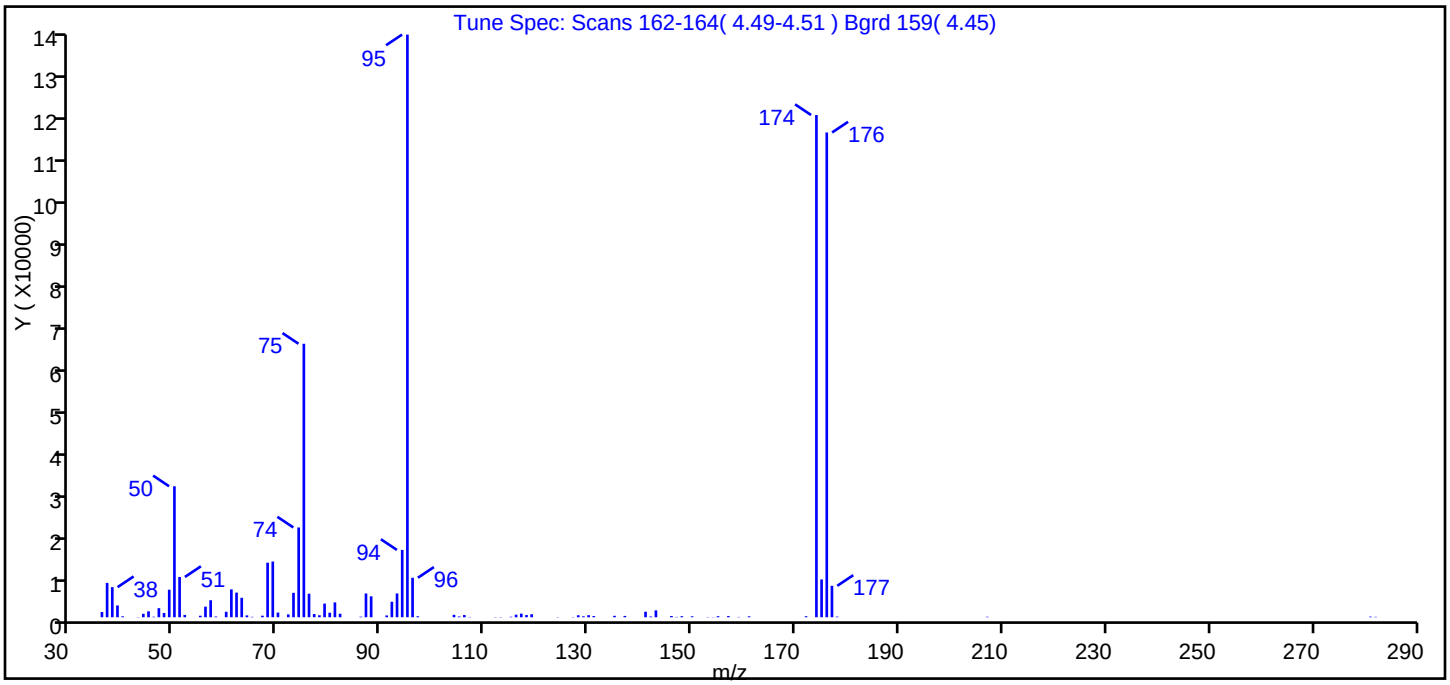
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	300326	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130403-18501.b\BFB14386.D		
Injection Date:	03-Apr-2013 10:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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	22.48
75	30.00 - 60.00% of mass 95	46.94
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.20
175	5.00 - 9.00% of mass 174	6.49 (7.53)
176	95.00 - 101.00% of mass 174	83.20 (96.53)
177	5.00 - 9.00% of mass 176	5.40 (6.49)

Report Date: 04-Apr-2013 10:47:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\BFB14386.D\8260_14.rslt\spectra.d
Injection Date: 03-Apr-2013 10:21:30
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	1197	64.00	430	94.00	15378	141.00	1267
37.00	7840	65.00	104	95.00	133056	142.00	172
38.00	6881	67.00	352	96.00	9020	143.00	1572
39.00	2696	68.00	12456	97.00	225	146.00	292
40.00	219	69.00	12720	104.00	551	147.00	78
43.00	54	70.00	1067	105.00	170	148.00	241
44.00	789	72.00	649	106.00	500	150.00	212
45.00	1356	73.00	5581	107.00	63	153.00	63
46.00	121	74.00	20504	112.00	59	154.00	51
47.00	2073	75.00	62456	113.00	57	155.00	247
48.00	971	76.00	5375	115.00	123	157.00	271
49.00	6284	77.00	741	116.00	582	159.00	75
50.00	29912	78.00	455	117.00	827	161.00	213
51.00	9202	79.00	3114	118.00	505	172.00	233
52.00	528	80.00	1036	119.00	695	174.00	114688
55.00	345	81.00	3395	124.00	55	175.00	8641
56.00	2420	82.00	797	127.00	54	176.00	110704
57.00	3884	86.00	134	128.00	462	177.00	7181
58.00	166	87.00	5426	129.00	219	178.00	142
60.00	1258	88.00	4777	130.00	476	207.00	114
61.00	6365	91.00	415	131.00	275	281.00	144
62.00	5628	92.00	3540	135.00	328	282.00	92
63.00	4445	93.00	5441	137.00	305		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80302/7

Matrix: Solid | Lab File ID: 141707.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/02/2013 16:21

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.: 80302 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
67-64-1	Acetone	6.3	U	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	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
591-78-6	2-Hexanone	1.0	U	20	1.0	0.63
75-09-2	Methylene Chloride	4.91	J	5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80302/7

Matrix: Solid Lab File ID: 141707.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/02/2013 16:21

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.: 80302 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130
2037-26-5	Toluene-d8 (Surr)	98		85-115
460-00-4	4-Bromofluorobenzene (Surr)	97		85-120
1868-53-7	Dibromofluoromethane (Surr)	90		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141707.D
Lims ID: MB Client ID:
Inject. Date: 02-Apr-2013 16:21:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0018475-007 =240-0018475-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 80302 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:23:45 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 16:55:40

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	1173521	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	784575	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	351562	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	72	279898	44.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	350903	51.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1172445	49.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	371925	48.6	
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		2.222					
17 Dichlorofluoromethane	67		2.495					
18 Trichlorofluoromethane	101		2.542					
19 Ethyl ether	59	2.921	2.921	0.0	59	672	0.1270	
25 Methylal	45	2.932	2.932	0.0	65	2758	0	
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	3.323	3.311	0.012	90	17369	5.06	
24 Iodomethane	142		3.394					
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	3.843	3.820	0.023	57	2110	0.5260	
30 Methylene Chloride	84	3.950	3.950	0.0	95	31079	4.91	
31 2-Methyl-2-propanol	59		4.258					9
32 Acrylonitrile	53	4.376	4.364	0.012	70	901	0.4661	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.412					
35 Hexane	86		4.802					
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		5.749					
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128		5.974					
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42		6.033					9
49 Chloroform	83		6.080					9
50 1,1,1-Trichloroethane	97		6.258					
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		7.275					
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					19
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		8.293					9
72 Toluene	91	8.458	8.458	0.0	51	2897	0.1096	
73 trans-1,3-Dichloropropene	75		8.648					9
74 Ethyl methacrylate	69		8.731					9
75 1,1,2-Trichloroethane	97		8.802					
77 Tetrachloroethene	164		8.932					9
76 1,3-Dichloropropane	76		8.944					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
78 2-Hexanone	43		9.015					9
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107	9.251	9.239	0.012	35	410	0.1047	
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		9.748					9
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	75	1967	0.1802	
85 o-Xylene	106	10.186	10.186	0.0	45	1109	0.1074	
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					
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	10.920	0.0	27	537	0.0844	7
96 1,3,5-Trimethylbenzene	105		10.991					9
104 4-Chlorotoluene	126		11.014					9
97 tert-Butylbenzene	119		11.263					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	51	2764	0.2243	
101 4-Isopropyltoluene	119		11.570					
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	15	3216	0.2593	
103 1,2,3-Trimethylbenzene	105		11.665					9
105 n-Butylbenzene	91	11.914	11.914	0.0	59	2841	0.1391	
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	13.274	13.274	0.0	62	3243	0.4560	
110 Hexachlorobutadiene	225		13.405					9
111 Naphthalene	128	13.475	13.476	-0.001	76	9180	0.6618	
112 1,2,3-Trichlorobenzene	180		13.665					
113 2-Methylnaphthalene	142	14.339	14.339	0.0	28	3248	0.3834	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1467121	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1785416	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		0.2876	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

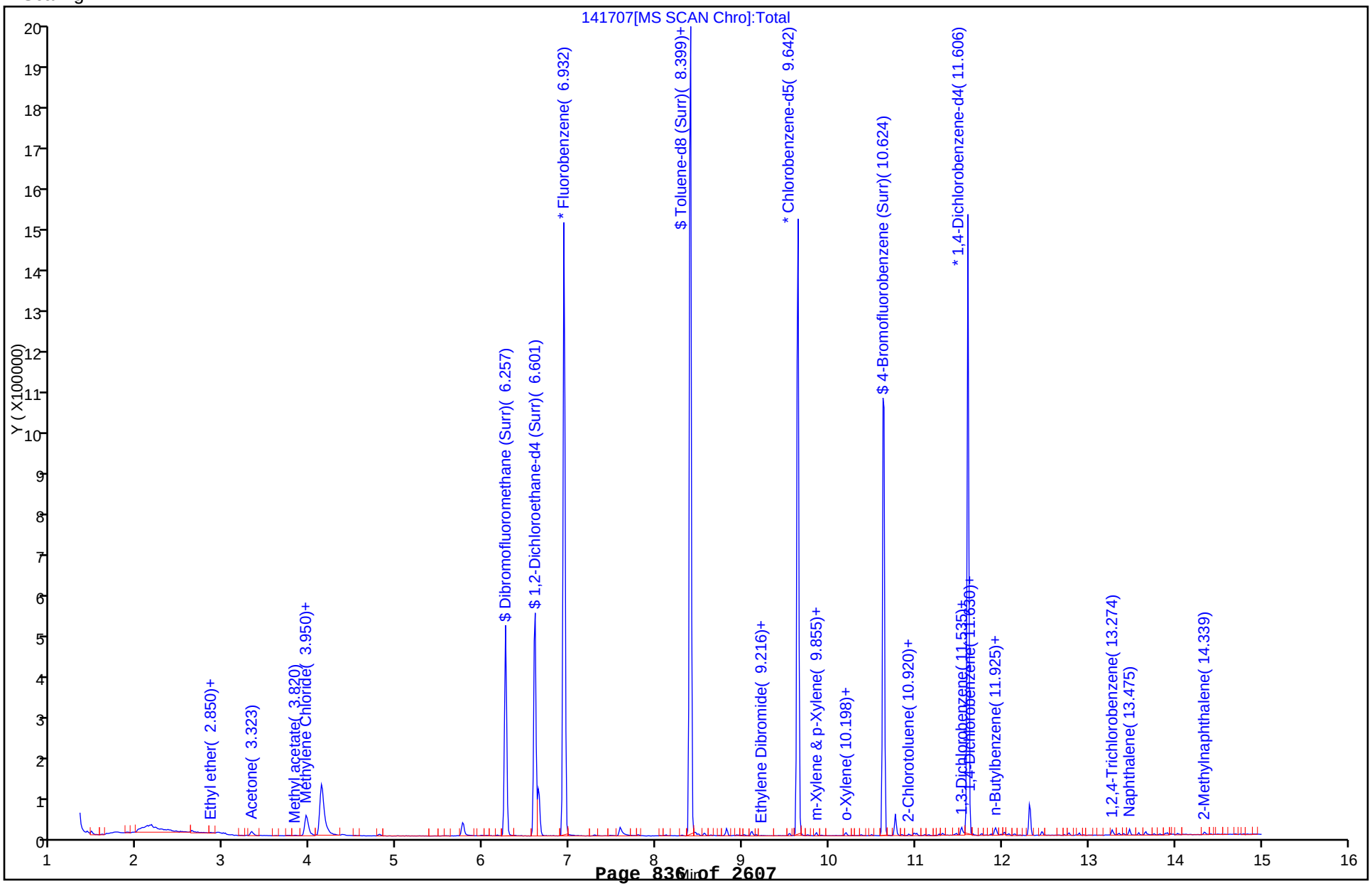
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141707.D

Injection Date:	02-Apr-2013 16:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



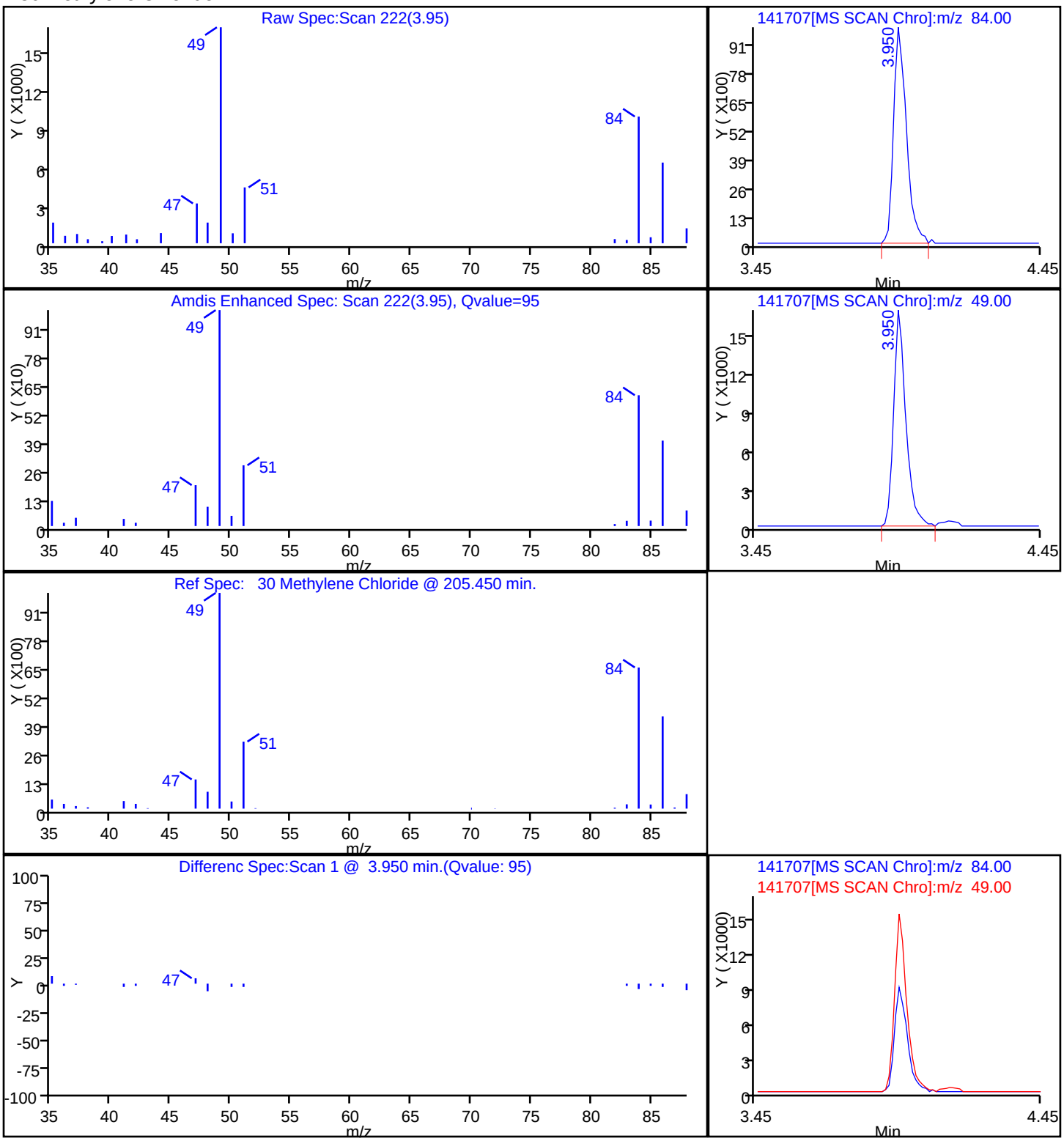
Report Date: 03-Apr-2013 14:23:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141707.D

Injection Date:	02-Apr-2013 16:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80388/7

Matrix: Solid | Lab File ID: 141738.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/03/2013 12:29

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.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
67-64-1	Acetone	6.3	U	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	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
591-78-6	2-Hexanone	0.639	J	20	1.0	0.63
75-09-2	Methylene Chloride	3.14	J	5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80388/7

Matrix: Solid Lab File ID: 141738.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/03/2013 12:29

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.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
2037-26-5	Toluene-d8 (Surr)	94		85-115
460-00-4	4-Bromofluorobenzene (Surr)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	87		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141738.D
Lims ID: MB Client ID:
Inject. Date: 03-Apr-2013 12:29:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0018501-007 =240-0018501-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 80388 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 12:48:20

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	1106406	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	93	724665	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	325700	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	67	256971	43.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	312370	48.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1037417	46.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	327560	45.9	
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		1.453					9
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.773					
15 Bromomethane	94		2.116					9
16 Chloroethane	64		2.234					
17 Dichlorofluoromethane	67		2.495					
18 Trichlorofluoromethane	101		2.542					
25 Methylal	45		2.932					9
19 Ethyl ether	59	2.933	2.932	0.001	65	1170	0.2345	
20 Acrolein	56	3.086	3.086	0.0	55	851	1.21	
21 1,1-Dichloroethene	96		3.205					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.252					
22 Acetone	43	3.311	3.311	0.0	94	14477	3.71	
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	3.749	3.725	0.024	87	1896	3.20	
29 3-Chloro-1-propene	76		3.761					
28 Methyl acetate	43		3.832					9
30 Methylene Chloride	84	3.950	3.950	0.0	93	18720	3.14	
31 2-Methyl-2-propanol	59		4.258					9
32 Acrylonitrile	53		4.364					
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.412					
35 Hexane	86	4.802	4.802	0.0	76	269	0.1684	
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					
41 2-Butanone (MEK)	43		5.749					9
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					9
49 Chloroform	83		6.092					9
50 1,1,1-Trichloroethane	97		6.257					
51 Cyclohexane	56		6.317					9
53 Carbon tetrachloride	117		6.435					
52 1,1-Dichloropropene	75		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		7.275					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					
64 Methyl methacrylate	41		7.618					
66 1,4-Dioxane	88		7.630					19
67 Dichlorobromomethane	83		7.760					
68 2-Nitropropane	41		7.961					
69 2-Chloroethyl vinyl ether	63		8.032					
70 cis-1,3-Dichloropropene	75		8.163					
71 4-Methyl-2-pentanone (MIBK)	43		8.293					9
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		8.802					9
77 Tetrachloroethene	164		8.932					
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	9.015	9.015	0.0	53	1864	0.6386	
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
81 1-Chlorohexane	91	9.642	9.594	0.048	14	1644	0	
82 Chlorobenzene	112		9.665					9
83 1,1,1,2-Tetrachloroethane	131		9.736					
84 Ethylbenzene	106		9.748					9
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	53	1335	0.1324	
85 o-Xylene	106		10.186					9
86 Styrene	104		10.198					9
87 Bromoform	173		10.363					
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					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	2	2123	0.1860	
101 4-Isopropyltoluene	119		11.570					9
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	47	3491	0.3038	
103 1,2,3-Trimethylbenzene	105		11.665					9
105 n-Butylbenzene	91		11.914					
106 1,2-Dichlorobenzene	146		11.949					9
107 1,2-Dibromo-3-Chloropropane	157		12.600					
108 1,3,5-Trichlorobenzene	180		12.777					9
109 1,2,4-Trichlorobenzene	180	13.275	13.274	0.001	54	2775	0.4211	
110 Hexachlorobutadiene	225		13.405					9
111 Naphthalene	128	13.476	13.476	0.0	81	8367	0.6511	
112 1,2,3-Trichlorobenzene	180		13.665					
113 2-Methylnaphthalene	142	14.340	14.339	0.001	27	2154	0.2745	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1076504	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1304403	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		0.1324	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

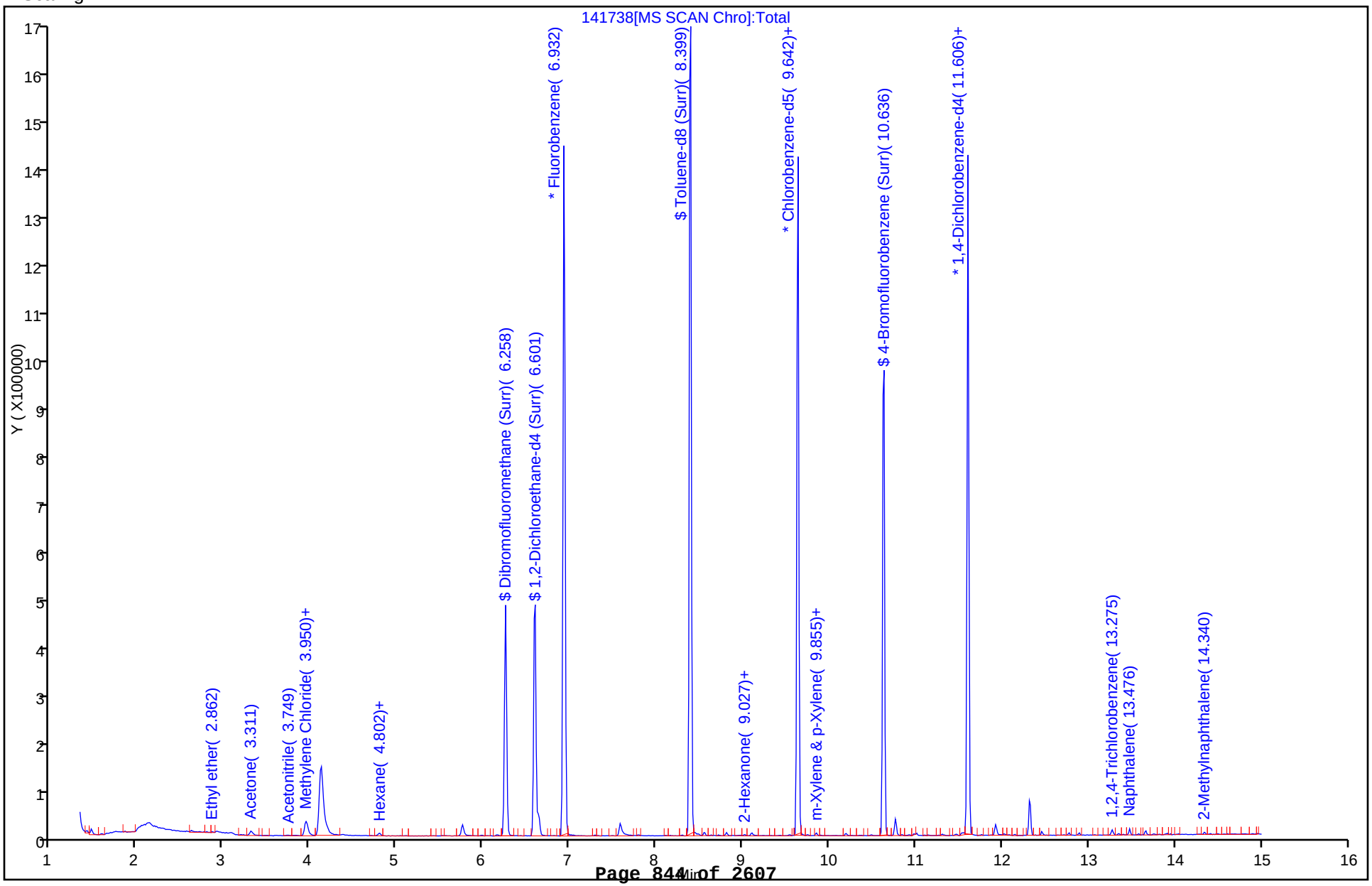
Report Date: 04-Apr-2013 10:47:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141738.D

Injection Date:	03-Apr-2013 12:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



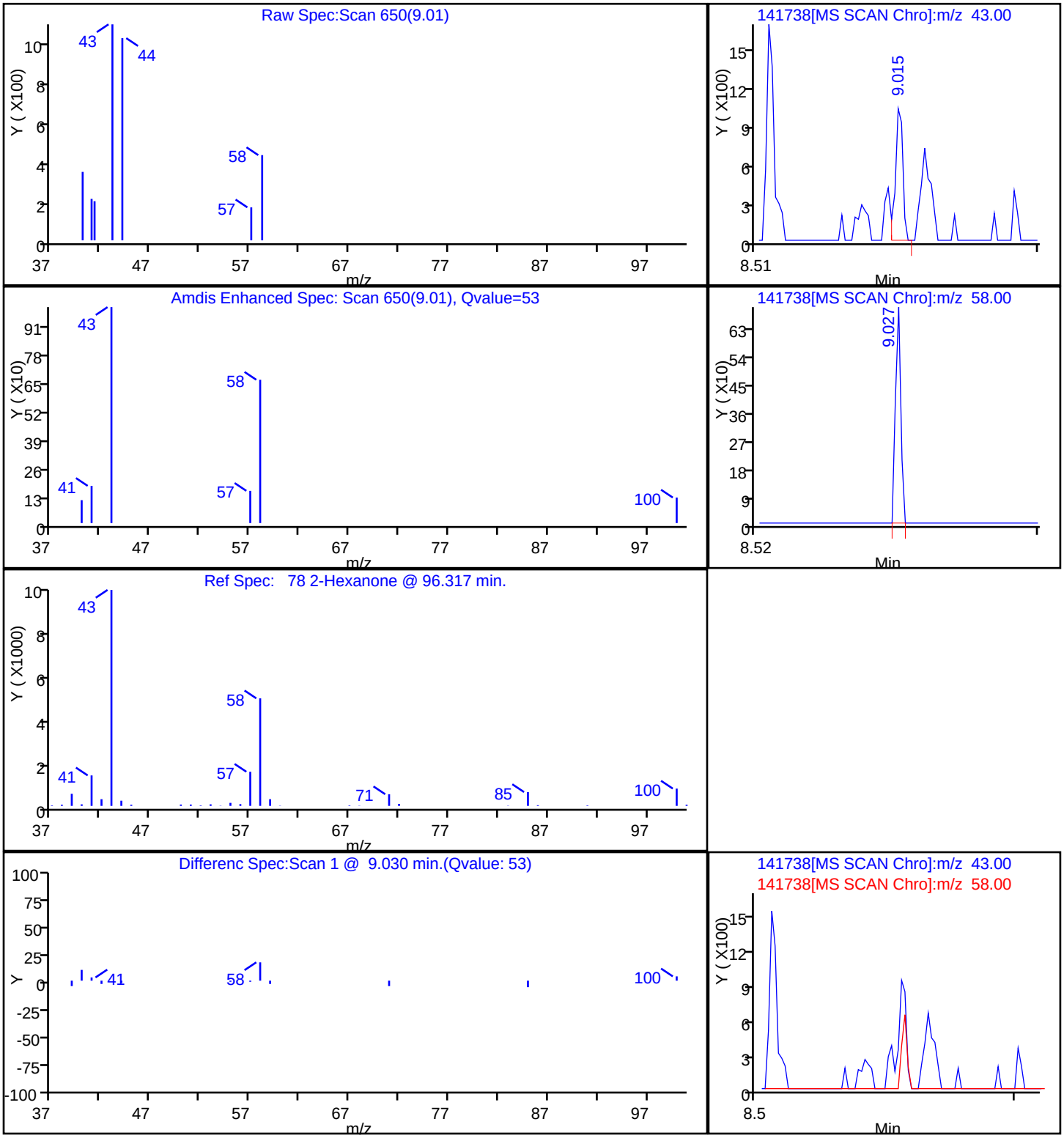
Report Date: 04-Apr-2013 10:47:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141738.D

Injection Date:	03-Apr-2013 12:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



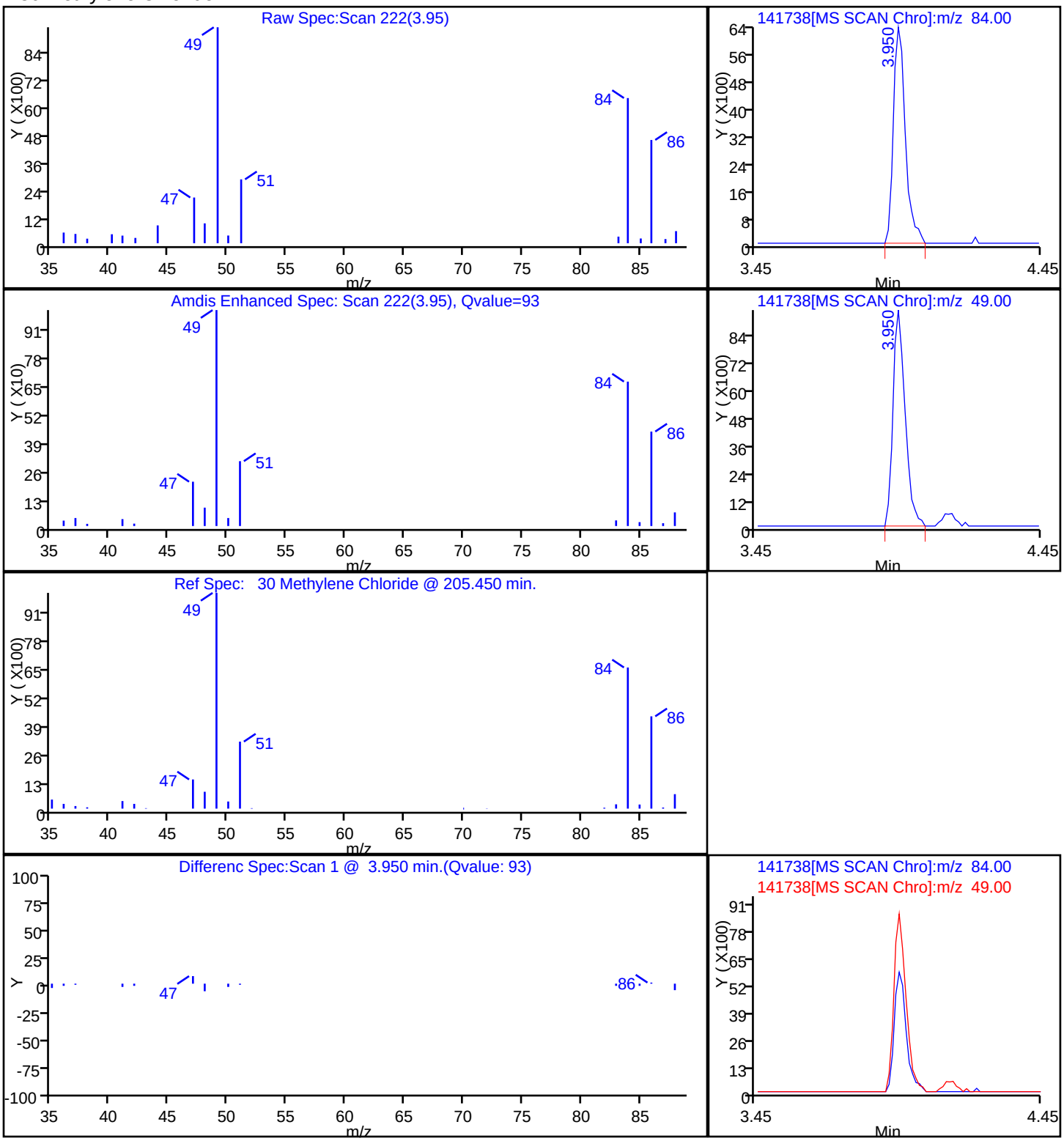
Report Date: 04-Apr-2013 10:47:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141738.D

Injection Date:	03-Apr-2013 12:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

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.: 240-22488-1

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

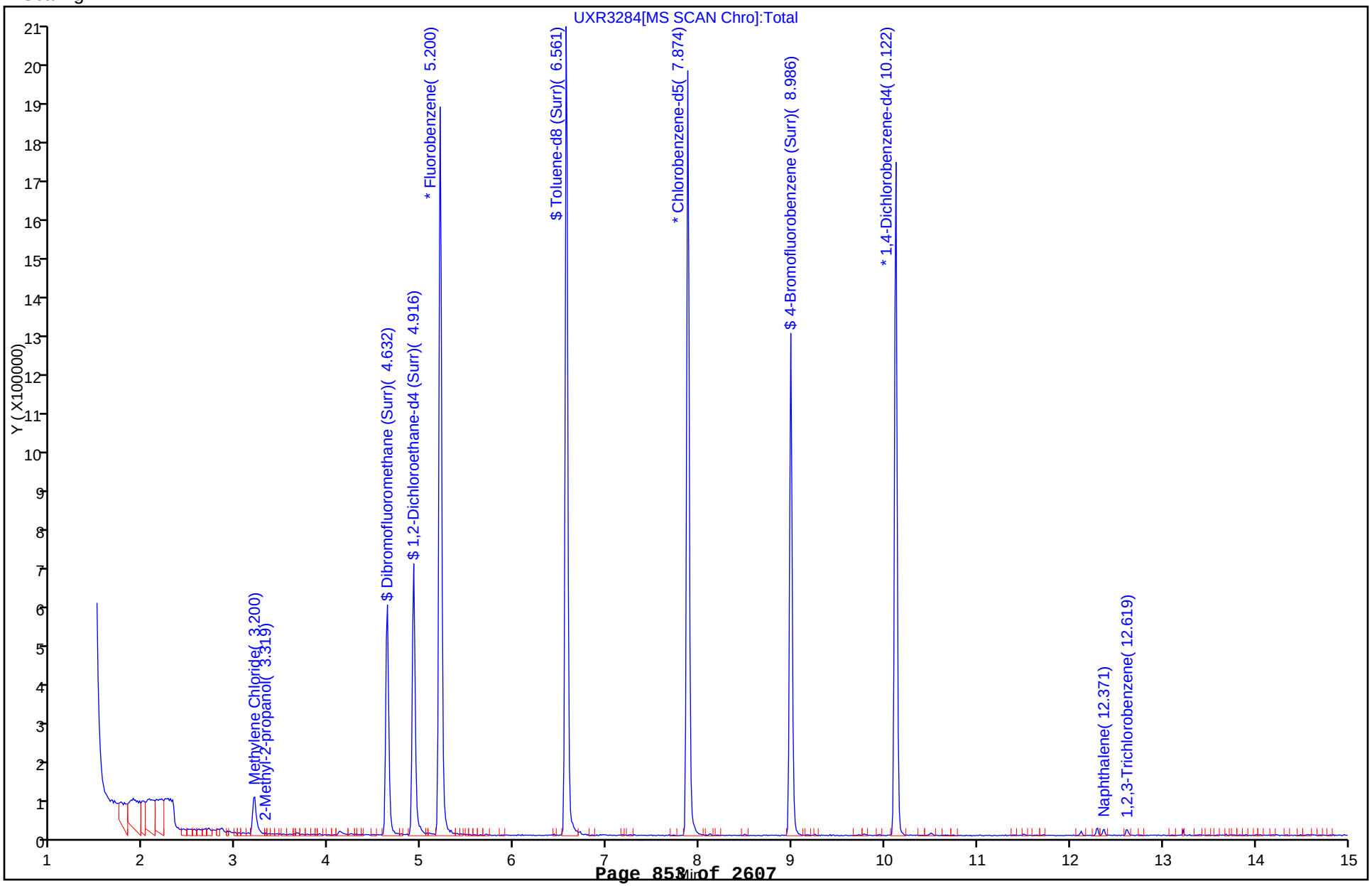
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80302/6

Matrix: Solid | Lab File ID: 141706.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/02/2013 16:00

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.: 80302 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	99.1		20	2.0	1.4
67-64-1	Acetone	110		20	6.3	6.3
71-43-2	Benzene	45.2		5.0	0.50	0.23
75-25-2	Bromoform	40.0		5.0	0.50	0.33
74-83-9	Bromomethane	43.5		5.0	1.0	0.54
75-15-0	Carbon disulfide	41.6		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	46.0		5.0	0.50	0.37
75-34-3	1,1-Dichloroethane	45.1		5.0	0.50	0.36
108-90-7	Chlorobenzene	43.1		5.0	0.50	0.33
107-06-2	1,2-Dichloroethane	45.4		5.0	0.50	0.34
74-87-3	Chloromethane	43.2		5.0	0.50	0.41
75-35-4	1,1-Dichloroethene	48.5		5.0	1.0	0.52
10061-01-5	cis-1,3-Dichloropropene	40.0		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	93.3		10	1.0	0.77
124-48-1	Dibromochloromethane	38.8		5.0	1.0	0.55
78-87-5	1,2-Dichloropropane	45.5		5.0	1.0	0.69
75-27-4	Bromodichloromethane	38.4		5.0	0.50	0.28
100-41-4	Ethylbenzene	44.6		5.0	0.50	0.26
591-78-6	2-Hexanone	93.4		20	1.0	0.63
75-09-2	Methylene Chloride	47.1		5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	96.2		20	1.0	0.54
100-42-5	Styrene	45.2		5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	48.8		5.0	0.50	0.34
127-18-4	Tetrachloroethene	45.2		5.0	1.0	0.52
108-88-3	Toluene	44.4		5.0	0.50	0.27
67-66-3	Chloroform	46.0		5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	40.7		5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	46.8		5.0	1.0	0.56
74-97-5	Bromochloromethane	46.8		5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	46.2		5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	47.1		5.0	1.0	0.50
79-01-6	Trichloroethene	43.3		5.0	0.50	0.42
75-01-4	Vinyl chloride	45.0		5.0	0.50	0.39
75-00-3	Chloroethane	46.7		5.0	1.0	0.86
1330-20-7	Xylenes, Total	132		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80302/6

Matrix: Solid Lab File ID: 141706.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/02/2013 16:00

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.: 80302 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-130
2037-26-5	Toluene-d8 (Surr)	86		85-115
460-00-4	4-Bromofluorobenzene (Surr)	85		85-120
1868-53-7	Dibromofluoromethane (Surr)	87		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141706.D
Lims ID: LCS Client ID:
Inject. Date: 02-Apr-2013 16:00:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0018475-006 =240-0018475-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 80302 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:23:45 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 16:21:26

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1177838	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	795972	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	356899	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	80	273222	43.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	99	309146	44.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1050941	42.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	334512	42.4	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	281572	41.9	
13 Chloromethane	50	1.643	1.643	0.0	100	375301	43.2	
14 Vinyl chloride	62	1.773	1.761	0.012	99	315436	45.0	
15 Bromomethane	94	2.116	2.104	0.012	90	99820	43.5	
16 Chloroethane	64	2.222	2.222	0.0	97	151988	46.7	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	419269	46.9	
20 Acrolein	56	3.086	3.086	0.0	96	419289	559.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	96	261886	48.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	66	225415	47.5	
22 Acetone	43	3.323	3.311	0.012	99	174651	110.5	
24 Iodomethane	142	3.406	3.394	0.012	98	418147	47.5	
26 Carbon disulfide	76	3.477	3.477	0.0	100	654260	41.6	
27 Acetonitrile	41	3.725	3.725	0.0	99	279994	443.5	
28 Methyl acetate	43	3.832	3.820	0.012	97	391168	97.2	
30 Methylene Chloride	84	3.962	3.950	0.012	99	299361	47.1	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	91	358858	894.5	
32 Acrylonitrile	53	4.364	4.364	0.0	98	189997	97.9	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	295977	47.6	
34 Methyl tert-butyl ether	73	4.423	4.412	0.011	93	652869	46.5	
35 Hexane	86	4.802	4.802	0.0	95	81295	47.8	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	524663	45.1	
37 Vinyl acetate	86	5.098	5.098	0.0	97	45222	49.5	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	246469	45.0	

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	306386	45.7	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	237438	99.1	
47 Chlorobromomethane	128	5.973	5.974	-0.001	97	140525	46.8	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	78909	48.2	
49 Chloroform	83	6.092	6.080	0.012	96	463257	46.0	
50 1,1,1-Trichloroethane	97	6.257	6.258	-0.001	94	366319	46.8	
51 Cyclohexane	56	6.317	6.317	0.0	94	592381	50.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	404487	50.2	
53 Carbon tetrachloride	117	6.435	6.435	0.0	74	348146	46.0	
55 Benzene	78	6.648	6.648	0.0	98	1129686	45.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	365101	45.4	
60 Trichloroethene	130	7.287	7.287	0.0	96	316515	43.3	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	541210	50.9	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	283822	45.5	
65 Dibromomethane	93	7.606	7.606	0.0	91	138931	47.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	101982	2281.0	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	271748	38.4	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	217096	91.5	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	344311	40.0	
71 4-Methyl-2-pentanone (MIBK)	43	8.293	8.293	0.0	98	464958	96.2	
72 Toluene	91	8.458	8.458	0.0	97	1189778	44.4	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	270928	40.7	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	265560	49.8	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	94	190268	46.2	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	249674	45.2	
76 1,3-Dichloropropane	76	8.944	8.944	0.0	98	329844	44.8	
78 2-Hexanone	43	9.015	9.015	0.0	99	299506	93.4	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	179036	38.8	
123 Ethylene Dibromide	107	9.239	9.239	0.0	98	187106	47.1	
82 Chlorobenzene	112	9.665	9.665	0.0	94	716054	43.1	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	87	238007	44.6	
84 Ethylbenzene	106	9.748	9.748	0.0	99	400381	44.6	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	968498	87.4	
85 o-Xylene	106	10.186	10.186	0.0	94	463898	44.3	
86 Styrene	104	10.198	10.198	0.0	91	728513	45.2	
87 Bromoform	173	10.364	10.364	0.0	98	88516	40.0	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	1248137	45.1	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	203600	48.8	
91 Bromobenzene	156	10.766	10.766	0.0	89	277183	43.8	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.790	-0.001	77	61867	45.8	
92 1,2,3-Trichloropropane	110	10.789	10.790	-0.001	79	65739	46.4	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	340023	45.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	286336	44.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	986620	45.8	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	289139	44.0	
97 tert-Butylbenzene	119	11.263	11.263	0.0	91	905675	44.6	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	939140	42.9	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1248354	44.7	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	521415	41.7	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1024416	42.7	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	96	518171	41.2	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	896408	43.2	

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	98	467739	40.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	81	23755	40.8	
108 1,3,5-Trichlorobenzene	180	12.777	12.778	-0.001	98	313364	37.4	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	244345	33.8	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	97	127289	34.9	
111 Naphthalene	128	13.476	13.476	0.0	97	476297	33.8	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	181893	34.7	
S 11 1,2-Dichloroethene, Total	96				0		93.3	
S 114 Xylenes, Total	106				0		131.7	

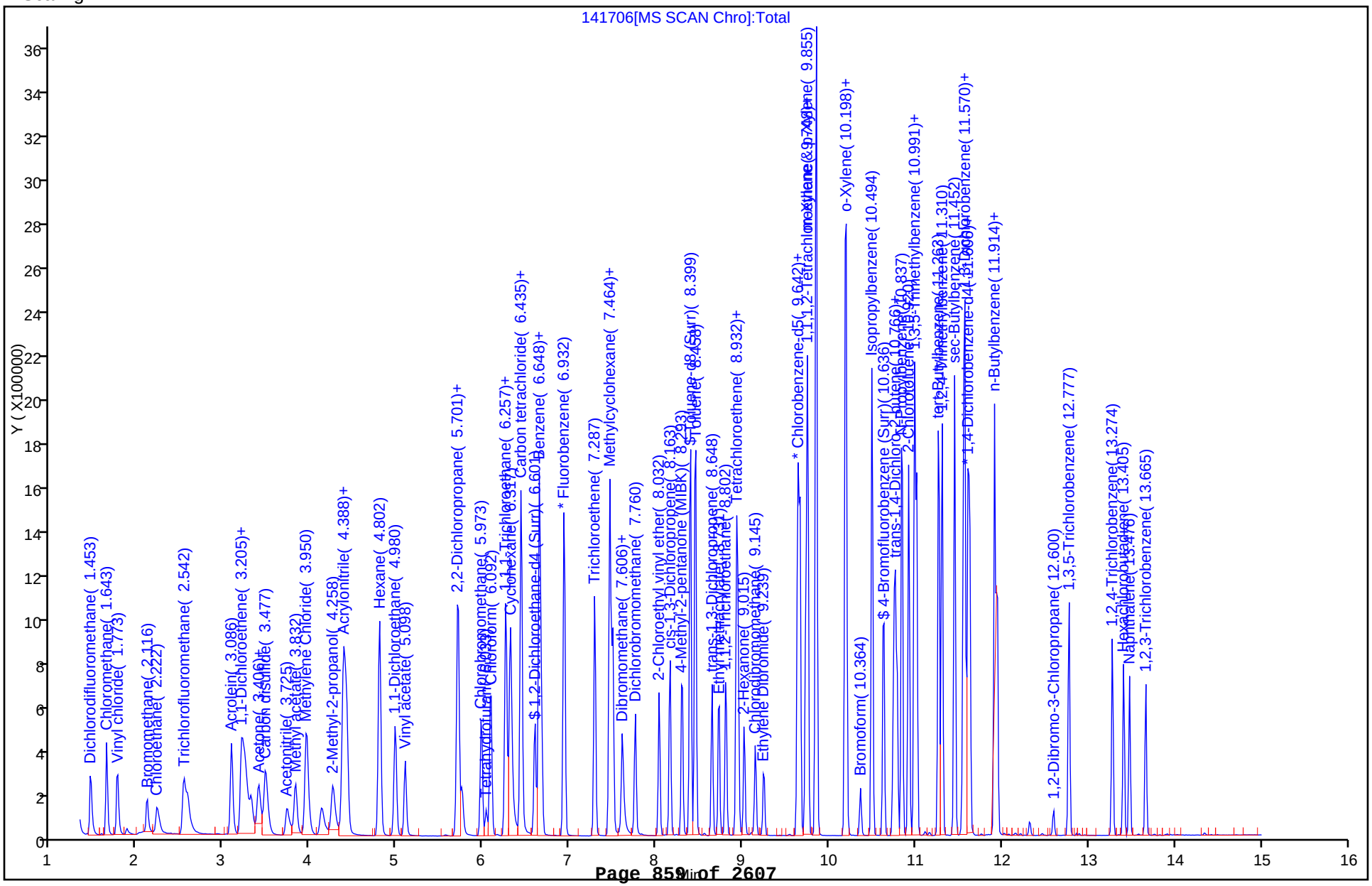
Report Date: 03-Apr-2013 14:23:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141706.D

Injection Date:	02-Apr-2013 16:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80388/6

Matrix: Solid | Lab File ID: 141737.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/03/2013 12:08

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.: 80388 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	101		20	2.0	1.4
67-64-1	Acetone	109		20	6.3	6.3
71-43-2	Benzene	51.3		5.0	0.50	0.23
75-25-2	Bromoform	44.2		5.0	0.50	0.33
74-83-9	Bromomethane	51.1		5.0	1.0	0.54
75-15-0	Carbon disulfide	45.9		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	52.1		5.0	0.50	0.37
75-34-3	1,1-Dichloroethane	51.6		5.0	0.50	0.36
108-90-7	Chlorobenzene	49.8		5.0	0.50	0.33
107-06-2	1,2-Dichloroethane	51.0		5.0	0.50	0.34
74-87-3	Chloromethane	48.6		5.0	0.50	0.41
75-35-4	1,1-Dichloroethene	54.7		5.0	1.0	0.52
10061-01-5	cis-1,3-Dichloropropene	46.2		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	106		10	1.0	0.77
124-48-1	Dibromochloromethane	44.2		5.0	1.0	0.55
78-87-5	1,2-Dichloropropane	52.1		5.0	1.0	0.69
75-27-4	Bromodichloromethane	44.0		5.0	0.50	0.28
100-41-4	Ethylbenzene	51.3		5.0	0.50	0.26
591-78-6	2-Hexanone	98.0		20	1.0	0.63
75-09-2	Methylene Chloride	51.0		5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	100		20	1.0	0.54
100-42-5	Styrene	52.2		5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	54.4		5.0	0.50	0.34
127-18-4	Tetrachloroethene	52.4		5.0	1.0	0.52
108-88-3	Toluene	50.9		5.0	0.50	0.27
67-66-3	Chloroform	52.7		5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	46.6		5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	53.9		5.0	1.0	0.56
74-97-5	Bromochloromethane	52.0		5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	51.5		5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	53.1		5.0	1.0	0.50
79-01-6	Trichloroethene	49.2		5.0	0.50	0.42
75-01-4	Vinyl chloride	51.1		5.0	0.50	0.39
75-00-3	Chloroethane	56.1		5.0	1.0	0.86
1330-20-7	Xylenes, Total	155		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80388/6

Matrix: Solid Lab File ID: 141737.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/03/2013 12:08

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.: 80388 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130
2037-26-5	Toluene-d8 (Surr)	98		85-115
460-00-4	4-Bromofluorobenzene (Surr)	98		85-120
1868-53-7	Dibromofluoromethane (Surr)	99		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141737.D
Lims ID: LCS Client ID:
Inject. Date: 03-Apr-2013 12:08:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0018501-006 =240-0018501-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 80388 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 12:35:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1119197	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	754822	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	342458	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	84	291797	49.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	324379	49.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1124355	49.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	366765	49.2	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	300195	47.0	
13 Chloromethane	50	1.643	1.643	0.0	100	401096	48.6	
14 Vinyl chloride	62	1.761	1.773	-0.012	99	339955	51.1	
15 Bromomethane	94	2.104	2.116	-0.012	91	111464	51.1	
16 Chloroethane	64	2.222	2.234	-0.012	97	173592	56.1	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	470000	55.3	
20 Acrolein	56	3.086	3.086	0.0	96	410554	576.4	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	281013	54.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.252	-0.012	93	240768	53.3	
22 Acetone	43	3.311	3.311	0.0	98	163383	108.7	
24 Iodomethane	142	3.406	3.406	0.0	98	449707	53.7	
26 Carbon disulfide	76	3.477	3.477	0.0	100	691413	45.9	
27 Acetonitrile	41	3.725	3.725	0.0	99	271969	453.4	
28 Methyl acetate	43	3.832	3.832	0.0	97	383940	100.4	
30 Methylene Chloride	84	3.950	3.950	0.0	99	307634	51.0	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	92	318719	836.1	
32 Acrylonitrile	53	4.364	4.364	0.0	98	185312	100.5	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	318635	53.9	
34 Methyl tert-butyl ether	73	4.411	4.412	-0.001	93	663716	49.7	
35 Hexane	86	4.802	4.802	0.0	96	85517	52.9	
36 1,1-Dichloroethane	63	4.979	4.980	-0.001	97	569861	51.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	42195	48.6	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	267802	51.5	

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	87	329527	51.7	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	230128	101.1	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	148531	52.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	74557	47.9	
49 Chloroform	83	6.092	6.092	0.0	96	504466	52.7	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	96	400872	53.9	
51 Cyclohexane	56	6.317	6.317	0.0	95	632513	56.7	
53 Carbon tetrachloride	117	6.435	6.435	0.0	75	375082	52.1	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	438319	57.2	
55 Benzene	78	6.648	6.648	0.0	98	1217317	51.3	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	389960	51.0	
60 Trichloroethene	130	7.287	7.287	0.0	96	341257	49.2	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	573066	56.7	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	308912	52.1	
65 Dibromomethane	93	7.606	7.606	0.0	90	145537	51.8	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	98291	2313.7	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	297356	44.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	203333	90.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	-0.001	89	379426	46.2	
71 4-Methyl-2-pentanone (MIBK)	43	8.293	8.293	0.0	99	458823	100.1	
72 Toluene	91	8.458	8.458	0.0	97	1295181	50.9	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	295299	46.6	
74 Ethyl methacrylate	69	8.730	8.731	-0.001	92	281433	55.6	
75 1,1,2-Trichloroethane	97	8.801	8.802	-0.001	94	201228	51.5	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	274400	52.4	
76 1,3-Dichloropropane	76	8.943	8.955	-0.012	98	353475	50.6	
78 2-Hexanone	43	9.014	9.015	-0.001	99	298038	98.0	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	195523	44.2	
123 Ethylene Dibromide	107	9.239	9.251	-0.012	98	200208	53.1	
82 Chlorobenzene	112	9.665	9.665	0.0	94	784644	49.8	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	88	259373	51.3	
84 Ethylbenzene	106	9.748	9.748	0.0	99	436540	51.3	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1081414	103.0	
85 o-Xylene	106	10.186	10.186	0.0	95	519353	52.3	
86 Styrene	104	10.198	10.198	0.0	90	797139	52.2	
87 Bromoform	173	10.363	10.363	0.0	97	93795	44.2	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	1404614	53.5	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	217744	54.4	
91 Bromobenzene	156	10.766	10.766	0.0	93	300404	49.5	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	61	65949	50.9	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	74	70980	52.2	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	377285	52.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	322549	52.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1110778	53.7	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	321666	51.0	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	1032425	53.0	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1071487	51.0	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1441322	53.7	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	584288	48.7	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1186527	51.5	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	586803	48.6	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1032403	51.9	

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	535613	48.7	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	81	25414	44.6	
108 1,3,5-Trichlorobenzene	180	12.777	12.777	0.0	97	372913	46.4	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	288284	41.6	
110 Hexachlorobutadiene	225	13.404	13.405	-0.001	98	154887	44.2	
111 Naphthalene	128	13.475	13.476	-0.001	97	551938	40.8	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	215199	42.6	
S 11 1,2-Dichloroethene, Total	96				0		105.6	
S 114 Xylenes, Total	106				0		155.2	

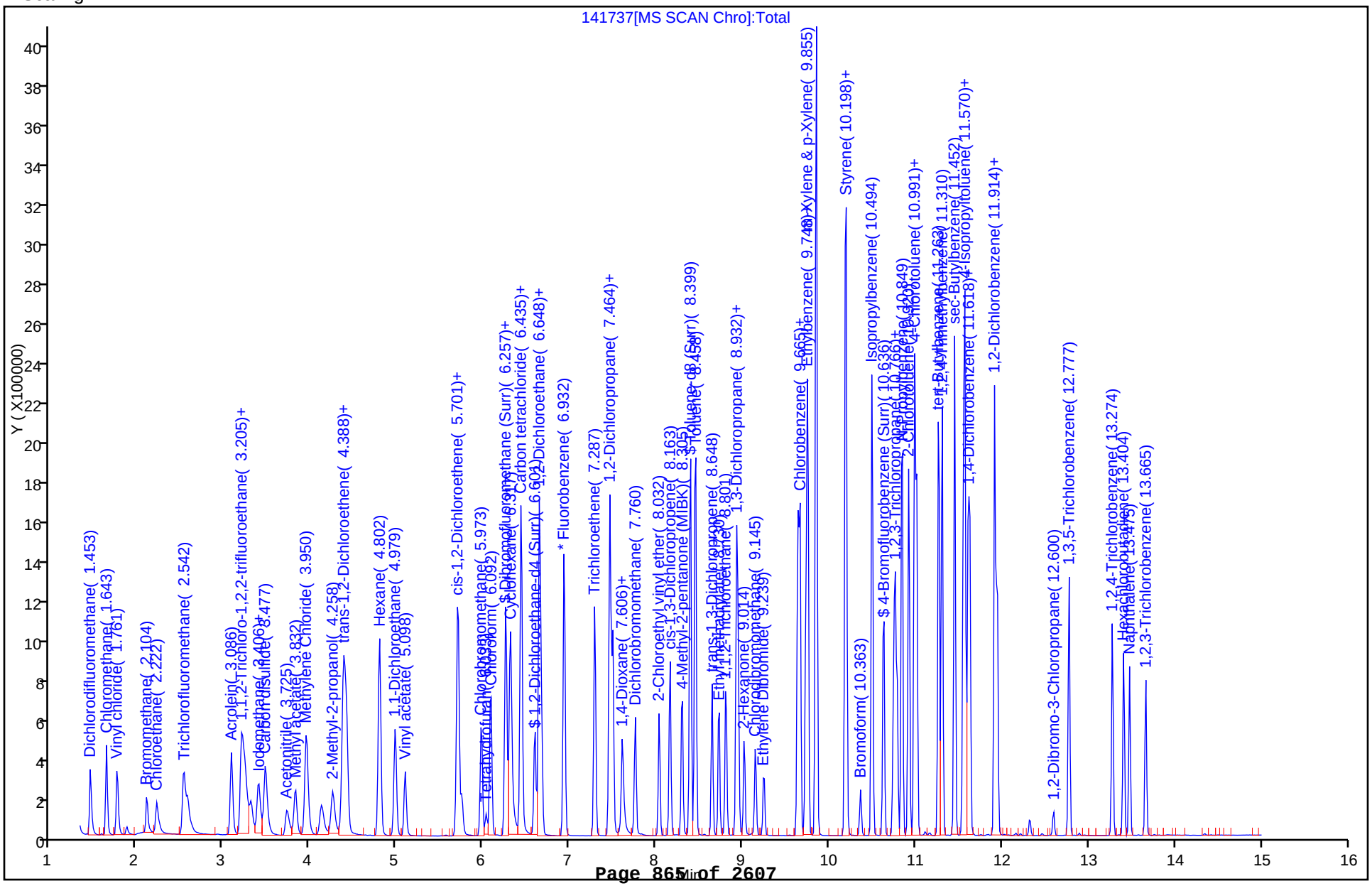
Report Date: 04-Apr-2013 10:47:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141737.D

Injection Date:	03-Apr-2013 12:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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.: 240-22488-1

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.: 240-22488-1

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	

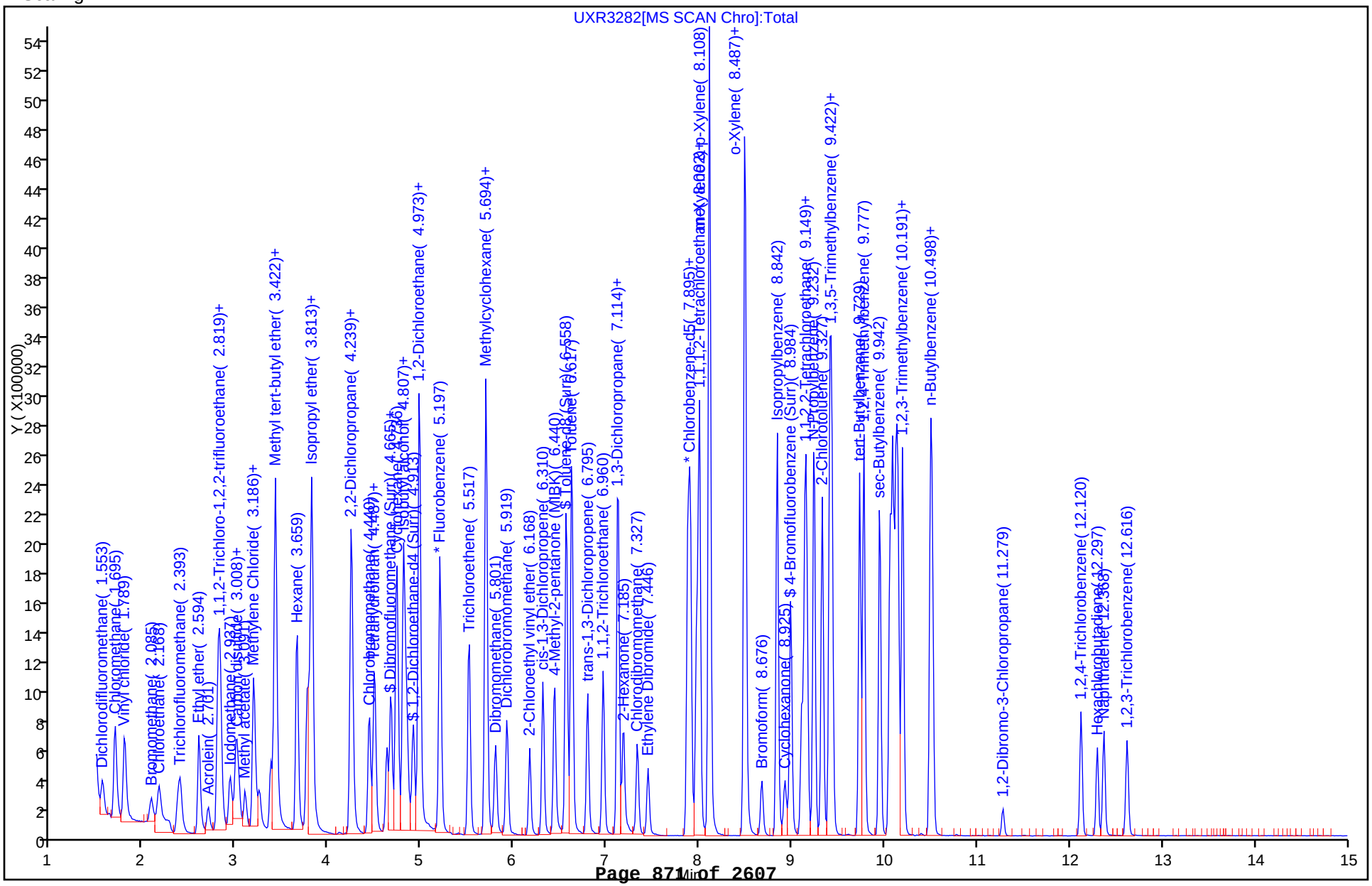
Report Date: 09-Apr-2013 08:43:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80302/5

Matrix: Solid | Lab File ID: 141705.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/02/2013 15:38

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.: 80302 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00833	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.0129		0.010	0.0010	0.0011
71-43-2	Benzene	0.00449		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00535		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00550		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00561		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00357		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00432		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00439		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00457		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00508		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00432		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00382		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.00887		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00576		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00461		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00379		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00465		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00795	J	0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.00939	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00813	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.00411		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00425		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00465		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00461		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00427		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00363		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00407		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00445		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00451		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00422		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00440		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00487		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00507		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.00879		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80302/5

Matrix: Solid Lab File ID: 141705.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/02/2013 15:38

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.: 80302 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		50-150
2037-26-5	Toluene-d8 (Surr)	99		50-150
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
1868-53-7	Dibromofluoromethane (Surr)	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141705.D
Lims ID: QCMRL Client ID:
Inject. Date: 02-Apr-2013 15:38:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018475-005 =240-0018475-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80302 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:23:45 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 16:04:34

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	1254745	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	818251	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	371725	50.0	
$ 4 BFB	95	4.376	4.502	-0.126	0	1338	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	65	304436	45.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	359899	49.3	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1233056	49.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	91	392418	48.5	
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	38561	5.38	
13 Chloromethane	50	1.643	1.643	0.0	100	47000	5.08	
14 Vinyl chloride	62	1.773	1.761	0.012	97	36297	4.87	
15 Bromomethane	94	2.116	2.104	0.012	89	13447	5.50	
16 Chloroethane	64	2.223	2.222	0.0	87	17587	5.07	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	95	51965	5.14	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	97	47969	5.04	
19 Ethyl ether	59	2.921	2.921	0.0	97	24048	4.25	
25 Methylal	45	2.932	2.932	0.0	69	23928	0	
20 Acrolein	56	3.086	3.086	0.0	94	32259	40.4	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	95	24892	4.32	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	86	19878	3.93	
22 Acetone	43	3.311	3.311	0.0	98	30964	12.9	
24 Iodomethane	142	3.406	3.394	0.012	97	39814	4.24	

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	45960	5.61	
27 Acetonitrile	41	3.749	3.725	0.024	71	46651	69.4	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	84	11689	3.44	
28 Methyl acetate	43	3.832	3.820	0.012	97	92171	21.5	
30 Methylene Chloride	84	3.950	3.950	0.0	98	63496	9.39	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	85	17377	40.7	
32 Acrylonitrile	53	4.364	4.364	0.0	98	86043	41.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	29819	4.50	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	90	61589	4.12	
35 Hexane	86	4.802	4.802	0.0	96	8380	4.62	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	96	53520	4.32	
37 Vinyl acetate	86	5.098	5.098	0.0	97	3413	3.51	
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.122					9
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	68	23292	4.00	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	83	31207	4.37	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	83	21264	8.33	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128	5.985	5.974	0.011	96	14245	4.45	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	84	14194	8.14	
49 Chloroform	83	6.092	6.080	0.012	95	45857	4.27	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	89	33887	4.07	
51 Cyclohexane	56	6.317	6.317	0.0	94	56277	4.50	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	38473	4.48	
53 Carbon tetrachloride	117	6.435	6.435	0.0	72	28808	3.57	
54 Isobutyl alcohol	41	6.636	6.636	0.0	70	17565	101.0	
55 Benzene	78	6.648	6.648	0.0	98	119496	4.49	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	88	39135	4.57	
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100	6.944	6.944	0.0	80	9912	4.70	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					
60 Trichloroethene	130	7.287	7.287	0.0	93	34230	4.40	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	52190	4.61	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	89	30693	4.61	
65 Dibromomethane	93	7.606	7.606	0.0	91	13220	4.20	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	62	3518	73.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	94	21996	3.79	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	91	19739	7.81	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	86	26569	3.82	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.293	0.012	98	40390	8.13	
72 Toluene	91	8.458	8.458	0.0	93	127039	4.61	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	96	18456	3.63	
74 Ethyl methacrylate	69	8.731	8.731	0.0	89	20576	3.75	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	94	19113	4.51	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	26396	4.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.944	8.944	0.0	95	33957	4.48	
78 2-Hexanone	43	9.015	9.015	0.0	93	26204	7.95	
132 n-Butyl acetate	43		9.121					
79 Chlorodibromomethane	129	9.145	9.145	0.0	85	12343	5.76	
123 Ethylene Dibromide	107	9.251	9.239	0.012	92	17221	4.22	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.665	9.665	0.0	93	75024	4.39	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	83	19615	3.58	
84 Ethylbenzene	106	9.748	9.748	0.0	98	42927	4.65	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	98	51143	4.49	
85 o-Xylene	106	10.186	10.186	0.0	95	46321	4.30	
86 Styrene	104	10.198	10.198	0.0	88	68047	4.11	
87 Bromoform	173	10.364	10.364	0.0	87	5804	5.35	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	125884	4.43	
89 Cyclohexanone	55	10.577	10.588	-0.011	1	530	3.83	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	18466	4.25	
91 Bromobenzene	156	10.766	10.766	0.0	90	29646	4.50	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	56	5330	3.79	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	71	6835	4.63	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	35928	4.58	
95 2-Chlorotoluene	126	10.920	10.920	0.0	95	31357	4.66	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	100508	4.48	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	30614	4.47	
97 tert-Butylbenzene	119	11.263	11.263	0.0	91	93461	4.42	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	75	101746	4.46	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	132556	4.55	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	58659	4.50	
101 4-Isopropyltoluene	119	11.571	11.570	0.0	74	109711	4.39	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	88	56941	4.34	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	10	2388	0.1097	
105 n-Butylbenzene	91	11.914	11.914	0.0	95	94698	4.39	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	51409	4.30	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	42	2022	3.70	
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	34999	4.65	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	92	18802	4.94	
111 Naphthalene	128	13.476	13.476	0.0	97	61261	4.18	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	29305	4.18	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	83	13577	1.52	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	9091783	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	11032640	0	
S 137 Trihalomethanes, Total	1				0		19.2	
S 11 1,2-Dichloroethene, Total	96				0		8.87	
S 9 1,3-Dichloropropene, Total	75				0		7.45	
S 114 Xylenes, Total	106				0		8.79	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

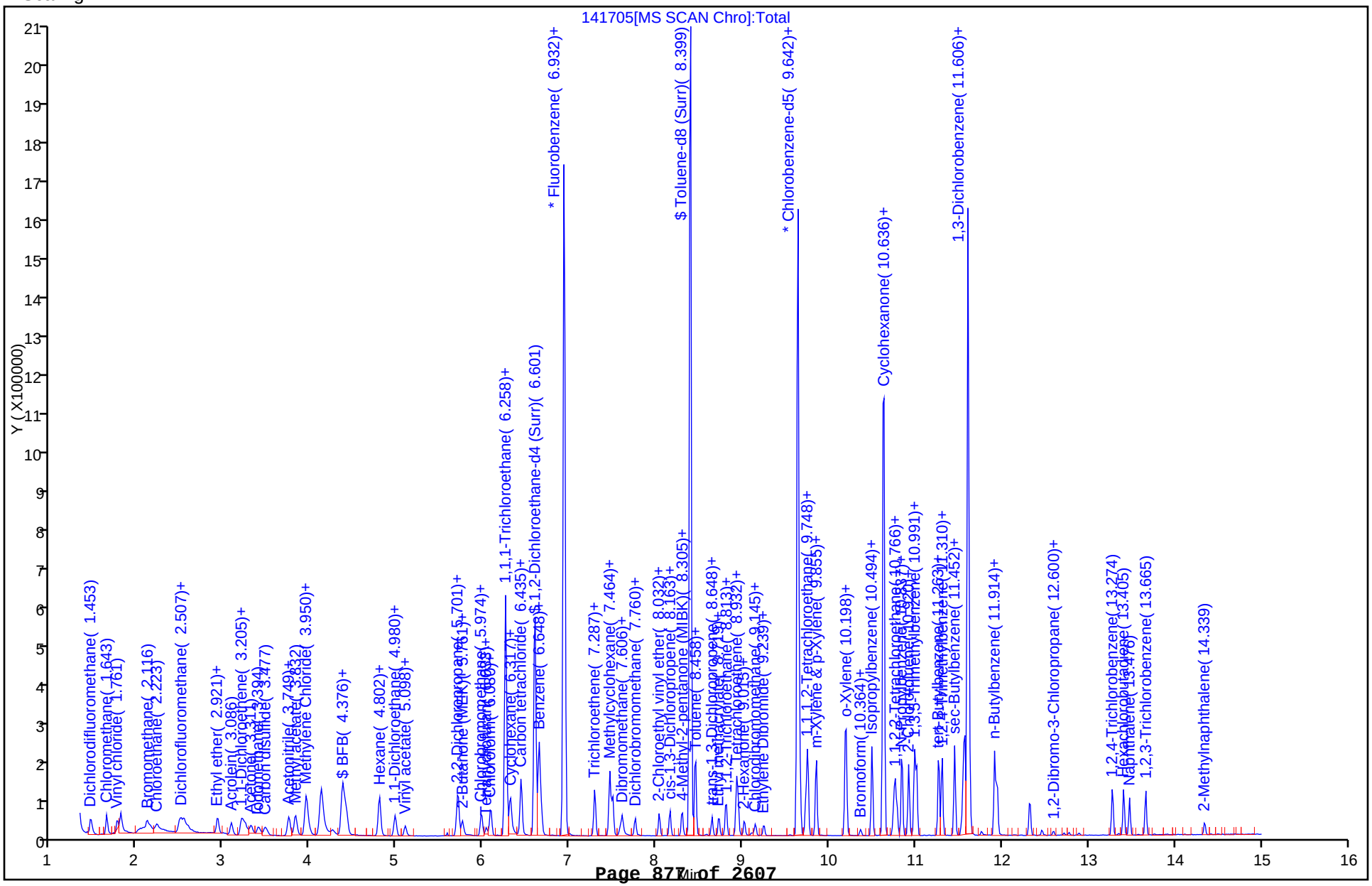
Report Date: 03-Apr-2013 14:23:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141705.D

Injection Date:	02-Apr-2013 15:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80302/31

Matrix: Solid | Lab File ID: 141731.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/03/2013 01:12

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.: 80302 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00984	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.0141	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00560		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00584		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00628		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00597		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00408		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00532		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00547		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00574		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00584		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00542		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00425		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.0107		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00612		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00551		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00432		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00546		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00999	J	0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.00791	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0104		0.010	0.00050	0.00032
100-42-5	Styrene	0.00493		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00597		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00565		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00542		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00530		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00388		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00497		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00518		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00564		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00486		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00549		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00587		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00708	^	0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0106		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80302/31

Matrix: Solid Lab File ID: 141731.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/03/2013 01:12

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.: 80302 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		50-150
2037-26-5	Toluene-d8 (Surr)	98		50-150
460-00-4	4-Bromofluorobenzene (Surr)	92		50-150
1868-53-7	Dibromofluoromethane (Surr)	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141731.D
Lims ID: qcmrl Client ID:
Inject. Date: 03-Apr-2013 01:12:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018475-031 =240-0018475-031
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 30
Lims Batch ID: 80302 Lims Sample ID: 31
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130402-18475.b\8260_14.m
Last Update: 03-Apr-2013 14:23:45 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 09:20:21

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	1054750	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	694380	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	316483	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1842	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	75	255446	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	315646	51.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1032890	48.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	320367	46.2	
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	96	36390	6.05	
13 Chloromethane	50	1.643	1.643	0.0	99	45467	5.84	
14 Vinyl chloride	62	1.761	1.761	0.0	99	36821	5.87	
15 Bromomethane	94	2.104	2.104	0.0	91	12916	6.28	
16 Chloroethane	64	2.223	2.222	0.0	96	20642	7.08	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	93	55893	6.58	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	96	50250	6.28	
19 Ethyl ether	59	2.921	2.921	0.0	97	27811	5.85	
25 Methylal	45	2.921	2.932	-0.011	69	25405	0	
20 Acrolein	56	3.086	3.086	0.0	94	30017	44.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	94	26235	5.42	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	90	22006	5.17	
22 Acetone	43	3.311	3.311	0.0	96	27652	14.1	
24 Iodomethane	142	3.406	3.394	0.012	97	43036	5.46	

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	44041	5.97	
27 Acetonitrile	41	3.749	3.725	0.024	63	41485	73.4	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	79	11340	3.97	
28 Methyl acetate	43	3.820	3.820	0.0	97	99509	27.6	
30 Methylene Chloride	84	3.950	3.950	0.0	98	44962	7.91	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	80	20170	56.1	
32 Acrylonitrile	53	4.364	4.364	0.0	97	91225	52.5	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	28862	5.18	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	91	65792	5.23	
35 Hexane	86	4.802	4.802	0.0	95	7818	5.13	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	55358	5.32	
37 Vinyl acetate	86	5.098	5.098	0.0	97	2774	3.39	
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					9
43 2,2-Dichloropropane	77	5.701	5.701	0.0	76	21875	4.46	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	33300	5.55	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	21104	9.84	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					
47 Chlorobromomethane	128	5.974	5.974	0.0	94	13930	5.18	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	87	14234	9.71	
49 Chloroform	83	6.092	6.080	0.012	96	47841	5.30	
50 1,1,1-Trichloroethane	97	6.258	6.258	0.0	85	34806	4.97	
51 Cyclohexane	56	6.317	6.317	0.0	95	57188	5.44	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	38624	5.35	
53 Carbon tetrachloride	117	6.435	6.435	0.0	82	27701	4.08	
54 Isobutyl alcohol	41	6.636	6.636	0.0	87	22165	151.6	
55 Benzene	78	6.648	6.648	0.0	95	125179	5.60	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	83	41331	5.74	
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100	6.944	6.944	0.0	81	9207	5.19	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					9
60 Trichloroethene	130	7.287	7.287	0.0	96	35890	5.49	
63 Methylcyclohexane	83	7.464	7.464	0.0	95	51540	5.41	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	30826	5.51	
65 Dibromomethane	93	7.606	7.606	0.0	86	13653	5.16	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.642	7.630	0.012	67	3676	91.8	
67 Dichlorobromomethane	83	7.760	7.760	0.0	92	21930	4.32	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	91	17479	8.23	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	84	25777	4.25	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.293	0.012	98	43944	10.4	
72 Toluene	91	8.458	8.458	0.0	93	126866	5.42	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	96	17102	3.88	
74 Ethyl methacrylate	69	8.731	8.731	0.0	88	21616	4.64	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	89	20275	5.64	
77 Tetrachloroethene	164	8.932	8.932	0.0	96	27206	5.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.944	8.944	0.0	95	34544	5.38	
78 2-Hexanone	43	9.015	9.015	0.0	96	27952	10.0	
132 n-Butyl acetate	43		9.121					1
79 Chlorodibromomethane	129	9.145	9.145	0.0	88	12058	6.12	
123 Ethylene Dibromide	107	9.239	9.239	0.0	98	16834	4.86	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	94	79225	5.47	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	84	20170	4.33	
84 Ethylbenzene	106	9.748	9.748	0.0	98	42792	5.46	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	50460	5.22	
85 o-Xylene	106	10.186	10.186	0.0	94	48719	5.33	
86 Styrene	104	10.198	10.198	0.0	91	69279	4.93	
87 Bromoform	173	10.364	10.364	0.0	87	5911	5.84	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	127200	5.27	
89 Cyclohexanone	55		10.588					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	22087	5.97	
91 Bromobenzene	156	10.766	10.766	0.0	91	32442	5.78	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.790	0.0	48	5975	4.99	
92 1,2,3-Trichloropropane	110	10.790	10.790	0.0	72	7789	6.20	
94 N-Propylbenzene	120	10.849	10.849	0.0	96	35592	5.33	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	31369	5.48	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	101918	5.33	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	31685	5.43	
97 tert-Butylbenzene	119	11.275	11.263	0.012	89	97095	5.39	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	102305	5.27	
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	137214	5.54	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	62436	5.63	
101 4-Isopropyltoluene	119	11.571	11.570	0.0	79	112495	5.29	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	91	60033	5.38	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	97	94938	5.16	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	60497	5.95	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	32	2258	4.95	
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	34787	5.43	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	95	19119	5.90	
111 Naphthalene	128	13.476	13.476	0.0	97	69858	5.59	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	33665	6.22	
113 2-Methylnaphthalene	142		14.339					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	8941146	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	10391338	0	
S 137 Trihalomethanes, Total	1				0		21.6	
S 11 1,2-Dichloroethene, Total	96				0		10.7	
S 9 1,3-Dichloropropene, Total	75				0		8.13	
S 114 Xylenes, Total	106				0		10.6	

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

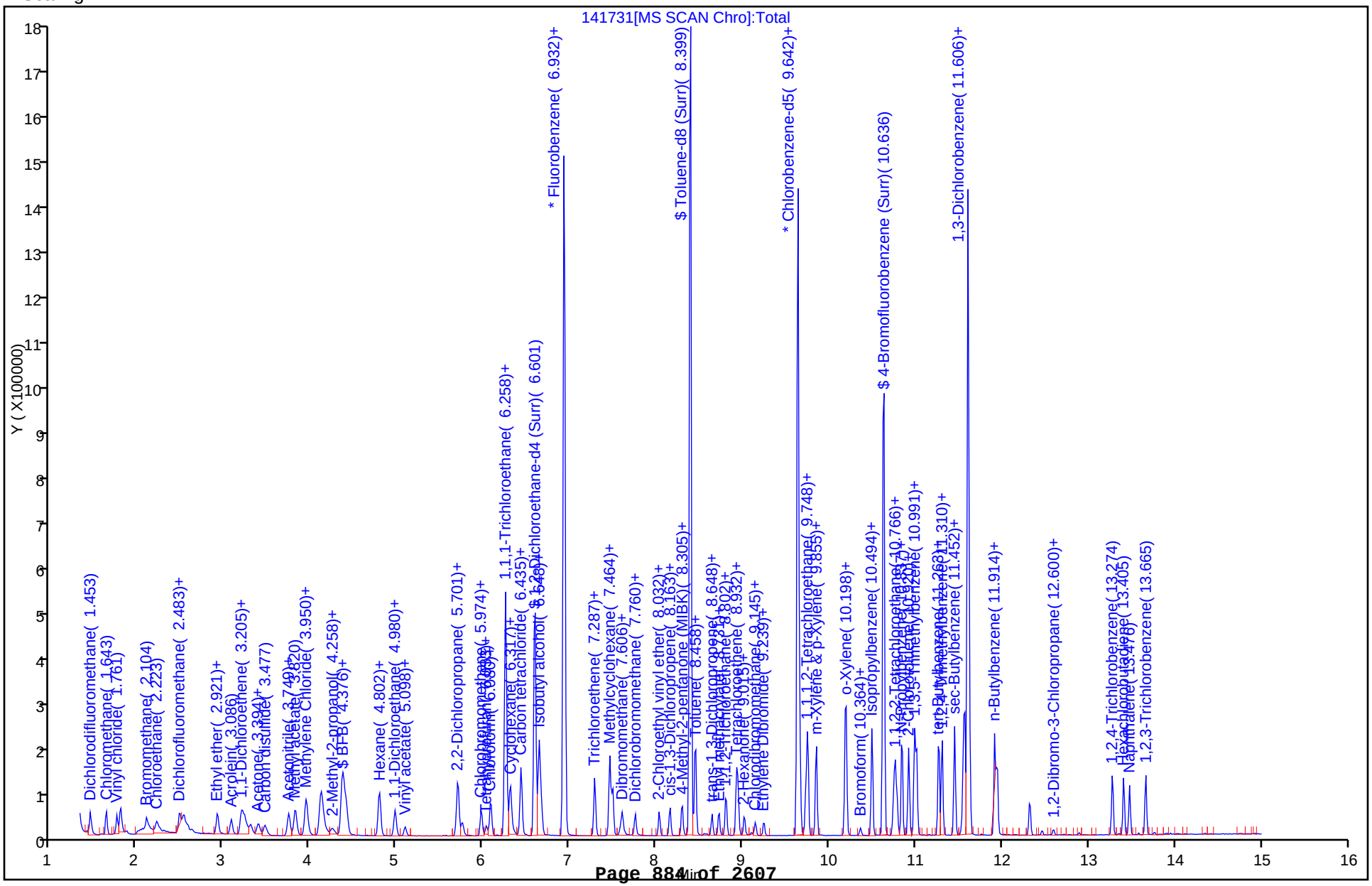
Report Date: 03-Apr-2013 14:23:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130402-18475.b\141731.D

Injection Date:	03-Apr-2013 01:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80302	Lims Sample ID:	31
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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80388/5

Matrix: Solid | Lab File ID: 141736.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/03/2013 11:46

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.: 80388 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00918	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.0143	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00530		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00581		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00633		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00595		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00434		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00504		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00550		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00516		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00564		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00538		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00417		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.0103		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00633		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00528		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00432		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00550		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00982	J	0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.00760	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00912	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.00497		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00520		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00552		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00527		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00500		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00405		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00475		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00509		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00550		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00493		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00490		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00571		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00660	^	0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0103		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80388/5

Matrix: Solid Lab File ID: 141736.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/03/2013 11:46

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.: 80388 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-150
2037-26-5	Toluene-d8 (Surr)	99		50-150
460-00-4	4-Bromofluorobenzene (Surr)	94		50-150
1868-53-7	Dibromofluoromethane (Surr)	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141736.D
Lims ID: QCMRL Client ID:
Inject. Date: 03-Apr-2013 11:46:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018501-005 =240-0018501-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80388 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 03-Apr-2013 12:14:10

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	1118357	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	730514	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	337148	50.0	
$ 4 BFB	95	4.376	4.502	-0.126	0	1584	0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.258	-0.001	65	270164	45.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	96	312685	47.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1102097	49.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	348005	47.2	
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	1.453	1.453	0.0	97	36776	5.76	
13 Chloromethane	50	1.643	1.643	0.0	100	46512	5.64	
14 Vinyl chloride	62	1.761	1.773	-0.012	99	37947	5.71	
15 Bromomethane	94	2.116	2.116	0.0	91	13793	6.33	
16 Chloroethane	64	2.222	2.234	-0.012	90	20415	6.60	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	94	54805	6.08	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	94	51657	6.09	
25 Methylal	45		2.932					
19 Ethyl ether	59	2.921	2.932	-0.011	96	25995	5.16	
20 Acrolein	56	3.086	3.086	0.0	95	29149	41.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	27596	5.38	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.252	-0.012	78	24161	5.36	
22 Acetone	43	3.311	3.311	0.0	96	29669	14.3	
24 Iodomethane	142	3.406	3.406	0.0	97	42572	5.09	

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	46464	5.95	
27 Acetonitrile	41	3.749	3.725	0.024	68	46441	77.5	
29 3-Chloro-1-propene	76	3.761	3.761	0.0	79	11486	3.80	
28 Methyl acetate	43	3.832	3.832	0.0	97	88829	23.2	
30 Methylene Chloride	84	3.950	3.950	0.0	98	45829	7.60	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	87	17218	45.2	
32 Acrylonitrile	53	4.364	4.364	0.0	100	87402	47.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	30536	5.17	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	91	63332	4.75	
35 Hexane	86	4.802	4.802	0.0	96	8190	5.07	
36 1,1-Dichloroethane	63	4.979	4.980	-0.001	85	55671	5.04	
37 Vinyl acetate	86	5.098	5.098	0.0	96	3578	4.13	
39 2-Chloro-1,3-butadiene	53		5.098					9
38 Isopropyl ether	87		5.122					
40 Tert-butyl ethyl ether	59		5.571					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.701	5.701	0.0	76	23423	4.51	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	32304	5.08	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	87	20892	9.18	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43	5.843	5.843	0.0	69	2457	0.4954	
47 Chlorobromomethane	128	5.985	5.985	0.0	95	14522	5.09	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	95	14175	9.12	
49 Chloroform	83	6.092	6.092	0.0	95	47843	5.00	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	92	35244	4.75	
51 Cyclohexane	56	6.317	6.317	0.0	95	59707	5.35	
53 Carbon tetrachloride	117	6.435	6.435	0.0	75	31224	4.34	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	87	39171	5.12	
54 Isobutyl alcohol	41	6.636	6.636	0.0	81	19767	127.5	
55 Benzene	78	6.648	6.648	0.0	96	125675	5.30	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	83	39437	5.16	
57 Tert-amyl methyl ether	73		6.790					9
58 n-Heptane	100	6.944	6.944	0.0	88	9883	5.25	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					9
60 Trichloroethene	130	7.287	7.287	0.0	94	33954	4.90	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	53950	5.34	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	89	31328	5.28	
65 Dibromomethane	93	7.606	7.606	0.0	89	13360	4.76	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	71	3532	83.2	
67 Dichlorobromomethane	83	7.760	7.760	0.0	95	23284	4.32	
68 2-Nitropropane	41		7.961					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	89	16698	7.42	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	82	26674	4.17	
71 4-Methyl-2-pentanone (MIBK)	43	8.293	8.293	0.0	97	40427	9.12	
72 Toluene	91	8.458	8.458	0.0	94	129799	5.27	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	95	19072	4.05	
74 Ethyl methacrylate	69	8.731	8.731	-0.001	92	20607	4.21	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	94	20793	5.50	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	27948	5.52	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.944	8.955	-0.011	97	34960	5.17	
78 2-Hexanone	43	9.015	9.015	-0.001	97	28906	9.82	
132 n-Butyl acetate	43		9.121					
79 Chlorodibromomethane	129	9.145	9.145	0.0	81	13678	6.33	
123 Ethylene Dibromide	107	9.251	9.251	0.0	95	17970	4.93	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	93	83762	5.50	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	84	21004	4.29	
84 Ethylbenzene	106	9.748	9.748	0.0	99	45312	5.50	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	51771	5.09	
85 o-Xylene	106	10.186	10.186	0.0	94	50269	5.23	
86 Styrene	104	10.198	10.198	0.0	91	73552	4.97	
87 Bromoform	173	10.363	10.363	0.0	90	6173	5.81	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	134488	5.30	
89 Cyclohexanone	55		10.577					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	20504	5.20	
91 Bromobenzene	156	10.766	10.766	0.0	89	32388	5.42	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	53	5898	4.62	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	72	6915	5.16	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	39709	5.59	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	33172	5.44	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	95	108262	5.32	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	34258	5.51	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	102736	5.36	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	110098	5.32	
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	142143	5.38	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	79	64254	5.44	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	78	122091	5.39	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	92	64066	5.39	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	97	107575	5.49	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	60173	5.55	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	45	2090	4.26	
108 1,3,5-Trichlorobenzene	180		12.777					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	38727	5.68	
110 Hexachlorobutadiene	225	13.405	13.405	-0.001	95	22173	6.43	
111 Naphthalene	128	13.476	13.476	0.0	96	67856	5.10	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	34116	5.84	
113 2-Methylnaphthalene	142	14.339	14.339	0.0	79	11603	1.43	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	9464541	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	11528588	0	
S 137 Trihalomethanes, Total	1				0		21.5	
S 11 1,2-Dichloroethene, Total	96				0		10.2	
S 9 1,3-Dichloropropene, Total	75				0		8.22	
S 114 Xylenes, Total	106				0		10.3	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

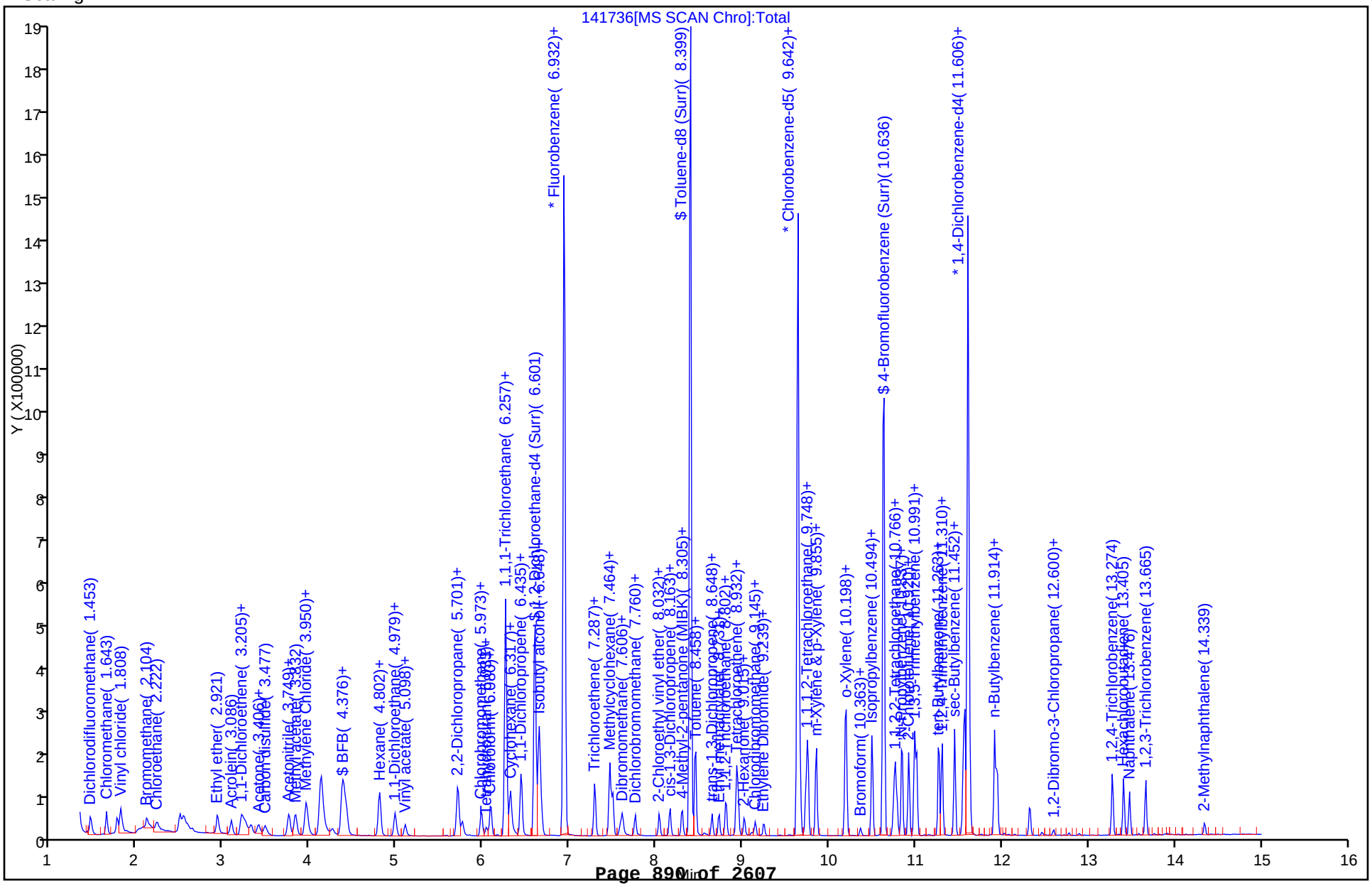
Report Date: 04-Apr-2013 10:47:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141736.D

Injection Date:	03-Apr-2013 11:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80388/32

Matrix: Solid | Lab File ID: 141763.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/03/2013 21:41

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.: 80388 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.0124		0.010	0.00050	0.00057
67-64-1	Acetone	0.0145	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00508		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00575		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00556		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00568		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00356		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00474		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00519		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00522		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00495		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00444		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00398		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.00971		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00620		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00513		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00403		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00503		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.0101		0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.00671	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0103		0.010	0.00050	0.00032
100-42-5	Styrene	0.00456		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00558		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00490		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00494		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00496		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00383		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00407		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00474		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00574		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00478		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00500		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00528		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00608		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.00944		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80388/32

Matrix: Solid Lab File ID: 141763.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/03/2013 21:41

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.: 80388 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		50-150
2037-26-5	Toluene-d8 (Surr)	93		50-150
460-00-4	4-Bromofluorobenzene (Surr)	92		50-150
1868-53-7	Dibromofluoromethane (Surr)	90		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141763.D
Lims ID: qcmrl Client ID:
Inject. Date: 03-Apr-2013 21:41:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018501-032 =240-0018501-032
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 31
Lims Batch ID: 80388 Lims Sample ID: 32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130403-18501.b\8260_14.m
Last Update: 04-Apr-2013 10:47:53 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: XAWRK029

First Level Reviewer: macenczaks Date: 04-Apr-2013 10:08:42

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	1060702	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	704074	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	317388	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1280	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	71	252862	44.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	308744	50.1	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	997404	46.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.624	0.0	92	318781	45.8	
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	1.453	1.453	0.0	97	30928	5.11	
13 Chloromethane	50	1.643	1.643	0.0	100	38780	4.95	
14 Vinyl chloride	62	1.761	1.773	-0.012	98	33300	5.28	
15 Bromomethane	94	2.104	2.116	-0.012	87	11498	5.56	
16 Chloroethane	64	2.223	2.234	-0.011	95	17820	6.08	
17 Dichlorofluoromethane	67	2.483	2.495	-0.012	94	49319	5.77	
18 Trichlorofluoromethane	101	2.530	2.542	-0.012	97	43411	5.39	
25 Methylal	45	2.921	2.932	-0.011	64	25269	0	
19 Ethyl ether	59	2.921	2.932	-0.011	96	25389	5.31	
20 Acrolein	56	3.086	3.086	0.0	94	28396	42.1	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	21591	4.44	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.228	3.252	-0.024	78	19621	4.59	
22 Acetone	43	3.311	3.311	0.0	95	28384	14.5	
24 Iodomethane	142	3.394	3.406	-0.012	97	38802	4.89	

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	39849	5.68	
27 Acetonitrile	41	3.749	3.725	0.024	65	36300	63.9	
29 3-Chloro-1-propene	76	3.749	3.761	-0.012	79	10761	3.75	
28 Methyl acetate	43	3.820	3.832	-0.012	97	95445	26.3	
30 Methylene Chloride	84	3.950	3.950	0.0	98	38360	6.71	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	75	16866	46.7	
32 Acrylonitrile	53	4.364	4.364	0.0	99	88115	50.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	26325	4.70	
34 Methyl tert-butyl ether	73	4.412	4.412	0.0	89	59847	4.73	
35 Hexane	86	4.802	4.802	0.0	96	6924	4.52	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	49619	4.74	
37 Vinyl acetate	86	5.098	5.098	0.0	97	2369	2.88	
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	68	18686	3.79	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	30258	5.01	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	91	26666	12.4	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128	5.974	5.985	-0.011	93	12828	4.74	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	15280	10.4	
49 Chloroform	83	6.080	6.092	-0.012	97	44985	4.96	
50 1,1,1-Trichloroethane	97	6.258	6.257	0.001	78	28653	4.07	
51 Cyclohexane	56	6.317	6.317	0.0	93	48031	4.54	
53 Carbon tetrachloride	117	6.435	6.435	0.0	65	24313	3.56	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	35676	4.92	
54 Isobutyl alcohol	41	6.636	6.636	0.0	60	19831	134.9	
55 Benzene	78	6.648	6.648	0.0	97	114262	5.08	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	86	37795	5.22	
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100	6.944	6.944	0.0	91	8742	4.90	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.275					
60 Trichloroethene	130	7.287	7.287	0.0	95	32868	5.00	
63 Methylcyclohexane	83	7.465	7.464	0.001	95	43629	4.56	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	28828	5.13	
65 Dibromomethane	93	7.607	7.606	0.001	91	12710	4.77	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	64	4806	119.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	88	20166	4.03	
68 2-Nitropropane	41		7.961					
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	92	17208	8.06	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	79	23774	3.98	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.293	0.012	99	44101	10.3	
72 Toluene	91	8.458	8.458	0.0	94	117172	4.94	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	96	17036	3.83	
74 Ethyl methacrylate	69	8.731	8.731	0.0	89	20596	4.36	
75 1,1,2-Trichloroethane	97	8.802	8.802	0.0	95	20934	5.74	
77 Tetrachloroethene	164	8.932	8.932	0.0	96	23936	4.90	

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	93	33637	5.16	
78 2-Hexanone	43	9.015	9.015	0.0	96	28557	10.1	
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129	9.145	9.145	0.0	83	12580	6.20	
123 Ethylene Dibromide	107	9.239	9.251	-0.012	96	16787	4.78	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	93	76241	5.19	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	81	19926	4.22	
84 Ethylbenzene	106	9.748	9.748	0.0	99	39916	5.03	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	46596	4.76	
85 o-Xylene	106	10.186	10.186	0.0	94	43414	4.68	
86 Styrene	104	10.198	10.198	0.0	89	65053	4.56	
87 Bromoform	173	10.364	10.363	0.001	89	5826	5.75	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	115212	4.71	
89 Cyclohexanone	55		10.577					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	83	20721	5.58	
91 Bromobenzene	156	10.766	10.766	0.0	91	30813	5.48	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	49	6203	5.16	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	72	7436	5.90	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	34062	5.09	
95 2-Chlorotoluene	126	10.920	10.920	0.0	95	29902	5.21	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	96	93722	4.89	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	29560	5.05	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	92043	5.10	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	76	96736	4.97	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	126723	5.10	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	93	56334	5.06	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	79	104046	4.88	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	92	59631	5.33	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	94	84569	4.59	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	57357	5.62	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	46	2237	4.89	
108 1,3,5-Trichlorobenzene	180		12.777					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	93	33711	5.25	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	93	16815	5.18	
111 Naphthalene	128	13.476	13.476	0.0	96	67249	5.37	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	94	32428	5.91	
113 2-Methylnaphthalene	142		14.339					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	8529256	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	10449308	0	
S 137 Trihalomethanes, Total	1				0		20.9	
S 11 1,2-Dichloroethene, Total	96				0		9.71	
S 9 1,3-Dichloropropene, Total	75				0		7.81	
S 114 Xylenes, Total	106				0		9.44	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

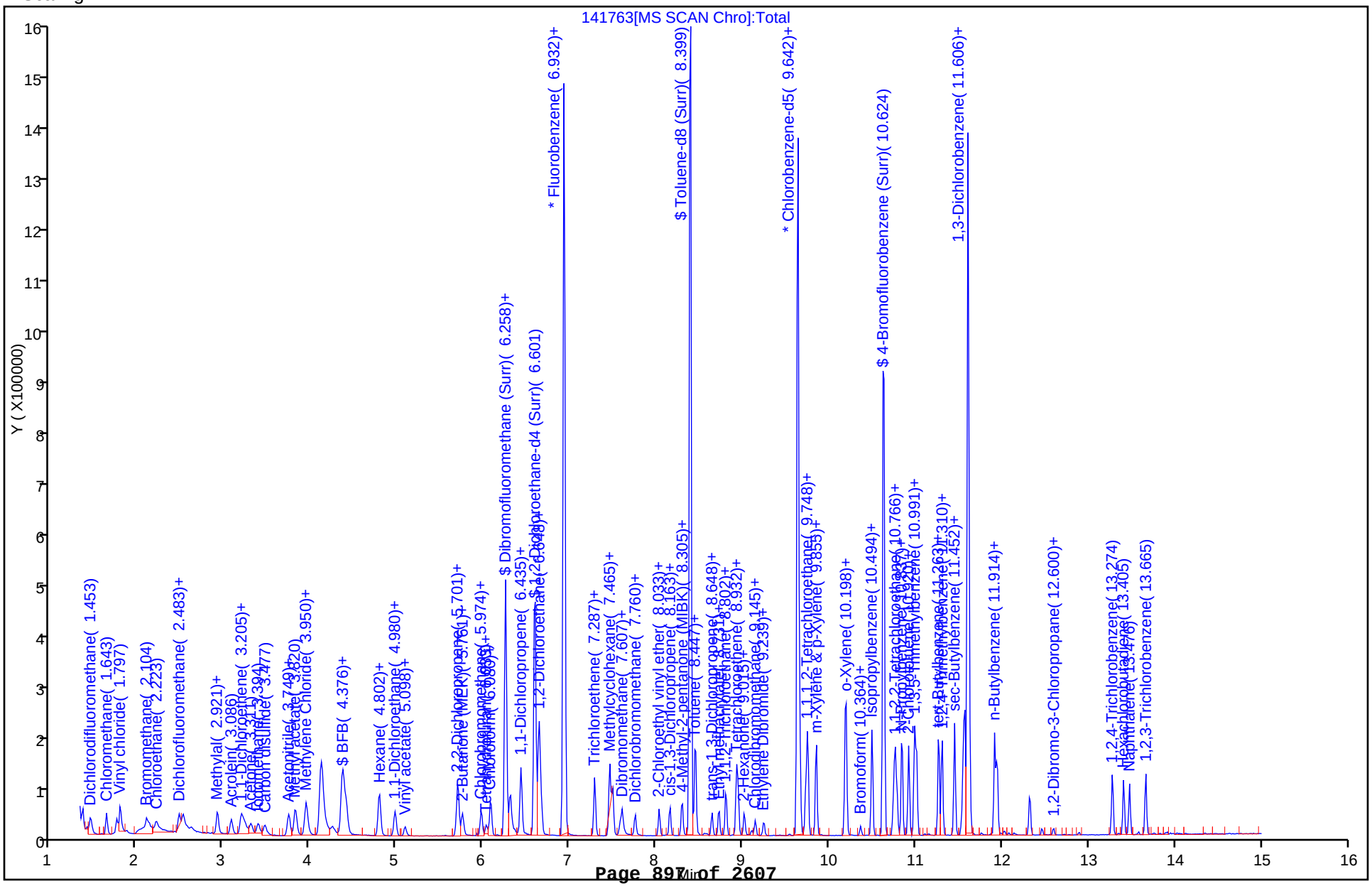
Report Date: 04-Apr-2013 10:48:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130403-18501.b\141763.D

Injection Date:	03-Apr-2013 21:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80388	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.: 240-22488-1

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.: 240-22488-1

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

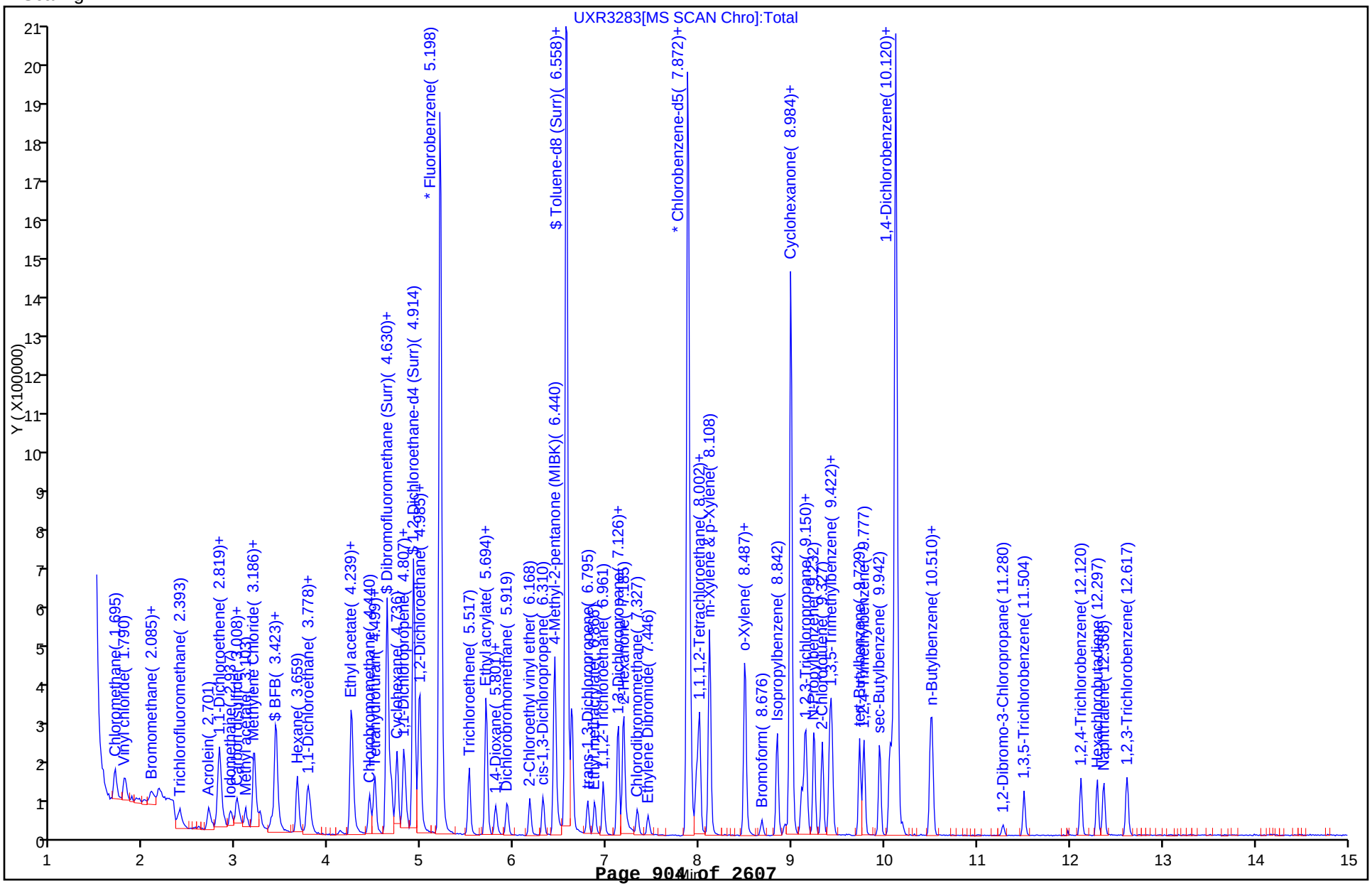
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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.: 240-22488-1

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.: 240-22488-1

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

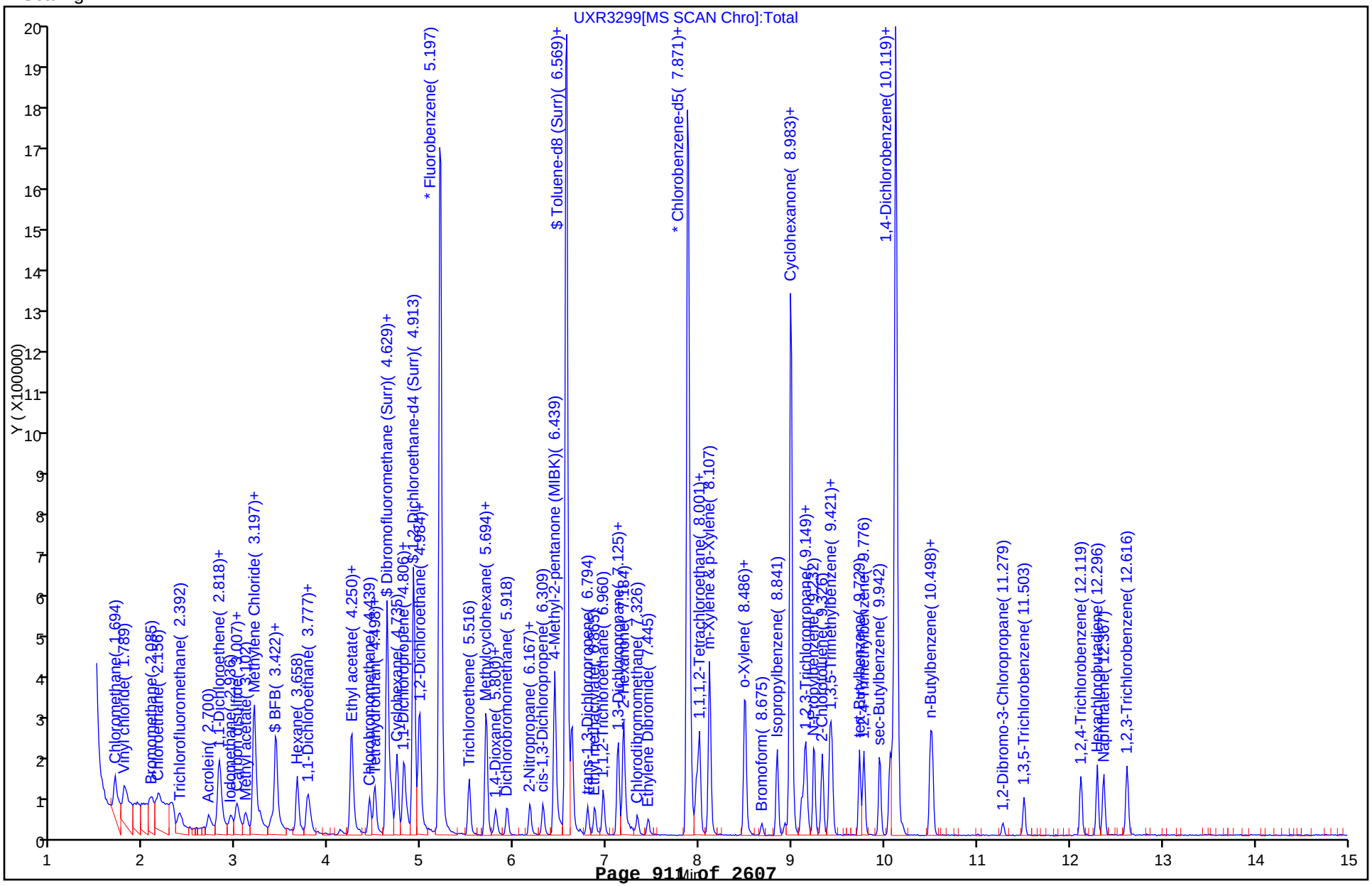
Report Date: 09-Apr-2013 08:43:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

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)
240-22488-25	TRIP BLANK	04/08/2013 13:55	1	UXR3285.D	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)
ZZZZZ		04/08/2013 17:09	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:31	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:52	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:14	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:36	1		DB-624 0.18(mm)
MRL 240-81013/21		04/08/2013 18:58	1	UXR3299.D	DB-624 0.18(mm)
LODV 240-81013/22		04/08/2013 19:19	1	UXR3300.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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.: 240-22488-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/02/2013 14:12

Analysis Batch Number: 80302 End Date: 04/03/2013 01:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-80302/1		04/02/2013 14:12	1	BFB14385.D	DB-624 0.18(mm)
CCV 240-80302/3		04/02/2013 14:55	1	141703.D	DB-624 0.18(mm)
CCV 240-80302/4		04/02/2013 15:17	1	141704.D	DB-624 0.18(mm)
MRL 240-80302/5		04/02/2013 15:38	1	141705.D	DB-624 0.18(mm)
LCS 240-80302/6		04/02/2013 16:00	1	141706.D	DB-624 0.18(mm)
MB 240-80302/7		04/02/2013 16:21	1	141707.D	DB-624 0.18(mm)
ZZZZZ		04/02/2013 16:58	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 17:20	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 17:41	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 18:03	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 18:25	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 18:46	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 19:08	1		DB-624 0.18(mm)
240-22488-18	079SB-0144M-0001-SO	04/02/2013 20:33	1	141718.D	DB-624 0.18(mm)
ZZZZZ		04/02/2013 22:21	1		DB-624 0.18(mm)
ZZZZZ		04/02/2013 23:25	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 00:08	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 00:51	1		DB-624 0.18(mm)
MRL 240-80302/31		04/03/2013 01:12	1	141731.D	DB-624 0.18(mm)
MDLV 240-80302/32		04/03/2013 01:34	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/03/2013 10:21

Analysis Batch Number: 80388 End Date: 04/03/2013 22:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-80388/1		04/03/2013 10:21	1	BFB14386.D	DB-624 0.18(mm)
CCV 240-80388/3		04/03/2013 11:03	1	141734.D	DB-624 0.18(mm)
CCV 240-80388/4		04/03/2013 11:25	1	141735.D	DB-624 0.18(mm)
MRL 240-80388/5		04/03/2013 11:46	1	141736.D	DB-624 0.18(mm)
LCS 240-80388/6		04/03/2013 12:08	1	141737.D	DB-624 0.18(mm)
MB 240-80388/7		04/03/2013 12:29	1	141738.D	DB-624 0.18(mm)
240-22488-5	079SB-0130M-0001-SO	04/03/2013 13:06	1	141739.D	DB-624 0.18(mm)
240-22488-7	079SB-0132M-0001-SO	04/03/2013 13:27	1	141740.D	DB-624 0.18(mm)
240-22488-11	079SB-0136M-0001-SO	04/03/2013 13:49	1	141741.D	DB-624 0.18(mm)
240-22488-23	079SS-0053M-0001-SO	04/03/2013 14:32	1	141743.D	DB-624 0.18(mm)
ZZZZZ		04/03/2013 14:53	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 15:15	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 15:36	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 16:19	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 16:41	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 17:24	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 18:07	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 18:49	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 19:11	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 19:32	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 19:54	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 20:37	1		DB-624 0.18(mm)
ZZZZZ		04/03/2013 21:20	1		DB-624 0.18(mm)
MRL 240-80388/32		04/03/2013 21:41	1	141763.D	DB-624 0.18(mm)
MDLV 240-80388/33		04/03/2013 22:02	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80275 Batch Start Date: 04/02/13 12:14 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 04/02/13 16:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
240-22488-C-5	079SB-0130M-0001 -SO	5035, 8260B/DoD	T	+030.432 g	36.78 g	6.348 g	5 mL		
240-22488-C-7	079SB-0132M-0001 -SO	5035, 8260B/DoD	T	+030.312 g	36.03 g	5.718 g	5 mL		
240-22488-C-11	079SB-0136M-0001 -SO	5035, 8260B/DoD	T	+030.217 g	35.99 g	5.773 g	5 mL		
240-22488-B-18	079SB-0144M-0001 -SO	5035, 8260B/DoD	T	+030.416 g	36.64 g	6.224 g	5 mL		
240-22488-C-23	079SS-0053M-0001 -SO	5035, 8260B/DoD	T	+030.394 g	34.49 g	4.096 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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
079SB-0130M-0001-SO	240-22488-5	64	68	57	62	65	52
079SB-0132M-0001-SO	240-22488-7	62 M	65	54	60	64	54
079SB-0136M-0001-SO	240-22488-11	62	64	55	58	67 M	54
079SB-0144M-0001-SO	240-22488-18	56	57	53	59	64	54
079SS-0053M-0001-SO	240-22488-23	57	64	48	58	67	55
	MB 240-80589/12-A	69	75	63	67	44	57
	LCS 240-80589/13-A	68	70	61	65	39	57
079SS-0053M-0001-SO MS	240-22488-23 MS	63	67	56	65	69	55
079SS-0053M-0001-SO MSD	240-22488-23 MSD	66	69	58	63	70	55

	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-81882/3	103	101 Q	96	101	96	98
	MRL 240-81882/23	100	98	92	100	93	97

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415005.D

Lab ID: LCS 240-80589/13-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	462	69	45-110	
Acenaphthylene	667	463	69	45-105	
Anthracene	667	475	71	55-105	
Benzo[a]anthracene	667	494	74	50-110	
Benzo[a]pyrene	667	442	66	50-110	
Benzo[b]fluoranthene	667	465	70	45-115	
Benzo[g,h,i]perylene	667	482	72	40-125	
Benzoic acid	667	330 U	6	0-110	
Benzo[k]fluoranthene	667	462	69	45-125	
Benzyl alcohol	667	349	52	20-125	M
Bis(2-chloroethoxy)methane	667	469	70	45-110	
Bis(2-chloroethyl)ether	667	458	69	40-105	
bis (2-chloroisopropyl) ether	667	475	71	20-115	
Bis(2-ethylhexyl) phthalate	667	522	78	45-125	
4-Bromophenyl phenyl ether	667	473	71	45-115	
Butyl benzyl phthalate	667	494	74	50-125	
Carbazole	667	467	70	45-115	
4-Chloroaniline	667	309	46	10-110	
4-Chloro-3-methylphenol	667	492	74	45-115	
2-Chloronaphthalene	667	450	67	45-105	
2-Chlorophenol	667	488	73	45-105	
4-Chlorophenyl phenyl ether	667	478	72	45-110	
Chrysene	667	479	72	55-110	
Dibenz(a,h)anthracene	667	495	74	40-125	
Dibenzofuran	667	469	70	50-105	
1,2-Dichlorobenzene	667	445	67	45-110	
1,3-Dichlorobenzene	667	439	66	40-100	
1,4-Dichlorobenzene	667	447	67	35-105	
3,3'-Dichlorobenzidine	667	283	42	10-130	
2,4-Dichlorophenol	667	463	70	45-110	
Diethyl phthalate	667	501	75	50-115	
2,4-Dimethylphenol	667	346	52	30-105	
Dimethyl phthalate	667	487	73	50-110	
Di-n-butyl phthalate	667	484	73	55-110	
4,6-Dinitro-2-methylphenol	667	467	70	30-135	
2,4-Dinitrophenol	667	394	59	15-130	
2,4-Dinitrotoluene	667	515	77	50-115	
2,6-Dinitrotoluene	667	493	74	50-110	
Di-n-octyl phthalate	667	492	74	40-130	
Fluoranthene	667	477	72	55-115	
Fluorene	667	473	71	50-110	
Hexachlorobenzene	667	458	69	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415005.D

Lab ID: LCS 240-80589/13-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	448	67	40-115	
Hexachloroethane	667	439	66	35-110	
Indeno[1,2,3-cd]pyrene	667	479	72	40-120	
Isophorone	667	457	69	45-110	
2-Methylnaphthalene	667	454	68	45-105	
2-Methylphenol	667	544	82	40-105	
3 & 4 Methylphenol	1330	926	69	40-105	
Naphthalene	667	453	68	40-105	
2-Nitroaniline	667	508	76	45-120	
3-Nitroaniline	667	426	64	25-110	
4-Nitroaniline	667	474	71	35-115	
Nitrobenzene	667	462	69	40-115	
2-Nitrophenol	667	482	72	40-110	
4-Nitrophenol	667	408	61	15-140	
N-Nitrosodi-n-propylamine	667	445	67	40-115	
N-Nitrosodiphenylamine	667	494	74	50-115	
Pentachlorophenol	667	233	35	25-120	
Phenanthrene	667	470	70	50-110	
Phenol	667	501	75	40-100	
Pyrene	667	484	73	45-125	
1,2,4-Trichlorobenzene	667	450	68	45-110	
2,4,5-Trichlorophenol	667	420	63	50-110	
2,4,6-Trichlorophenol	667	306	46	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30415003.D

Lab ID: MRL 240-81882/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.97	99	70-130	
Acenaphthylene	5.00	5.00	100	70-130	
Anthracene	5.00	5.00	100	70-130	
Benzo[a]anthracene	5.00	4.91	98	70-130	
Benzo[a]pyrene	5.00	4.96	99	70-130	
Benzo[b]fluoranthene	5.00	5.26	105	70-130	
Benzo[g,h,i]perylene	5.00	5.01	100	70-130	
Benzoic acid	10.0	9.08	91	70-130	M
Benzo[k]fluoranthene	5.00	4.52	90	70-130	
Benzyl alcohol	5.00	4.19	84	70-130	
Bis(2-chloroethoxy)methane	5.00	5.07	101	70-130	
Bis(2-chloroethyl)ether	5.00	4.96	99	70-130	
bis (2-chloroisopropyl) ether	5.00	4.84	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.08	102	70-130	
4-Bromophenyl phenyl ether	5.00	5.15	103	70-130	
Butyl benzyl phthalate	5.00	5.03	101	70-130	
Carbazole	5.00	5.04	101	70-130	
4-Chloroaniline	5.00	5.01	100	70-130	
4-Chloro-3-methylphenol	5.00	5.06	101	70-130	
2-Chloronaphthalene	5.00	4.96	99	70-130	
2-Chlorophenol	5.00	5.09	102	70-130	
4-Chlorophenyl phenyl ether	5.00	4.95	99	70-130	
Chrysene	5.00	4.81	96	70-130	
Dibenz(a,h)anthracene	5.00	4.98	100	70-130	
Dibenzofuran	5.00	4.94	99	70-130	
1,2-Dichlorobenzene	5.00	4.97	99	70-130	
1,3-Dichlorobenzene	5.00	5.02	100	70-130	
1,4-Dichlorobenzene	5.00	4.98	100	70-130	
3,3'-Dichlorobenzidine	10.0	10.3	103	70-130	
2,4-Dichlorophenol	5.00	5.18	104	70-130	
Diethyl phthalate	5.00	5.04	101	70-130	
2,4-Dimethylphenol	5.00	5.14	103	70-130	
Dimethyl phthalate	5.00	4.92	98	70-130	
Di-n-butyl phthalate	5.00	4.95	99	70-130	
4,6-Dinitro-2-methylphenol	10.0	10.0	100	70-130	
2,4-Dinitrophenol	10.0	9.33	93	70-130	
2,4-Dinitrotoluene	5.00	5.18	104	70-130	
2,6-Dinitrotoluene	5.00	5.09	102	70-130	
Di-n-octyl phthalate	5.00	5.00	100	70-130	
Fluoranthene	5.00	5.00	100	70-130	
Fluorene	5.00	4.87	97	70-130	
Hexachlorobenzene	5.00	4.86	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30415003.D

Lab ID: MRL 240-81882/3 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	4.86	97	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.04	101	70-130	
Isophorone	5.00	5.07	101	70-130	
2-Methylnaphthalene	5.00	5.02	100	70-130	
2-Methylphenol	5.00	5.72	114	70-130	
3 & 4 Methylphenol	5.00	5.02	100	70-130	
Naphthalene	5.00	4.84	97	70-130	
2-Nitroaniline	5.00	5.05	101	70-130	
3-Nitroaniline	5.00	4.98	100	70-130	
4-Nitroaniline	5.00	5.12	102	70-130	
Nitrobenzene	5.00	5.05	101	70-130	
2-Nitrophenol	5.00	5.35	107	70-130	
4-Nitrophenol	10.0	9.62	96	70-130	
N-Nitrosodi-n-propylamine	5.00	5.01	100	70-130	
N-Nitrosodiphenylamine	10.0	9.95	99	70-130	
Pentachlorophenol	10.0	8.05	80	70-130	
Phenanthrene	5.00	4.95	99	70-130	
Phenol	5.00	5.24	105	70-130	
Pyrene	5.00	5.00	100	70-130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70-130	
2,4,5-Trichlorophenol	5.00	5.18	104	70-130	
2,4,6-Trichlorophenol	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30415023.D

Lab ID: MRL 240-81882/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.98	100	70-130	
Acenaphthylene	5.00	4.86	97	70-130	
Anthracene	5.00	4.99	100	70-130	
Benzo[a]anthracene	5.00	4.80	96	70-130	
Benzo[a]pyrene	5.00	4.87	97	70-130	
Benzo[b]fluoranthene	5.00	4.90	98	70-130	
Benzo[g,h,i]perylene	5.00	4.93	99	70-130	
Benzoic acid	10.0	7.32	73	70-130	M
Benzo[k]fluoranthene	5.00	4.71	94	70-130	
Benzyl alcohol	5.00	3.83	77	70-130	
Bis(2-chloroethoxy)methane	5.00	4.88	98	70-130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70-130	
bis (2-chloroisopropyl) ether	5.00	4.59	92	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.95	99	70-130	
4-Bromophenyl phenyl ether	5.00	5.05	101	70-130	
Butyl benzyl phthalate	5.00	4.90	98	70-130	
Carbazole	5.00	4.99	100	70-130	
4-Chloroaniline	5.00	4.70	94	70-130	
4-Chloro-3-methylphenol	5.00	5.03	101	70-130	
2-Chloronaphthalene	5.00	4.85	97	70-130	
2-Chlorophenol	5.00	4.76	95	70-130	
4-Chlorophenyl phenyl ether	5.00	5.06	101	70-130	
Chrysene	5.00	4.84	97	70-130	
Dibenz(a,h)anthracene	5.00	5.00	100	70-130	
Dibenzofuran	5.00	4.79	96	70-130	
1,2-Dichlorobenzene	5.00	4.92	98	70-130	
1,3-Dichlorobenzene	5.00	4.96	99	70-130	
1,4-Dichlorobenzene	5.00	4.95	99	70-130	
3,3'-Dichlorobenzidine	10.0	10.4	104	70-130	
2,4-Dichlorophenol	5.00	4.93	99	70-130	
Diethyl phthalate	5.00	5.03	101	70-130	
2,4-Dimethylphenol	5.00	4.98	100	70-130	
Dimethyl phthalate	5.00	4.84	97	70-130	
Di-n-butyl phthalate	5.00	4.99	100	70-130	
4,6-Dinitro-2-methylphenol	10.0	7.26	73	70-130	
2,4-Dinitrophenol	10.0	5.00	50	70-130	^
2,4-Dinitrotoluene	5.00	5.03	101	70-130	
2,6-Dinitrotoluene	5.00	4.87	97	70-130	
Di-n-octyl phthalate	5.00	4.89	98	70-130	
Fluoranthene	5.00	4.97	99	70-130	
Fluorene	5.00	5.00	100	70-130	
Hexachlorobenzene	5.00	5.12	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30415023.D

Lab ID: MRL 240-81882/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.24	105	70-130	
Hexachloroethane	5.00	4.71	94	70-130	
Indeno[1,2,3-cd]pyrene	5.00	4.93	99	70-130	
Isophorone	5.00	4.83	97	70-130	
2-Methylnaphthalene	5.00	5.00	100	70-130	
2-Methylphenol	5.00	5.66	113	70-130	
3 & 4 Methylphenol	5.00	4.73	95	70-130	
Naphthalene	5.00	4.96	99	70-130	
2-Nitroaniline	5.00	4.98	100	70-130	
3-Nitroaniline	5.00	5.04	101	70-130	
4-Nitroaniline	5.00	5.04	101	70-130	
Nitrobenzene	5.00	4.88	98	70-130	
2-Nitrophenol	5.00	4.80	96	70-130	
4-Nitrophenol	10.0	7.89	79	70-130	
N-Nitrosodi-n-propylamine	5.00	4.64	93	70-130	
N-Nitrosodiphenylamine	10.0	10.4	104	70-130	
Pentachlorophenol	10.0	5.17	52	70-130	^
Phenanthrene	5.00	4.82	96	70-130	
Phenol	5.00	5.01	100	70-130	
Pyrene	5.00	4.83	97	70-130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70-130	
2,4,5-Trichlorophenol	5.00	5.06	101	70-130	
2,4,6-Trichlorophenol	5.00	4.57	91	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415015.D

Lab ID: 240-22488-23 MS Client ID: 079SS-0053M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	658	3.3 U	453	69	45-110	
Acenaphthylene	658	3.3 U	447	68	45-105	
Anthracene	658	3.3 U	434	66	55-105	
Benzo[a]anthracene	658	15	466	68	50-110	
Benzo[a]pyrene	658	16	430	63	50-110	
Benzo[b]fluoranthene	658	28	468	67	45-115	
Benzo[g,h,i]perylene	658	13	469	69	40-125	
Benzoic acid	658	330 U	330 U	0	0-110	
Benzo[k]fluoranthene	658	9.6	446	66	45-125	
Benzyl alcohol	658	27 U	351	53	20-125	
Bis(2-chloroethoxy)methane	658	27 U	444	68	45-110	
Bis(2-chloroethyl)ether	658	3.3 U	389	59	40-105	
bis (2-chloroisopropyl) ether	658	27 U	406	62	20-115	
Bis(2-ethylhexyl) phthalate	658	27 J	481	69	45-125	
4-Bromophenyl phenyl ether	658	27 U	485	74	45-115	
Butyl benzyl phthalate	658	21 J	469	68	50-125	
Carbazole	658	27 U	429	65	45-115	
4-Chloroaniline	658	27 U	73.6 J	11	10-95	
4-Chloro-3-methylphenol	658	27 U	480	73	45-115	
2-Chloronaphthalene	658	3.3 U	435	66	45-105	
2-Chlorophenol	658	27 U	451	69	45-105	
4-Chlorophenyl phenyl ether	658	27 U	470	71	45-110	
Chrysene	658	23	491	71	55-110	
Dibenz(a,h)anthracene	658	3.3 U	468	71	40-125	
Dibenzofuran	658	3.3 U	468	71	50-105	
1,2-Dichlorobenzene	658	27 U	383	58	45-95	
1,3-Dichlorobenzene	658	27 U	373	57	40-100	
1,4-Dichlorobenzene	658	27 U	382	58	35-105	
3,3'-Dichlorobenzidine	658	80 U	79 U	0	10-130	J
2,4-Dichlorophenol	658	27 U	484	74	45-110	
Diethyl phthalate	658	27 U	483	74	50-115	
2,4-Dimethylphenol	658	80 U	271	41	30-105	
Dimethyl phthalate	658	27 U	467	71	50-110	
Di-n-butyl phthalate	658	27 U	459	70	55-110	
4,6-Dinitro-2-methylphenol	658	80 U	383	58	30-135	
2,4-Dinitrophenol	658	80 U	328 J	50	15-130	
2,4-Dinitrotoluene	658	27 U	482	73	50-115	
2,6-Dinitrotoluene	658	27 U	476	72	50-110	
Di-n-octyl phthalate	658	27 U	456	69	40-130	
Fluoranthene	658	31	484	69	55-115	
Fluorene	658	3.3 U	475	72	50-110	
Hexachlorobenzene	658	3.3 U	452	69	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415015.D

Lab ID: 240-22488-23 MS Client ID: 079SS-0053M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	658	27 U	401	61	40-115	
Hexachloroethane	658	27 U	360	55	35-110	
Indeno[1,2,3-cd]pyrene	658	12	460	68	40-120	
Isophorone	658	27 U	437	66	45-110	
2-Methylnaphthalene	658	8.6	449	67	45-105	
2-Methylphenol	658	80 U	526	80	40-105	
3 & 4 Methylphenol	1320	80 U	874	66	40-105	
Naphthalene	658	9.2	426	63	40-105	
2-Nitroaniline	658	27 U	482	73	45-120	
3-Nitroaniline	658	80 U	211	32	25-110	
4-Nitroaniline	658	27 U	228	35	35-115	
Nitrobenzene	658	3.3 U	420	64	40-115	
2-Nitrophenol	658	27 U	463	70	40-110	
4-Nitrophenol	658	80 U	486	74	15-140	
N-Nitrosodi-n-propylamine	658	27 U	418	64	40-115	
N-Nitrosodiphenylamine	658	27 U	448	68	50-115	
Pentachlorophenol	658	80 U	522	79	25-120	
Phenanthrene	658	16	469	69	50-110	
Phenol	658	27 U	490	74	40-100	
Pyrene	658	26	487	70	45-125	
1,2,4-Trichlorobenzene	658	27 U	410	62	45-110	
2,4,5-Trichlorophenol	658	27 U	506	77	50-110	
2,4,6-Trichlorophenol	658	80 U	461	70	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415016.D

Lab ID: 240-22488-23 MSD Client ID: 079SS-0053M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	671	464	69	2	30	45-110	
Acenaphthylene	671	457	68	2	30	45-105	
Anthracene	671	459	68	6	30	55-105	
Benzo[a]anthracene	671	496	72	6	30	50-110	
Benzo[a]pyrene	671	442	63	3	30	50-110	
Benzo[b]fluoranthene	671	463	65	1	30	45-115	
Benzo[g,h,i]perylene	671	487	71	4	30	40-125	
Benzoic acid	671	340 U	0	NC	30	0-110	
Benzo[k]fluoranthene	671	474	69	6	30	45-125	
Benzyl alcohol	671	415	62	17	30	20-125	
Bis(2-chloroethoxy)methane	671	468	70	5	30	45-110	
Bis(2-chloroethyl)ether	671	443	66	13	30	40-105	
bis (2-chloroisopropyl) ether	671	449	67	10	30	20-115	
Bis(2-ethylhexyl) phthalate	671	556	79	15	30	45-125	
4-Bromophenyl phenyl ether	671	464	69	5	30	45-115	
Butyl benzyl phthalate	671	488	70	4	30	50-125	
Carbazole	671	459	68	7	30	45-115	
4-Chloroaniline	671	130 J	19	56	30	10-95	J
4-Chloro-3-methylphenol	671	522	78	8	30	45-115	
2-Chloronaphthalene	671	442	66	2	30	45-105	
2-Chlorophenol	671	492	73	9	30	45-105	
4-Chlorophenyl phenyl ether	671	503	75	7	30	45-110	
Chrysene	671	499	71	2	30	55-110	
Dibenz(a,h)anthracene	671	498	74	6	30	40-125	
Dibenzofuran	671	471	70	1	30	50-105	
1,2-Dichlorobenzene	671	437	65	13	30	45-95	
1,3-Dichlorobenzene	671	423	63	13	30	40-100	
1,4-Dichlorobenzene	671	427	64	11	30	35-105	
3,3'-Dichlorobenzidine	671	81 U	0	NC	30	10-130	J
2,4-Dichlorophenol	671	497	74	3	30	45-110	
Diethyl phthalate	671	525	78	8	30	50-115	
2,4-Dimethylphenol	671	169	25	46	30	30-105	J
Dimethyl phthalate	671	503	75	7	30	50-110	
Di-n-butyl phthalate	671	497	74	8	30	55-110	
4,6-Dinitro-2-methylphenol	671	324	48	16	30	30-135	
2,4-Dinitrophenol	671	282 J	42	15	30	15-130	
2,4-Dinitrotoluene	671	522	78	8	30	50-115	
2,6-Dinitrotoluene	671	512	76	7	30	50-110	
Di-n-octyl phthalate	671	491	73	8	30	40-130	
Fluoranthene	671	525	74	8	30	55-115	
Fluorene	671	494	74	4	30	50-110	
Hexachlorobenzene	671	446	66	1	30	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30415016.D

Lab ID: 240-22488-23 MSD Client ID: 079SS-0053M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	671	458	68	13	30	40-115	
Hexachloroethane	671	422	63	16	30	35-110	
Indeno[1,2,3-cd]pyrene	671	484	70	5	30	40-120	
Isophorone	671	463	69	6	30	45-110	
2-Methylnaphthalene	671	473	69	5	30	45-105	
2-Methylphenol	671	467	70	12	30	40-105	
3 & 4 Methylphenol	1340	919	68	5	30	40-105	
Naphthalene	671	457	67	7	30	40-105	
2-Nitroaniline	671	499	74	3	30	45-120	
3-Nitroaniline	671	298	44	34	30	25-110	J
4-Nitroaniline	671	326	49	35	30	35-115	J
Nitrobenzene	671	445	66	6	30	40-115	
2-Nitrophenol	671	469	70	1	30	40-110	
4-Nitrophenol	671	561	84	14	30	15-140	
N-Nitrosodi-n-propylamine	671	451	67	8	30	40-115	
N-Nitrosodiphenylamine	671	438	65	2	30	50-115	
Pentachlorophenol	671	553	82	6	30	25-120	
Phenanthrene	671	480	69	2	30	50-110	
Phenol	671	522	78	6	30	40-100	
Pyrene	671	491	69	1	30	45-125	
1,2,4-Trichlorobenzene	671	446	67	8	30	45-110	
2,4,5-Trichlorophenol	671	539	80	6	30	50-110	
2,4,6-Trichlorophenol	671	468	70	1	30	45-110	

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.: 240-22488-1

SDG No.:

Lab File ID: 30415004.D Lab Sample ID: MB 240-80589/12-A

Matrix: Solid Date Extracted: 04/04/2013 10:52

Instrument ID: A4HP9 Date Analyzed: 04/15/2013 10:44

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-80589/13-A	30415005.D	04/15/2013 11:04
079SB-0130M-0001-SO	240-22488-5	30415010.D	04/15/2013 12:43
079SB-0132M-0001-SO	240-22488-7	30415011.D	04/15/2013 13:03
079SB-0136M-0001-SO	240-22488-11	30415012.D	04/15/2013 13:23
079SB-0144M-0001-SO	240-22488-18	30415013.D	04/15/2013 13:43
079SS-0053M-0001-SO	240-22488-23	30415014.D	04/15/2013 14:03
079SS-0053M-0001-SO MS	240-22488-23 MS	30415015.D	04/15/2013 14:22
079SS-0053M-0001-SO MSD	240-22488-23 MSD	30415016.D	04/15/2013 14:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab File ID: 30411001.D DFTPP Injection Date: 04/11/2013

Instrument ID: A4HP9 DFTPP Injection Time: 08:37

Analysis Batch No.: 81433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	47.1	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	66.7	
70	Less than 2.0% of mass 69	0.2	(0.3)1
127	25.0 - 75.0% of mass 198	53.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	21.5	
365	Greater than 0.75% of mass 198	3.1	
441	Present, but less than mass 443	10.6	
442	40.0 - 110.0% of mass 198	62.7	
443	15.0 - 24.0% of mass 442	11.9	(19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-81433/2	30411002.D	04/11/2013	08:55
	STD4 240-81433/3	30411003.D	04/11/2013	09:16
	STD3 240-81433/4	30411004.D	04/11/2013	09:35
	STD2 240-81433/5	30411005.D	04/11/2013	09:55
	STD1 240-81433/6	30411006.D	04/11/2013	10:15
	STD9 240-81433/7	30411007.D	04/11/2013	10:34
	STD8 240-81433/8	30411008.D	04/11/2013	10:54
	STD7 240-81433/9	30411009.D	04/11/2013	11:14
	STD6 240-81433/10	30411010.D	04/11/2013	11:34
	ICV 240-81433/11	30411011.D	04/11/2013	12:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab File ID: 30415001.D DFTPP Injection Date: 04/15/2013

Instrument ID: A4HP9 DFTPP Injection Time: 09:35

Analysis Batch No.: 81882

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	53.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	72.3	
70	Less than 2.0% of mass 69	0.5	(0.7)1
127	25.0 - 75.0% of mass 198	51.9	
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	6.7	
275	10.0- 30.0% of mass 198	21.2	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	10.3	
442	40.0 - 110.0% of mass 198	59.3	
443	15.0 - 24.0% of mass 442	11.5	(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 240-81882/2	30415002.D	04/15/2013	09:55
	MRL 240-81882/3	30415003.D	04/15/2013	10:22
	MB 240-80589/12-A	30415004.D	04/15/2013	10:44
	LCS 240-80589/13-A	30415005.D	04/15/2013	11:04
079SB-0130M-0001-SO	240-22488-5	30415010.D	04/15/2013	12:43
079SB-0132M-0001-SO	240-22488-7	30415011.D	04/15/2013	13:03
079SB-0136M-0001-SO	240-22488-11	30415012.D	04/15/2013	13:23
079SB-0144M-0001-SO	240-22488-18	30415013.D	04/15/2013	13:43
079SS-0053M-0001-SO	240-22488-23	30415014.D	04/15/2013	14:03
079SS-0053M-0001-SO MS	240-22488-23 MS	30415015.D	04/15/2013	14:22
079SS-0053M-0001-SO MSD	240-22488-23 MSD	30415016.D	04/15/2013	14:42
	MRL 240-81882/23	30415023.D	04/15/2013	17:01
	mdll1	30415024.D	04/15/2013	17:21
	mdll2	30415025.D	04/15/2013	17:40
	mdll3	30415026.D	04/15/2013	18:00
	mdll4	30415027.D	04/15/2013	18:20

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Sample No.: STD6 240-81433/10 Date Analyzed: 04/11/2013 11:34

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30411010.D Heated Purge: (Y/N) N

Calibration ID: 14447

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		149141	3.73	665425	4.75	380694	6.21
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-81433/11		143564	3.73	631677	4.75	353582	6.22
CCV 240-81882/2		178294	3.52	773587	4.53	442696	5.99
MRL 240-81882/3		144633	3.52	619215	4.53	354007	5.99
MB 240-80589/12-A		137642	3.51	629669	4.53	367060	5.99
LCS 240-80589/13-A		149252	3.51	663327	4.53	384335	5.99
240-22488-5	079SB-0130M-0001-SO	141421	3.52	630626	4.53	369222	5.98
240-22488-7	079SB-0132M-0001-SO	121590	3.53	542247	4.52	321724	5.98
240-22488-11	079SB-0136M-0001-SO	141069	3.53	614291	4.53	381186	5.98
240-22488-18	079SB-0144M-0001-SO	87927	3.52	357660	4.53	201181	5.98
240-22488-23	079SS-0053M-0001-SO	158483	3.52	712573	4.53	430909	5.98
240-22488-23 MS	079SS-0053M-0001-SO MS	168804	3.52	741440	4.53	443120	5.98
240-22488-23 MSD	079SS-0053M-0001-SO MSD	124618	3.52	554865	4.53	346592	5.98
MRL 240-81882/23		125433	3.52	532497	4.53	309677	5.98
mdll1 LODV		189782	3.51	793175	4.53	474008	5.99
mdll2 LODV		147910	3.52	629593	4.53	350883	5.98
mdll3 LODV		140694	3.52	600549	4.53	348343	5.98
mdll4 LODV		190443	3.51	824212	4.53	484167	5.98

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Sample No.: STD6 240-81433/10 Date Analyzed: 04/11/2013 11:34

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30411010.D Heated Purge: (Y/N) N

Calibration ID: 14447

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		638311	7.47	643729	9.70	519864	11.17
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-81433/11		577110	7.47	597303	9.70	470400	11.18
CCV 240-81882/2		736629	7.24	758806	9.46	630791	10.79
MRL 240-81882/3		593236	7.24	608942	9.46	504551	10.80
MB 240-80589/12-A		631801	7.24	632241	9.46	527437	10.79
LCS 240-80589/13-A		658604	7.24	659685	9.46	562250	10.79
240-22488-5	079SB-0130M-0001-SO	644819	7.23	663798	9.46	559957	10.79
240-22488-7	079SB-0132M-0001-SO	562294	7.23	592281	9.46	505159	10.79
240-22488-11	079SB-0136M-0001-SO	660811	7.23	687417	9.46	597081	10.79
240-22488-18	079SB-0144M-0001-SO	355283	7.23	363460	9.46	304278	10.79
240-22488-23	079SS-0053M-0001-SO	739586	7.23	748771	9.46	655417	10.80
240-22488-23 MS	079SS-0053M-0001-SO MS	774978	7.23	785302	9.46	676067	10.80
240-22488-23 MSD	079SS-0053M-0001-SO MSD	653623	7.23	706650	9.46	612808	10.80
MRL 240-81882/23		528286	7.23	550742	9.46	467807	10.80
mdll1 LODV		796062	7.24	847093	9.46	714197	10.79
mdll2 LODV		617926	7.23	649644	9.46	542236	10.80
mdll3 LODV		600511	7.23	612515	9.46	514044	10.80
mdll4 LODV		806446	7.23	847110	9.46	706032	10.80

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: 30415010.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 12:43

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.: 81882 | 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	46		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	39		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	24		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	40		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	16		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	15	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	54		50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	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	41		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	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: 30415010.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 12:43

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.: 81882 | 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	50	27	27
206-44-0	Fluoranthene	91		6.7	3.3	3.3
86-73-7	Fluorene	13		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	16	M	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	10		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	9.6		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	77		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	60		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.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: 30415010.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 17:35

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 12:43

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	57		35-100
4165-62-2	Phenol-d5 (Surr)	68		40-100
1718-51-0	Terphenyl-d14 (Surr)	52		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	65		35-125

Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D
Lims ID: 240-22488-G-5-E Client ID: 079SB-0130M-0001-SO
Inject. Date: 15-Apr-2013 12:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018860-010
Misc. Info.: 240-22488-G-5-E =240-22488-G-5-E
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 81882 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:49:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.524	3.517	0.007	93	141421	4.00	
* 2 Naphthalene-d8	136	4.528	4.527	0.001	98	630626	4.00	
* 3 Acenaphthene-d10	164	5.981	5.985	-0.004	85	369222	4.00	
* 4 Phenanthrene-d10	188	7.231	7.235	-0.004	97	644819	4.00	
* 5 Chrysene-d12	240	9.459	9.463	-0.004	85	663798	4.00	
* 6 Perylene-d12	264	10.789	10.793	-0.004	97	559957	4.00	
$ 7 2-Fluorophenol	112	2.642	2.555	0.087	93	587590	9.54	
$ 8 Phenol-d5	99	3.214	3.202	0.012	93	871396	10.1	
$ 9 Nitrobenzene-d5	82	3.941	3.944	-0.003	85	556878	5.69	
$ 10 2-Fluorobiphenyl (Surr)	172	5.410	5.408	0.002	99	651507	6.25	
$ 11 2,4,6-Tribromophenol	330	6.644	6.647	-0.003	82	114788	9.69	
$ 12 Terphenyl-d14	244	8.562	8.565	-0.003	97	652710	5.22	
43 Phenol	94		3.212					9
69 Bis(2-chloroethyl)ether	93		3.293					9
46 2-Chlorophenol	128		3.357					9
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146	3.535	3.528	0.007	52	5456	0.1083	
49 Benzyl alcohol	108		3.608					
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					
53 2,2'-oxybis[1-chloropropane]	45		3.704					
21 3 & 4 Methylphenol	108		3.800					9
57 N-Nitrosodi-n-propylamine	70		3.811					
61 Hexachloroethane	117		3.918					9
62 Nitrobenzene	77		3.960					
64 Isophorone	82	4.138	4.147	-0.009	72	23241	0.1466	
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					9
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122	4.245	4.313	-0.068	53	6435	0.1811	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.404					9
74 1,2,4-Trichlorobenzene	180		4.473					
75 Naphthalene	128	4.544	4.548	-0.004	39	21910	0.1436	
76 4-Chloroaniline	127		4.575					9
79 Hexachlorobutadiene	225		4.633					
86 4-Chloro-3-methylphenol	107		4.970					9
87 2-Methylnaphthalene	142	5.110	5.114	-0.004	67	14570	0.1518	
89 Hexachlorocyclopentadiene	237		5.242					
92 2,4,6-Trichlorophenol	196		5.339					
93 2,4,5-Trichlorophenol	196		5.376					
100 2-Chloronaphthalene	162		5.520					9
102 2-Nitroaniline	65		5.595					9
105 Dimethyl phthalate	163		5.739					9
107 2,6-Dinitrotoluene	165		5.793					
109 Acenaphthylene	152		5.867					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					9
116 Dibenzofuran	168		6.156					
121 Diethyl phthalate	149		6.332					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166	6.441	6.444	-0.003	79	19938	0.1916	
125 4-Nitroaniline	138		6.450					9
128 4,6-Dinitro-2-methylphenol	198		6.476					
131 N-Nitrosodiphenylamine	169		6.535					9
139 4-Bromophenyl phenyl ether	248		6.850					
141 Hexachlorobenzene	284		6.909					
143 Pentachlorophenol	266		7.069					
148 Phenanthrene	178	7.253	7.256	-0.003	98	185756	1.16	
149 Anthracene	178	7.295	7.299	-0.004	97	111826	0.6931	
151 Carbazole	167	7.424	7.427	-0.003	79	27338	0.1863	
154 Di-n-butyl phthalate	149		7.700					9
159 Fluoranthene	202	8.252	8.255	-0.003	99	235727	1.37	
161 Pyrene	202	8.449	8.453	-0.004	96	160381	0.9051	
168 Butyl benzyl phthalate	149		8.961					9
175 3,3'-Dichlorobenzidine	252		9.420					9
173 Bis(2-ethylhexyl) phthalate	149	9.432	9.431	0.001	92	91080	0.8141	
177 Benzo[a]anthracene	228	9.448	9.452	-0.004	95	98761	0.5863	
178 Chrysene	228	9.480	9.484	-0.004	90	97250	0.6139	
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.389	10.392	-0.004	92	94669	0.6032	
183 Benzo[k]fluoranthene	252	10.410	10.419	-0.009	1	37032	0.2274	M
184 Benzo[a]pyrene	252	10.730	10.739	-0.009	67	52132	0.3557	
188 Indeno[1,2,3-cd]pyrene	276	12.173	12.193	-0.020	91	37866	0.2429	M
189 Dibenz(a,h)anthracene	278		12.209					9
190 Benzo[g,h,i]perylene	276	12.589	12.620	-0.031	79	30738	0.2345	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

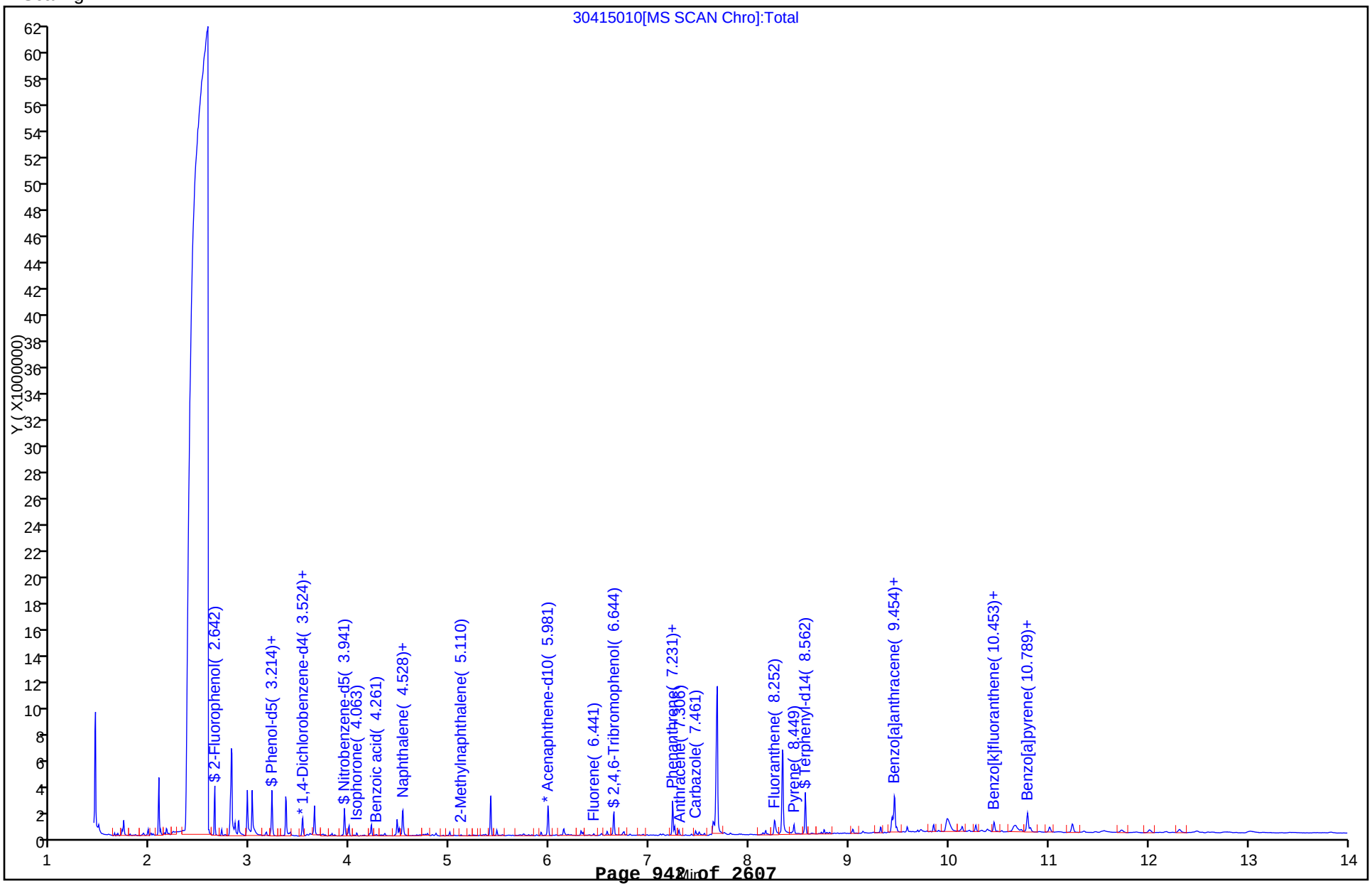
Review Flags
M - Manually Integrated

Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D		
Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



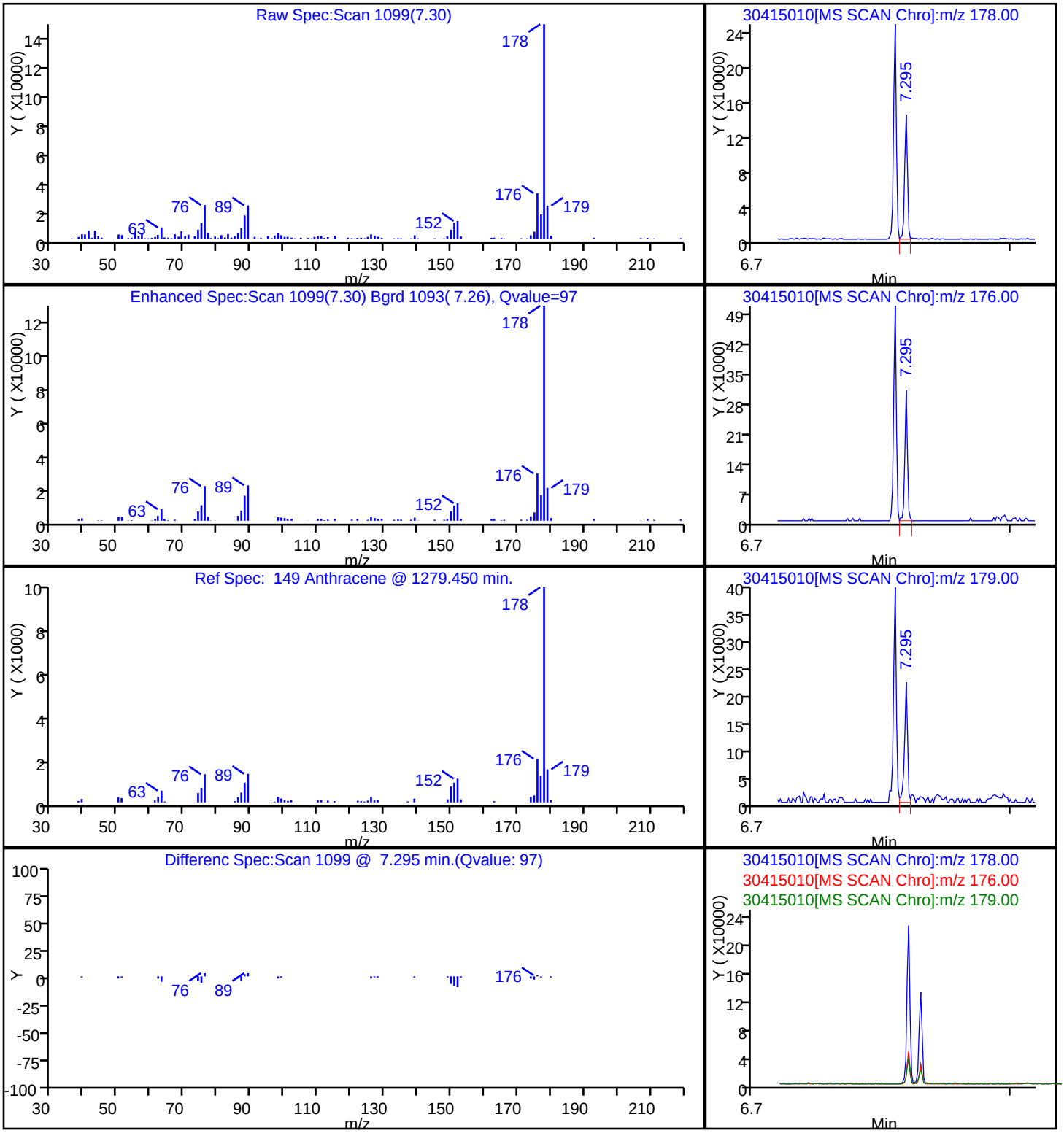
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



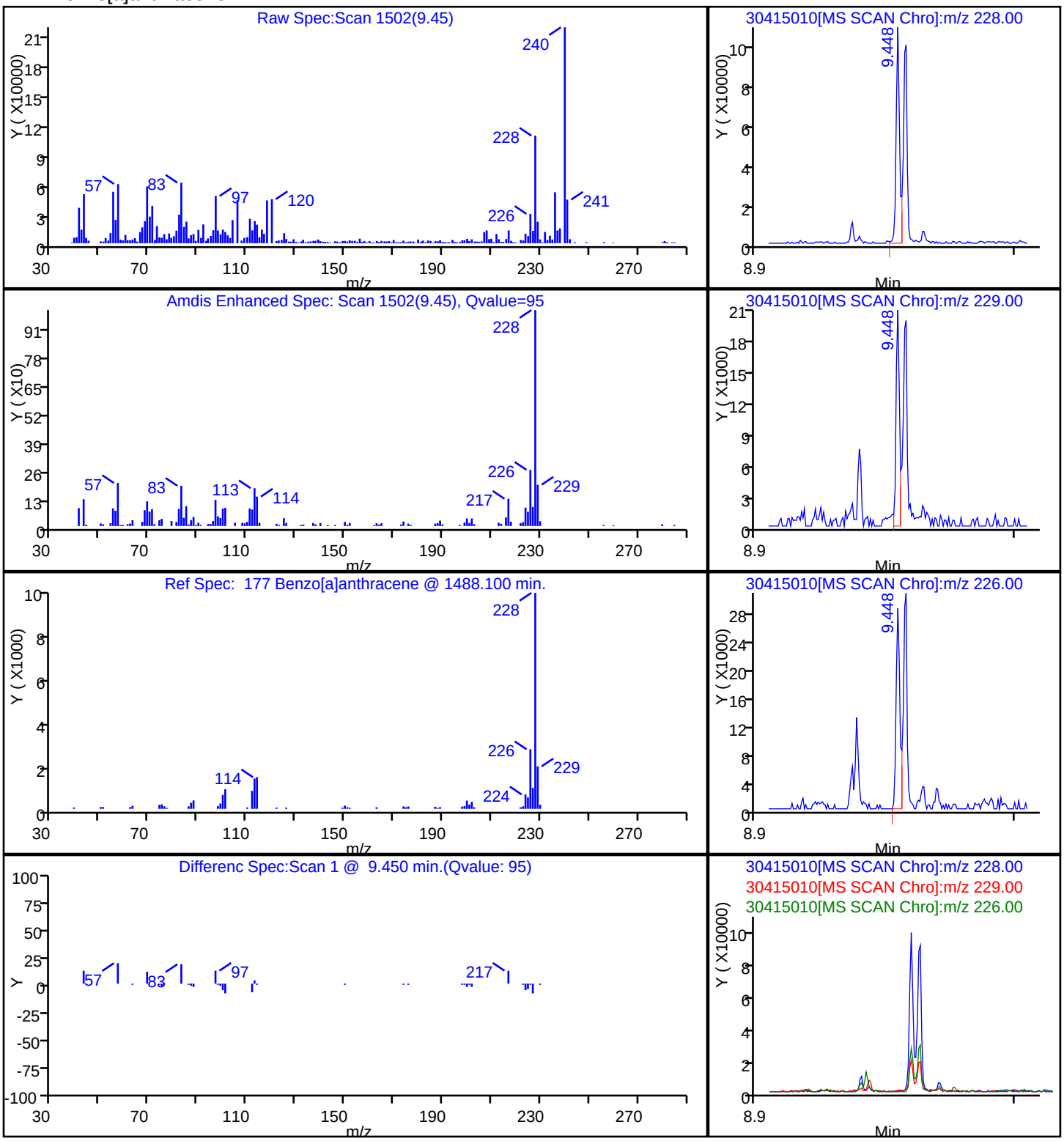
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



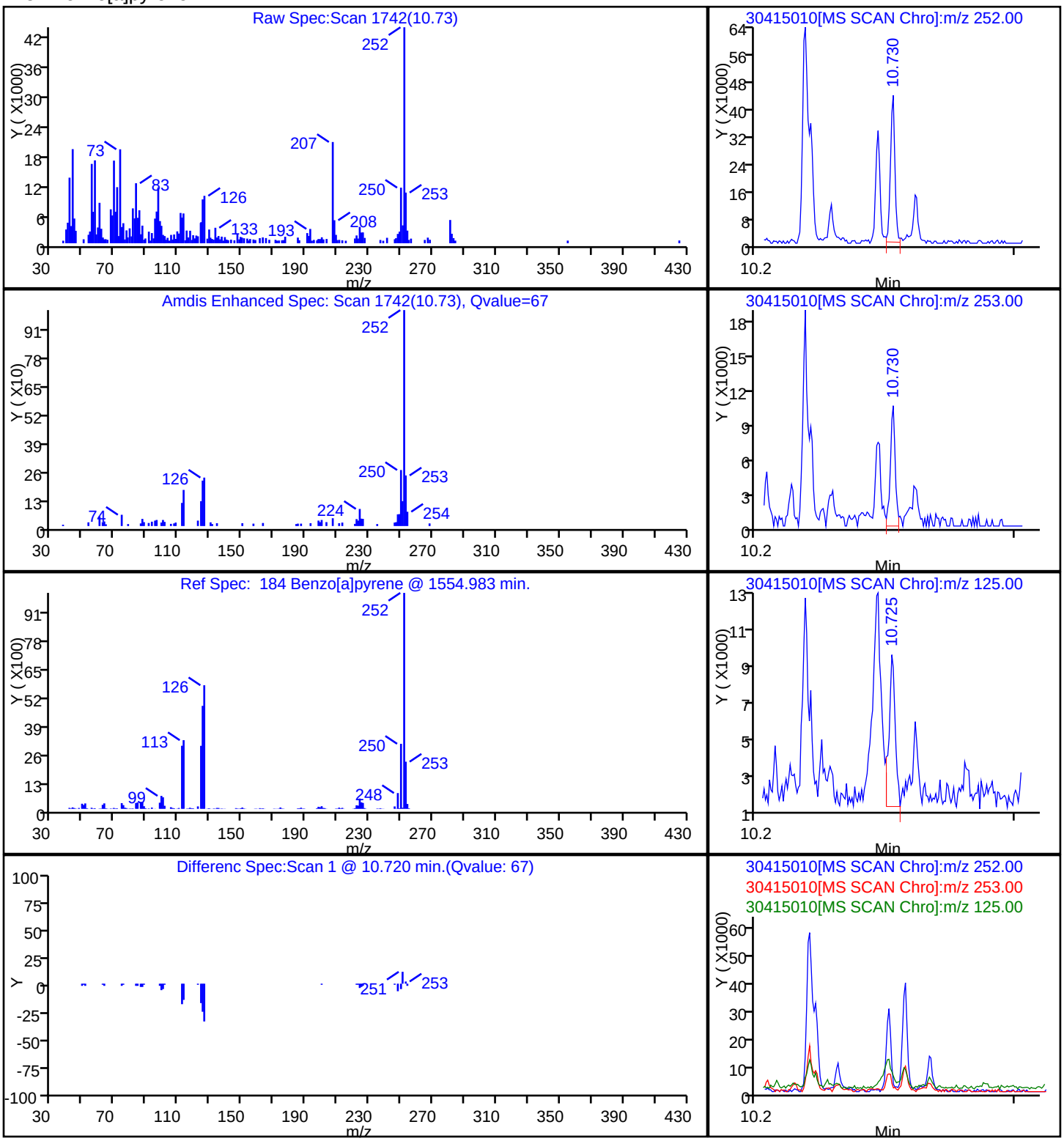
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



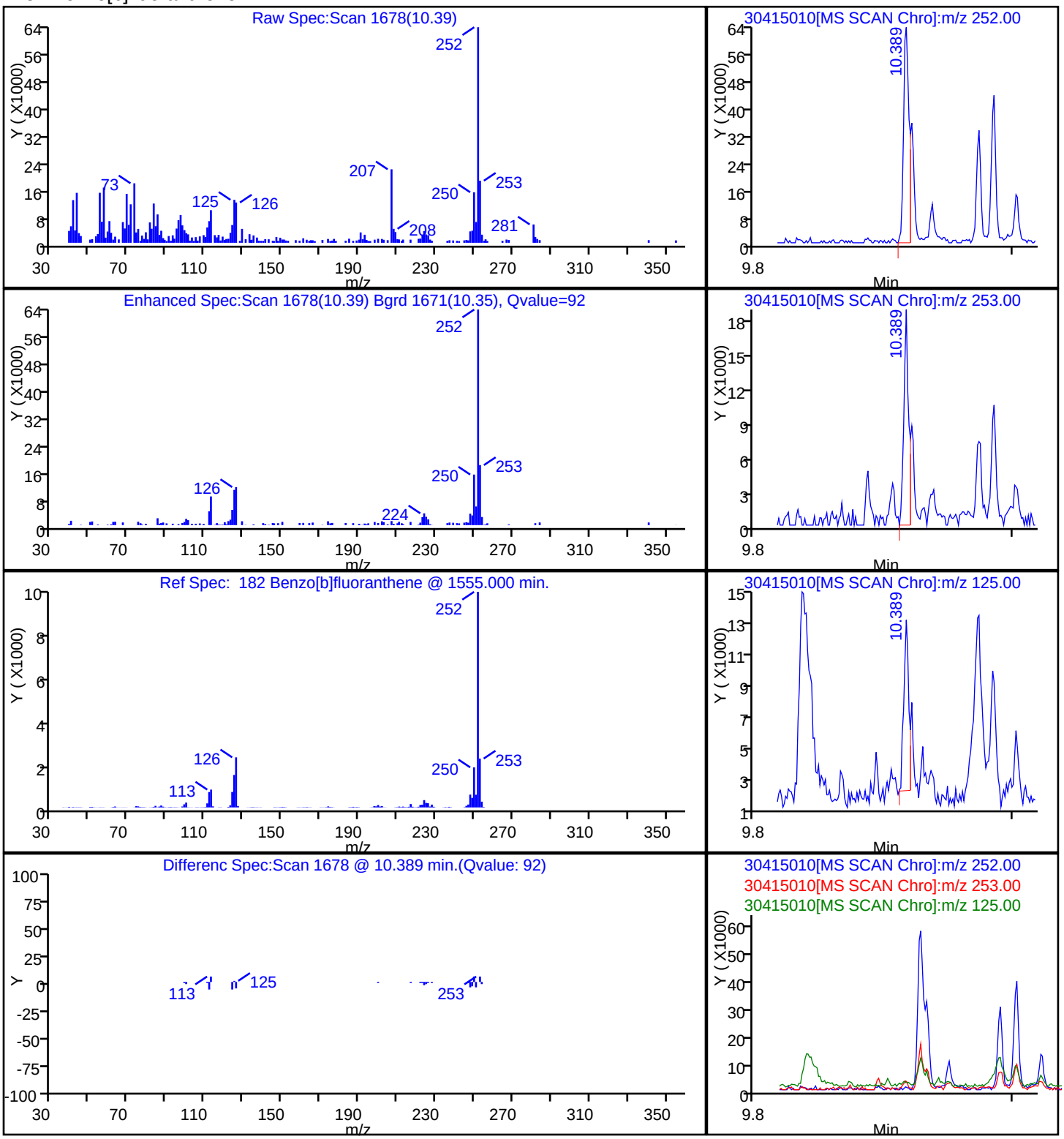
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



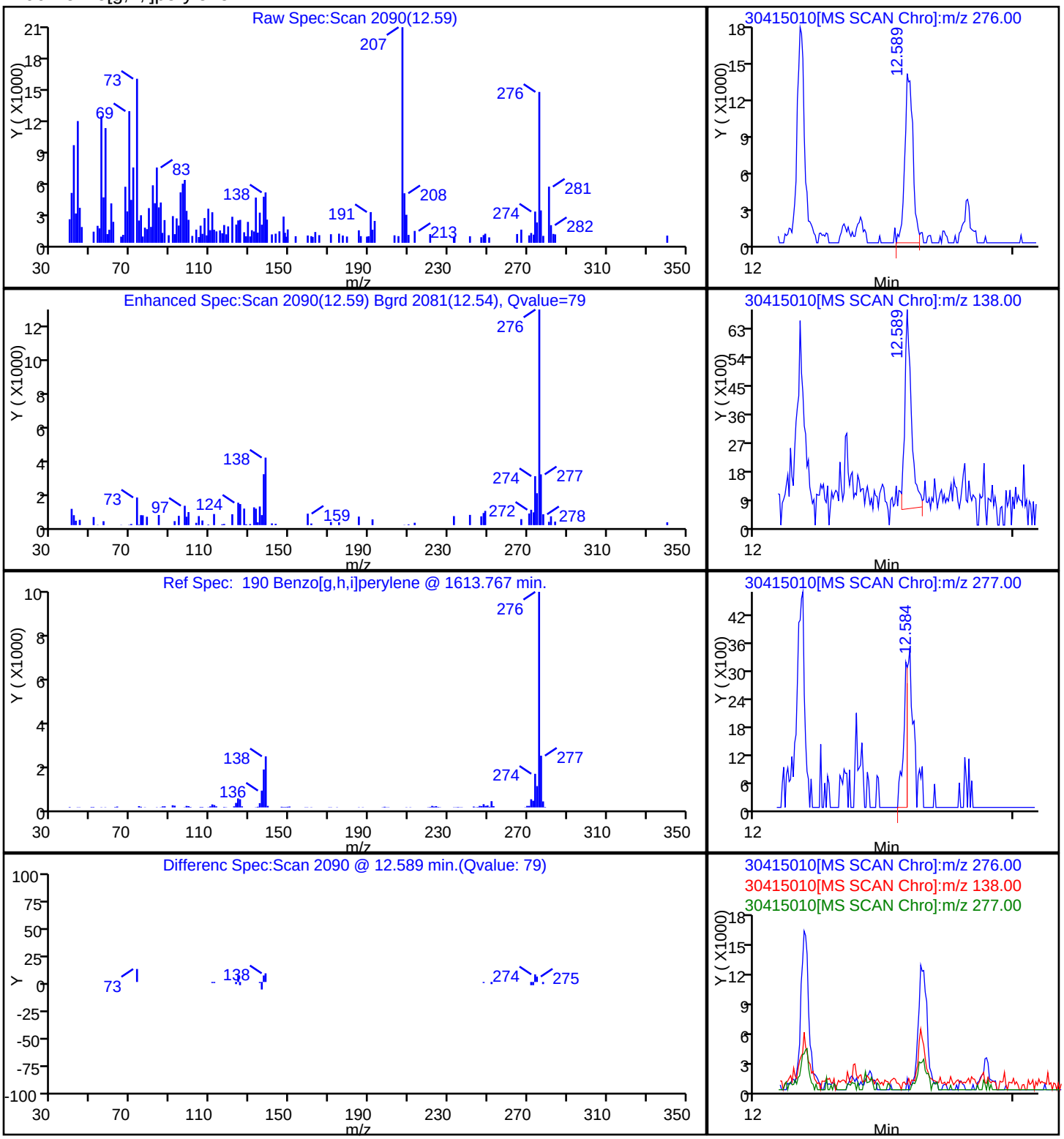
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



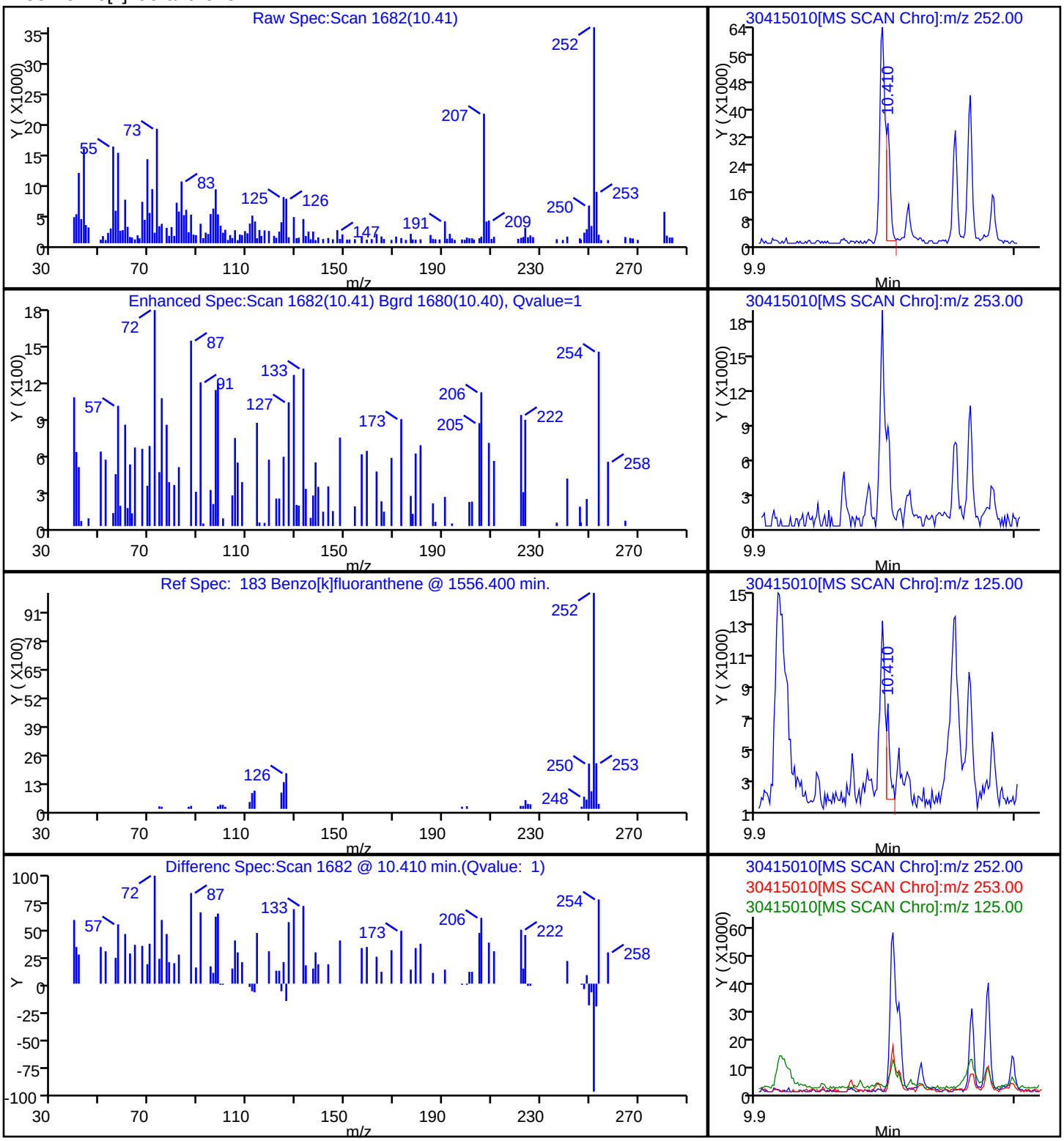
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



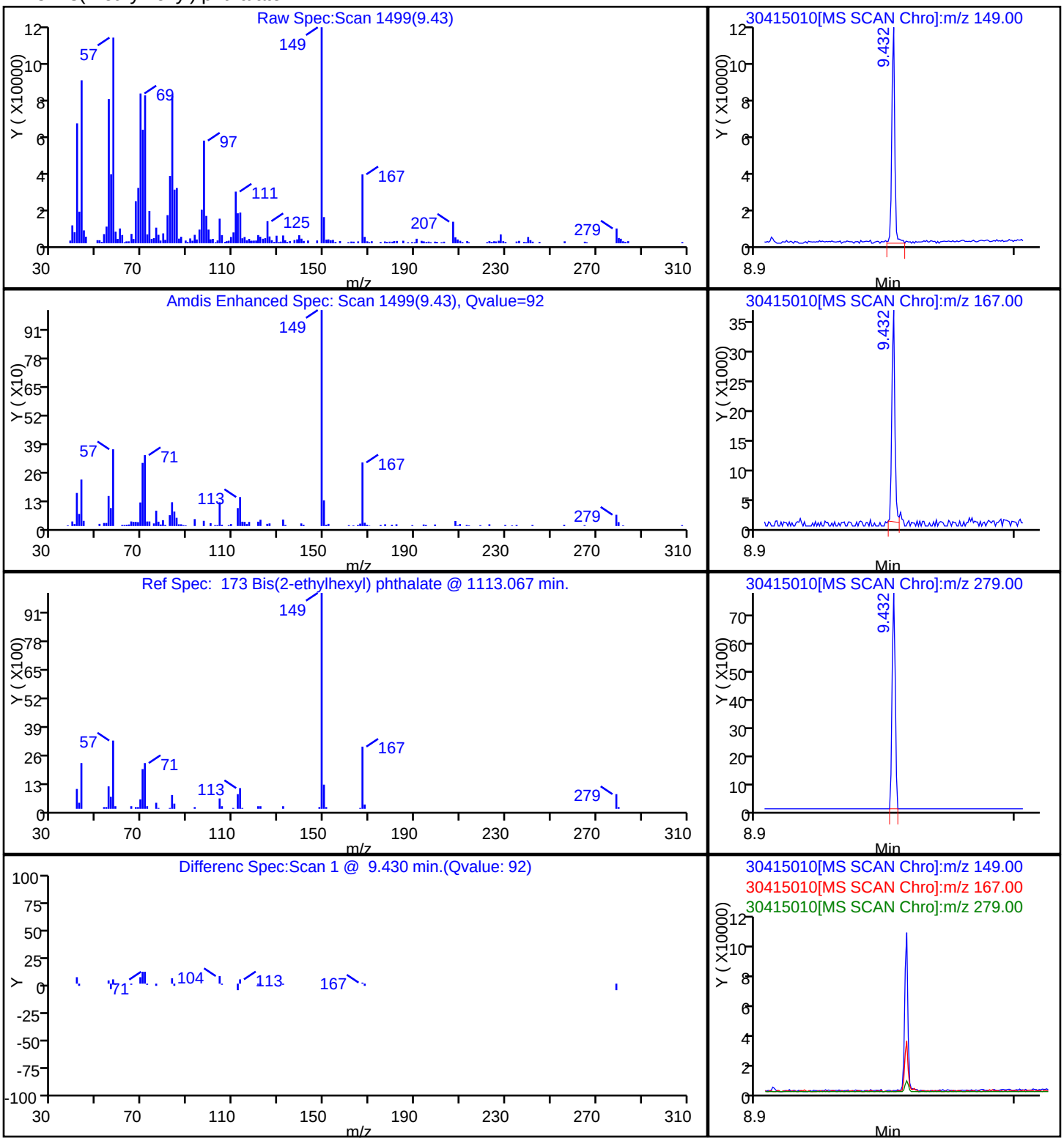
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



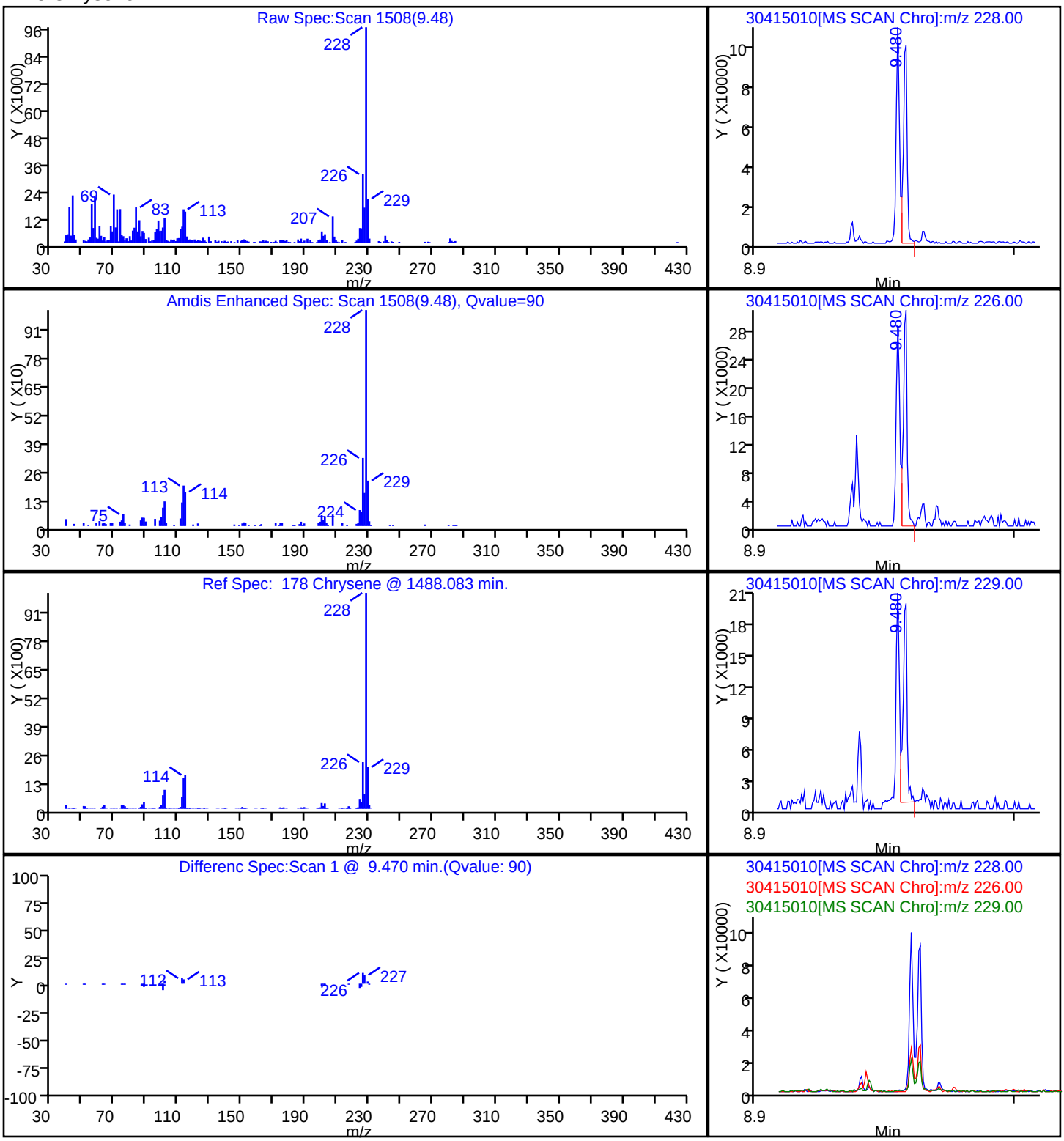
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



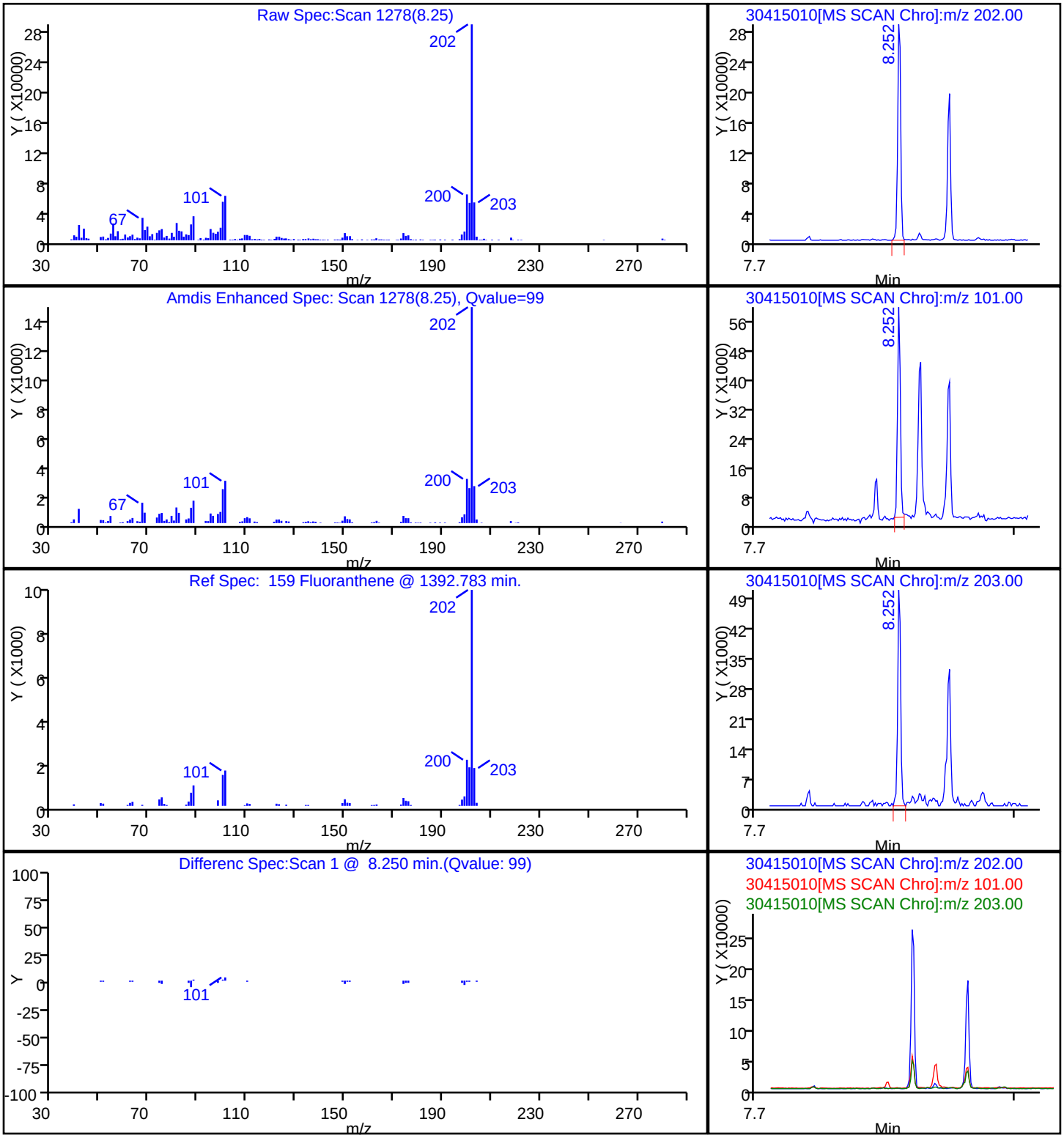
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



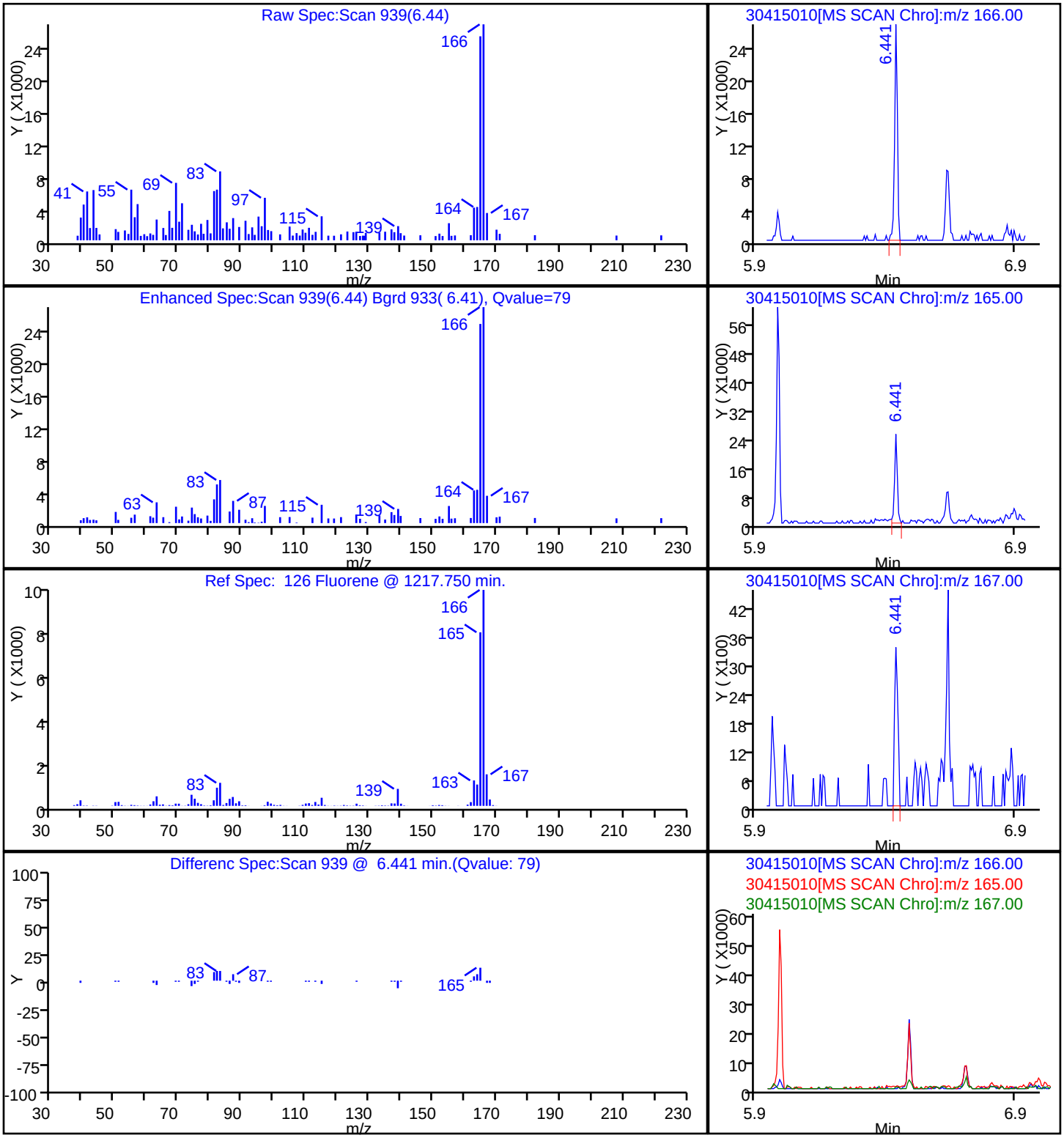
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene



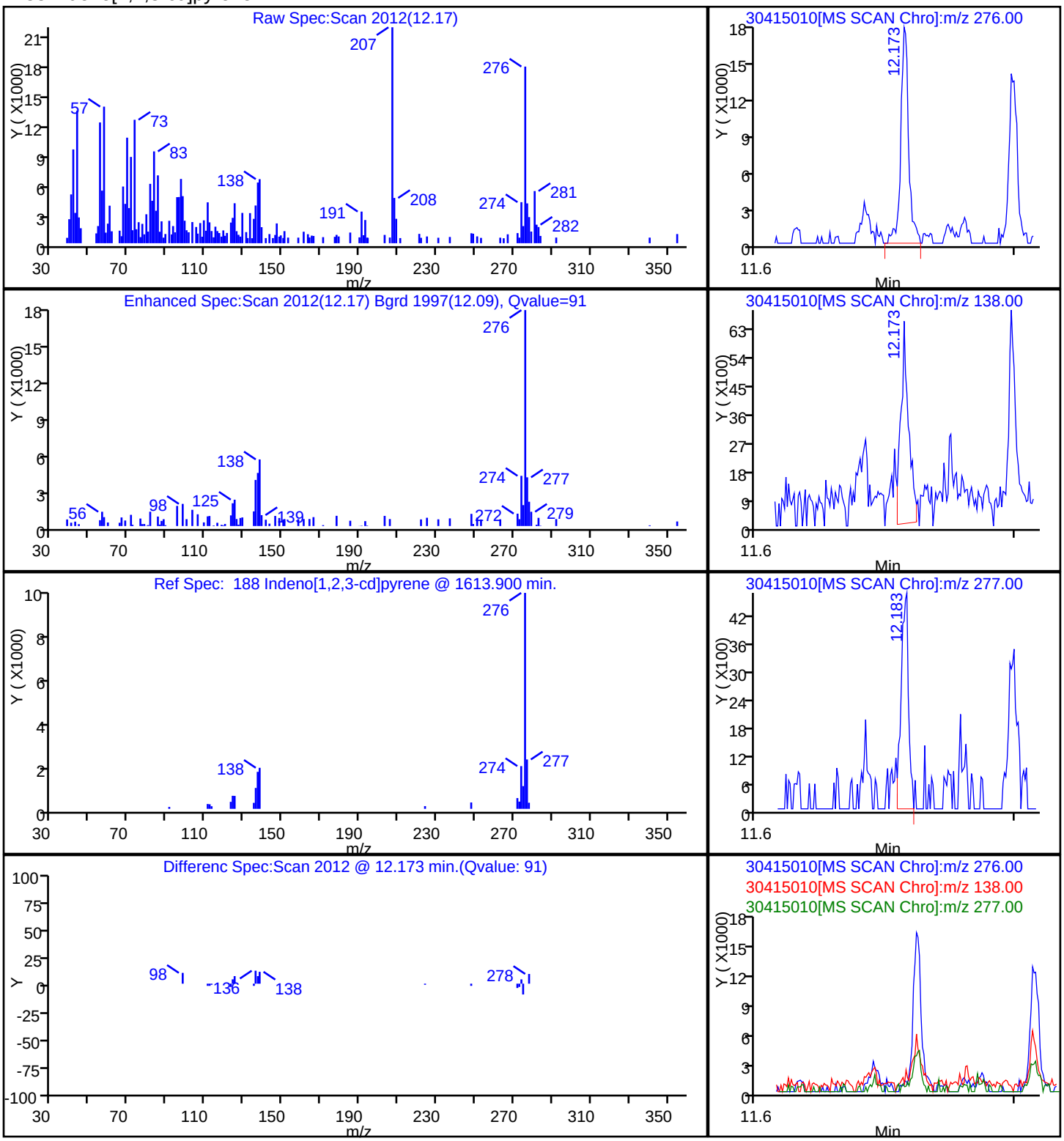
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



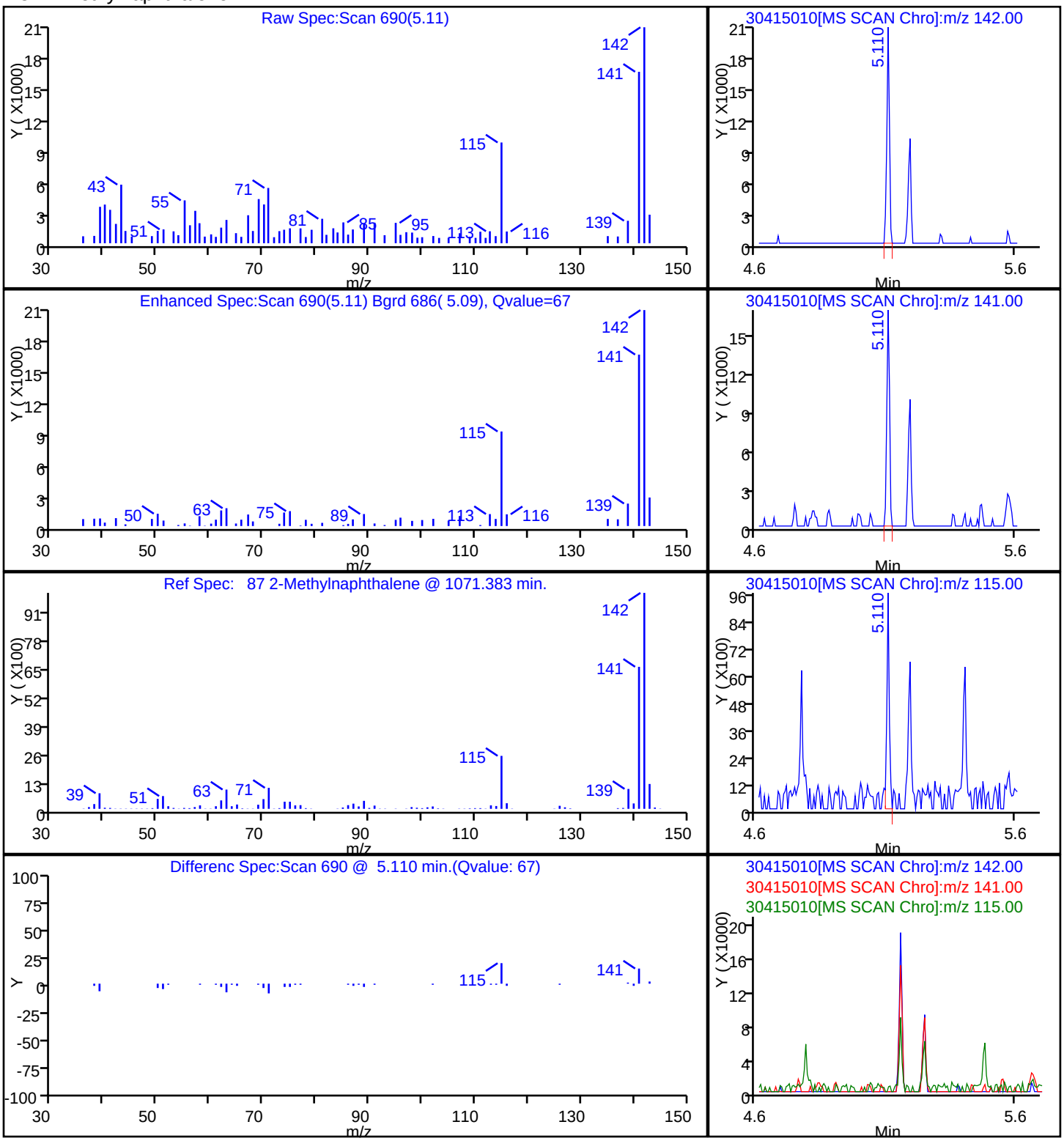
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



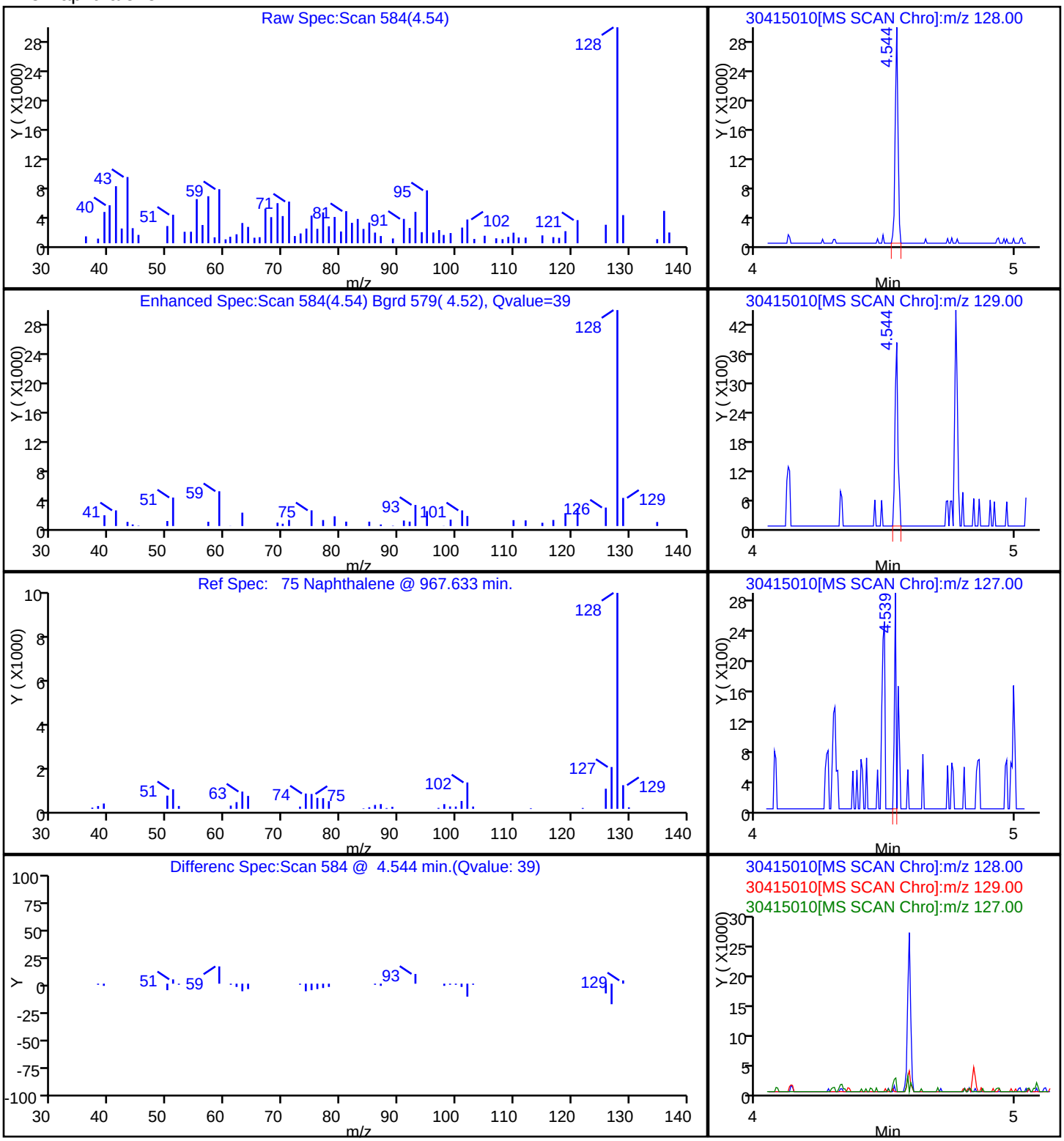
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



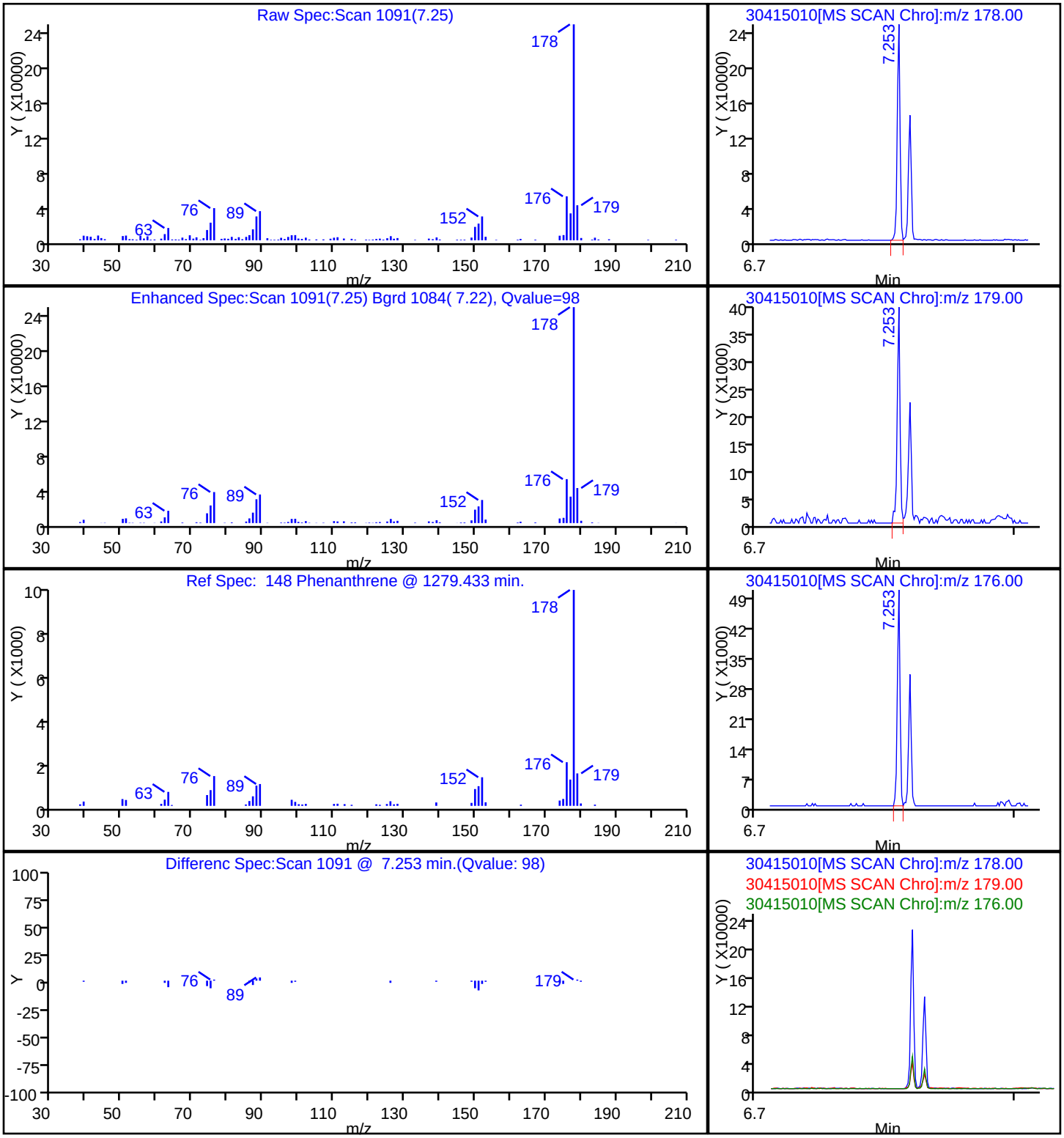
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



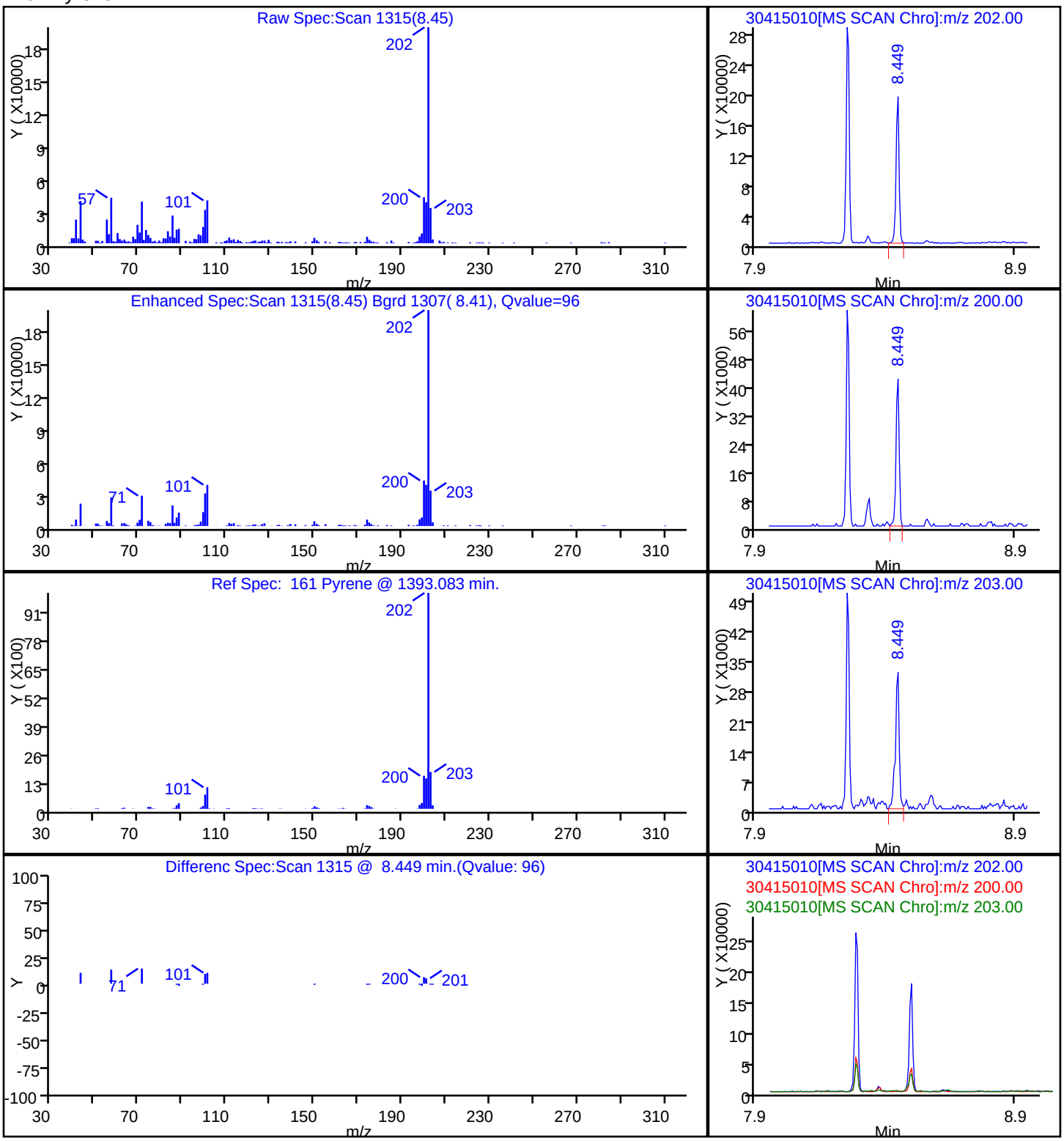
Report Date: 16-Apr-2013 10:48:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D

Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
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

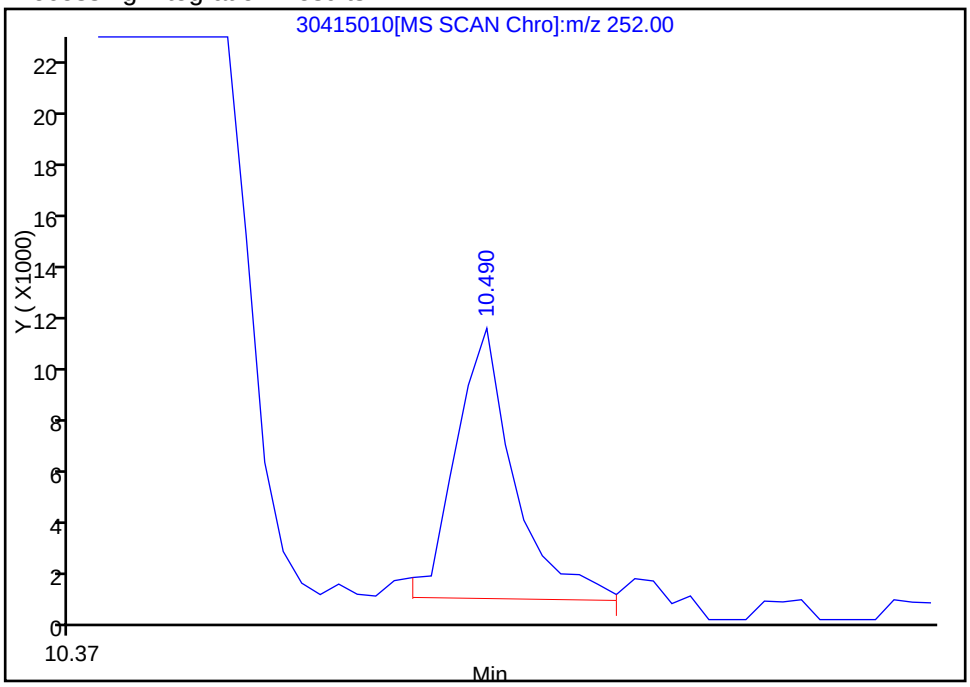
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D		
Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
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: 10.42

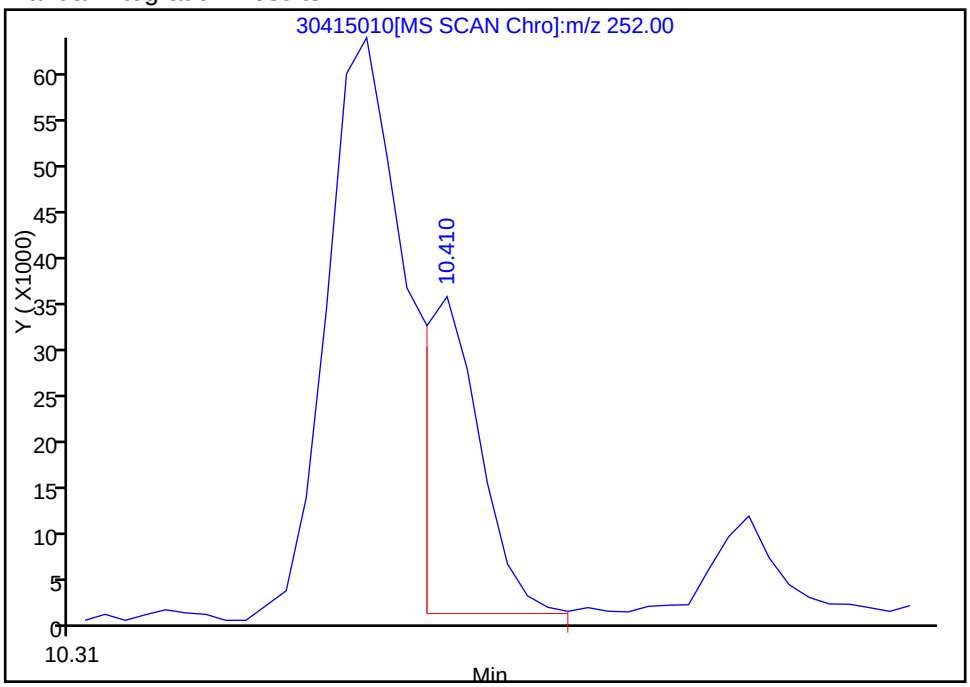
Processing Integration Results

RT: 10.49
Response: 12486
Amount: 0.076677



Manual Integration Results

RT: 10.41
Response: 37032
Amount: 0.227416



Reviewer: ulmanm, 16-Apr-2013 08:49:07
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

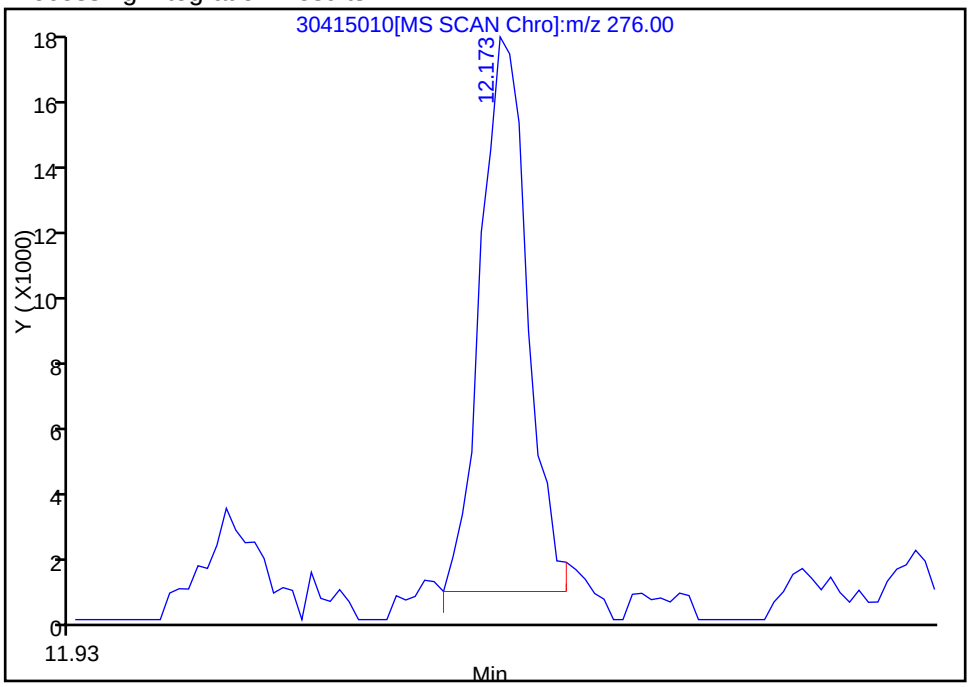
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415010.D		
Injection Date:	15-Apr-2013 12:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	10
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: 12.19

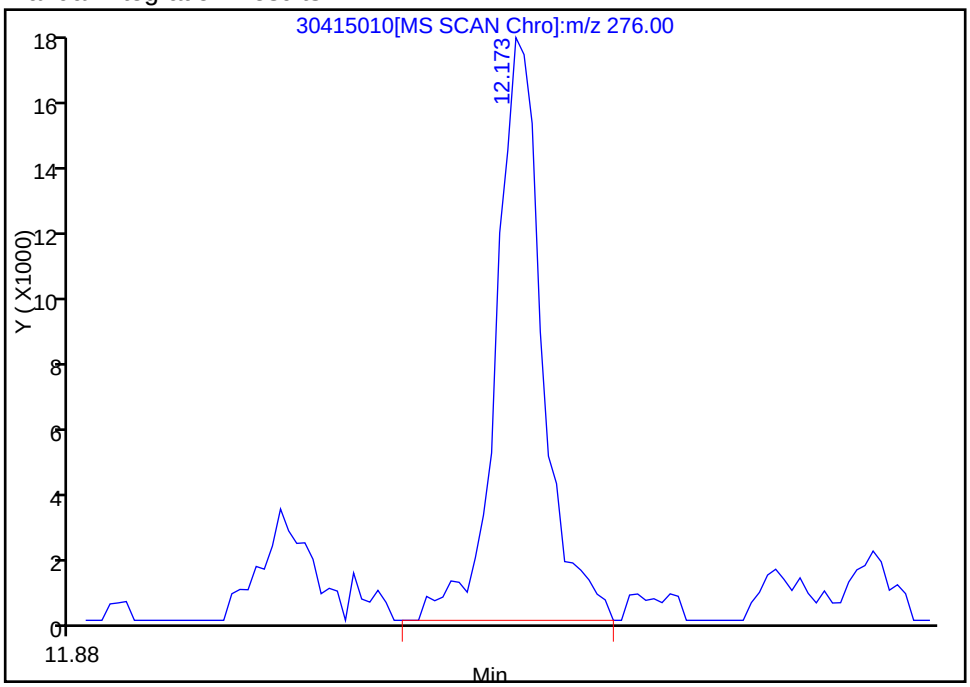
Processing Integration Results

RT: 12.17
Response: 31235
Amount: 0.200345



Manual Integration Results

RT: 12.17
Response: 37866
Amount: 0.242877



Reviewer: ulmanm, 16-Apr-2013 08:49:07
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: 30415011.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:52

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.22(g) | Date Analyzed: 04/15/2013 13:03

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	4.1	J	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.9	J	6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U M	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	24	J	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	9.9
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	3.4	J	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	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	9.6
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	79	U	99	79	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	79	U	150	79	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: 30415011.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:52

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.22(g) | Date Analyzed: 04/15/2013 13:03

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
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	50	27	27
206-44-0	Fluoranthene	6.1	J	6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	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	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	11		6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	400	79	20
91-20-3	Naphthalene	9.5		6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
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	79	U	150	79	79
85-01-8	Phenanthrene	7.5		6.6	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.9	J	6.6	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	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: 30415011.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:52

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.22(g) | Date Analyzed: 04/15/2013 13:03

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		45-105
367-12-4	2-Fluorophenol (Surr)	62	M	35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	65		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D
Lims ID: 240-22488-G-7-E Client ID: 079SB-0132M-0001-SO
Inject. Date: 15-Apr-2013 13:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018860-011
Misc. Info.: 240-22488-G-7-E =240-22488-G-7-E
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 81882 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:51:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.525	3.517	0.008	91	121590	4.00	
* 2 Naphthalene-d8	136	4.524	4.527	-0.003	98	542247	4.00	
* 3 Acenaphthene-d10	164	5.983	5.985	-0.002	77	321724	4.00	
* 4 Phenanthrene-d10	188	7.233	7.235	-0.002	96	562294	4.00	
* 5 Chrysene-d12	240	9.455	9.463	-0.008	76	592281	4.00	
* 6 Perylene-d12	264	10.791	10.793	-0.002	93	505159	4.00	
$ 7 2-Fluorophenol	112	2.692	2.555	0.137	95	490919	9.27	M
$ 8 Phenol-d5	99	3.226	3.202	0.024	93	724603	9.79	
$ 9 Nitrobenzene-d5	82	3.947	3.944	0.003	86	456828	5.43	
$ 10 2-Fluorobiphenyl (Surr)	172	5.406	5.408	-0.002	99	542155	5.96	
$ 11 2,4,6-Tribromophenol	330	6.645	6.647	-0.002	88	99096	9.60	
$ 12 Terphenyl-d14	244	8.563	8.565	-0.002	98	598276	5.36	
43 Phenol	94		3.212					9
69 Bis(2-chloroethyl)ether	93		3.293					9
46 2-Chlorophenol	128		3.357					
47 1,3-Dichlorobenzene	146		3.474					9
48 1,4-Dichlorobenzene	146	3.541	3.528	0.013	13	6008	0.1387	
49 Benzyl alcohol	108		3.608					
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					9
53 2,2'-oxybis[1-chloropropane]	45		3.704					9
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					9
61 Hexachloroethane	117		3.918					9
62 Nitrobenzene	77		3.960					
64 Isophorone	82	4.140	4.147	-0.007	79	19345	0.1419	
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					9
70 Bis(2-chloroethoxy)methane	93		4.302					9
71 Benzoic acid	122	4.252	4.313	-0.061	61	6592	0.2157	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.404					9
74 1,2,4-Trichlorobenzene	180		4.473					
75 Naphthalene	128	4.540	4.548	-0.008	71	18790	0.1432	
76 4-Chloroaniline	127		4.575					9
79 Hexachlorobutadiene	225		4.633					
86 4-Chloro-3-methylphenol	107		4.970					9
87 2-Methylnaphthalene	142	5.107	5.114	-0.007	55	13256	0.1606	
89 Hexachlorocyclopentadiene	237		5.242					
92 2,4,6-Trichlorophenol	196		5.339					
93 2,4,5-Trichlorophenol	196		5.376					
100 2-Chloronaphthalene	162		5.520					9
102 2-Nitroaniline	65		5.595					
105 Dimethyl phthalate	163		5.739					9
107 2,6-Dinitrotoluene	165		5.793					9
109 Acenaphthylene	152		5.867					9
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					9
116 Dibenzofuran	168		6.156					9
121 Diethyl phthalate	149		6.332					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					
125 4-Nitroaniline	138		6.450					
128 4,6-Dinitro-2-methylphenol	198		6.476					
131 N-Nitrosodiphenylamine	169		6.535					9
139 4-Bromophenyl phenyl ether	248		6.850					
141 Hexachlorobenzene	284		6.909					
143 Pentachlorophenol	266		7.069					
148 Phenanthrene	178	7.254	7.256	-0.002	41	15853	0.1134	
149 Anthracene	178		7.299					9
151 Carbazole	167		7.427					9
154 Di-n-butyl phthalate	149		7.700					9
159 Fluoranthene	202	8.253	8.255	-0.002	90	13943	0.0929	
161 Pyrene	202	8.446	8.453	-0.007	76	9373	0.0593	
168 Butyl benzyl phthalate	149		8.961					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149	9.429	9.431	-0.003	90	36153	0.3622	
177 Benzo[a]anthracene	228	9.450	9.452	-0.002	40	9244	0.0615	
178 Chrysene	228	9.477	9.484	-0.007	54	7186	0.0508	
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.390	10.392	-0.002	67	8261	0.0583	
183 Benzo[k]fluoranthene	252		10.419					
184 Benzo[a]pyrene	252		10.739					
188 Indeno[1,2,3-cd]pyrene	276		12.193					9
189 Dibenz(a,h)anthracene	278		12.209					9
190 Benzo[g,h,i]perylene	276		12.620					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

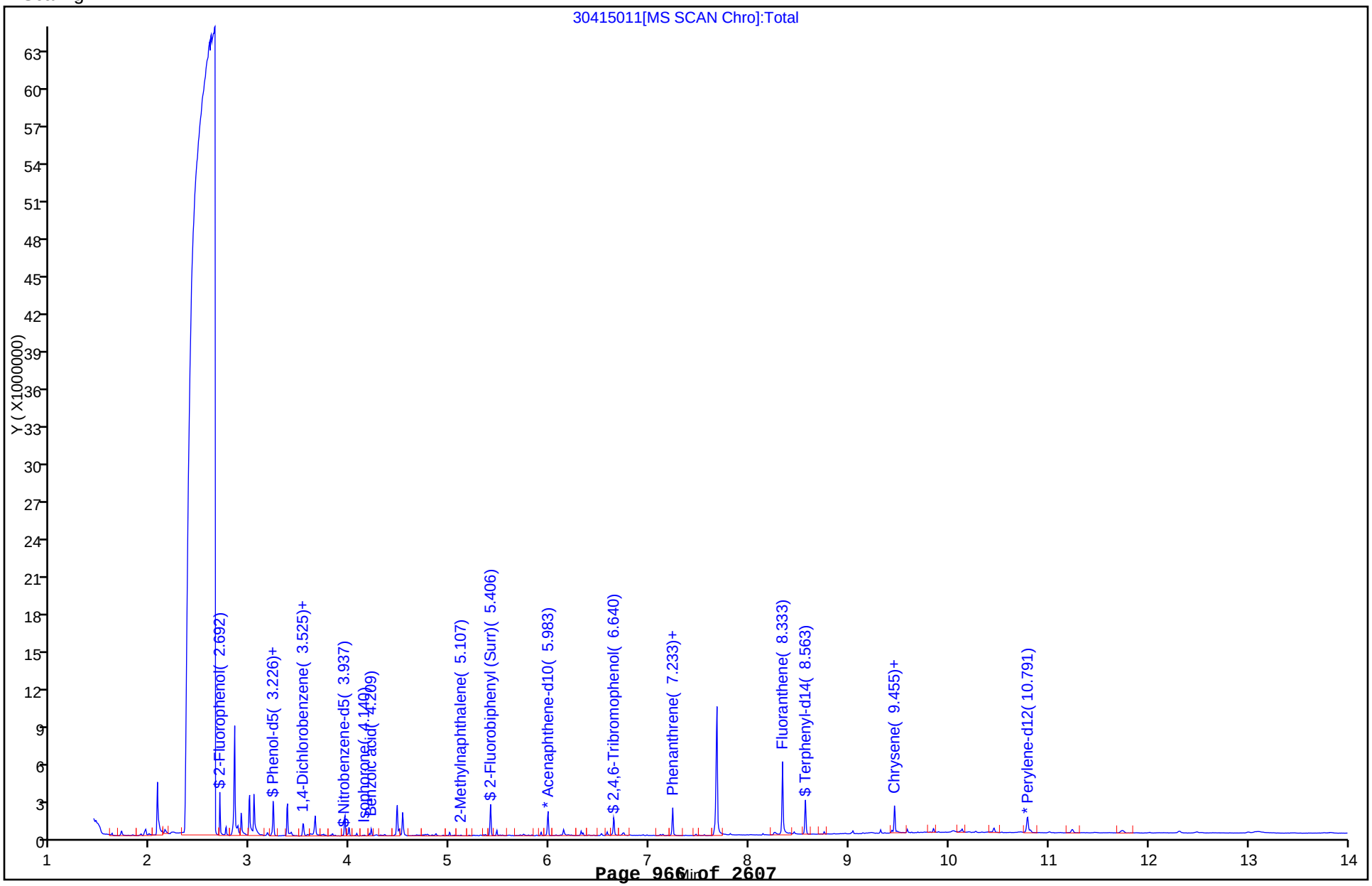
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



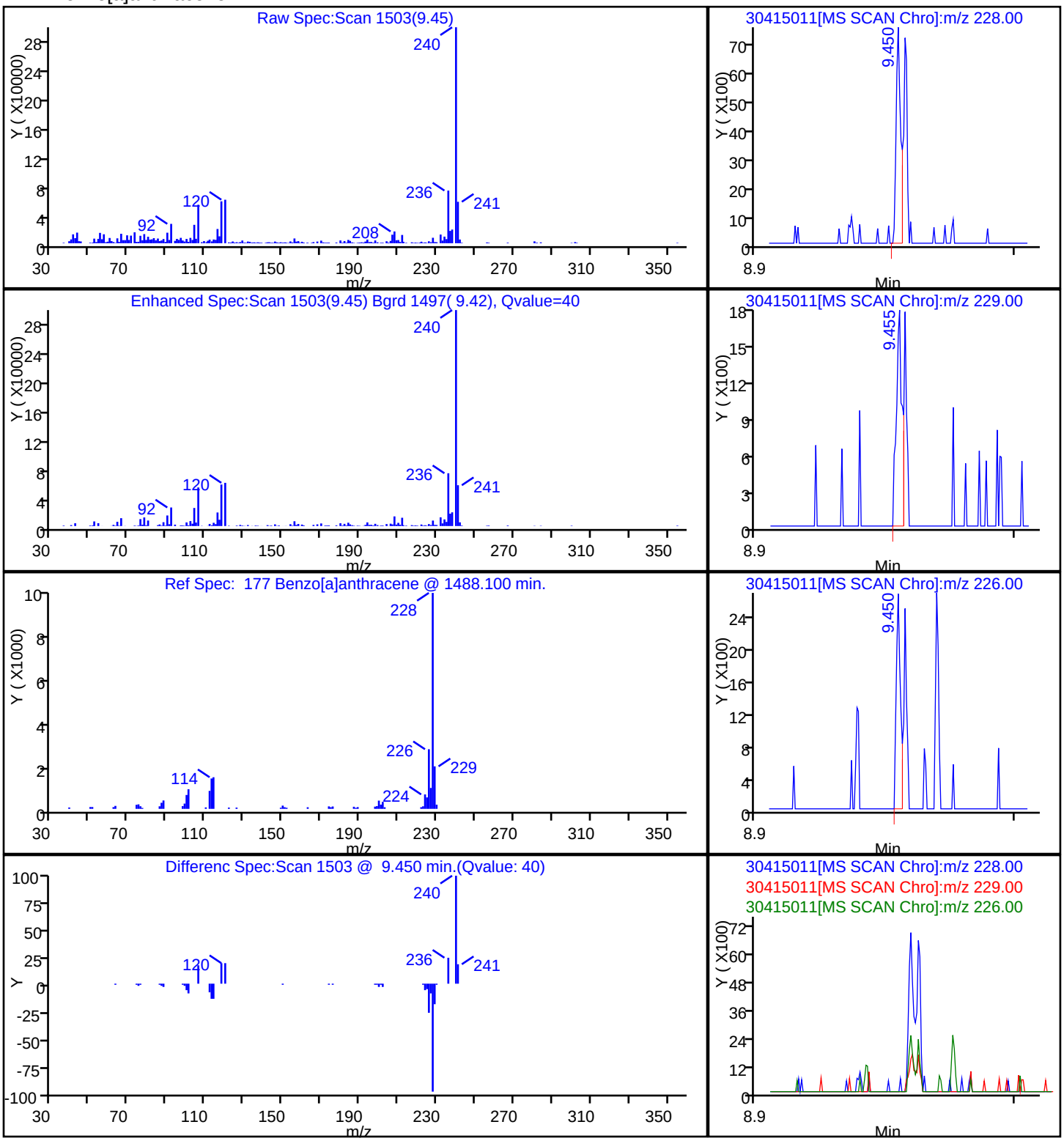
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



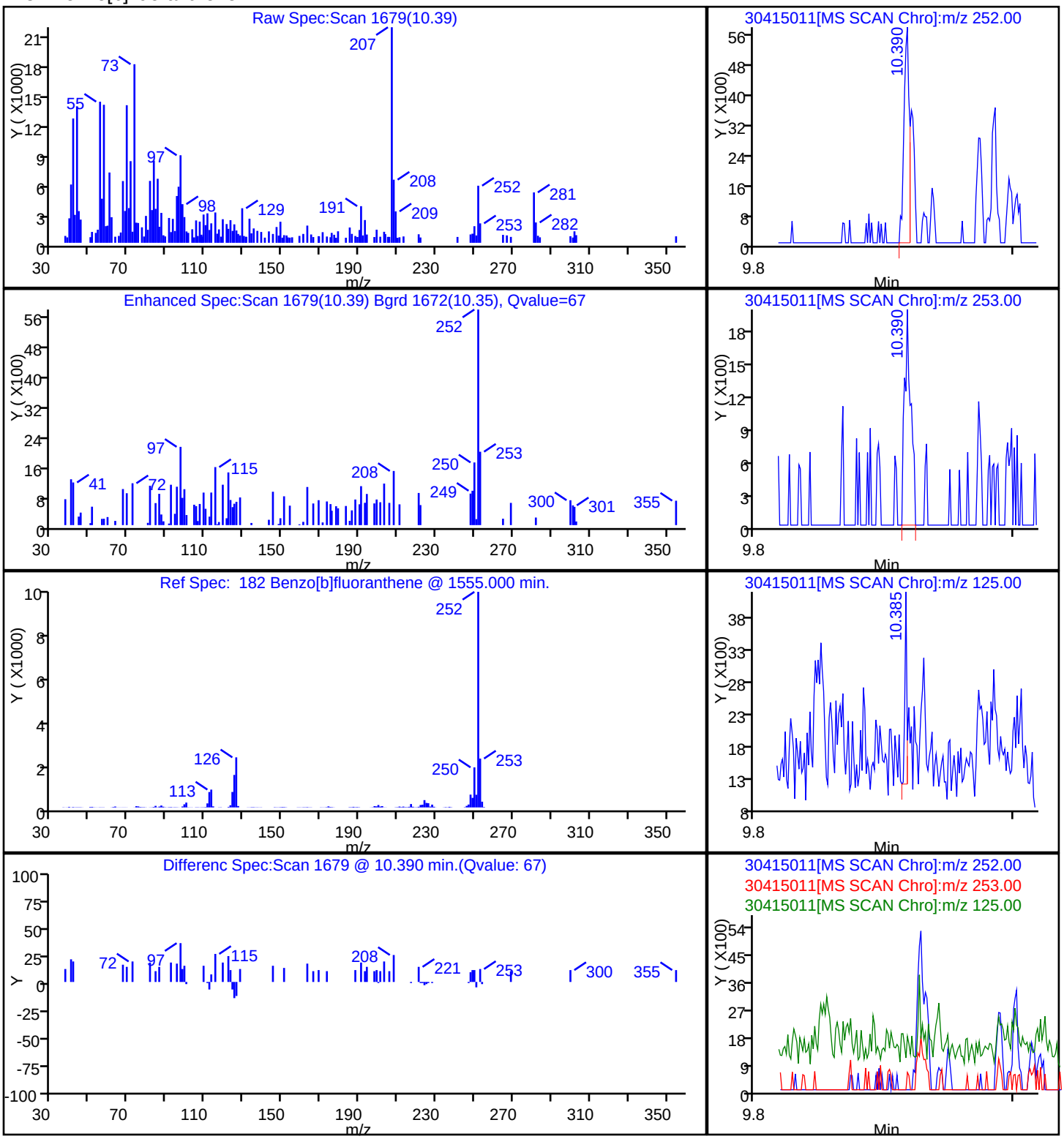
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



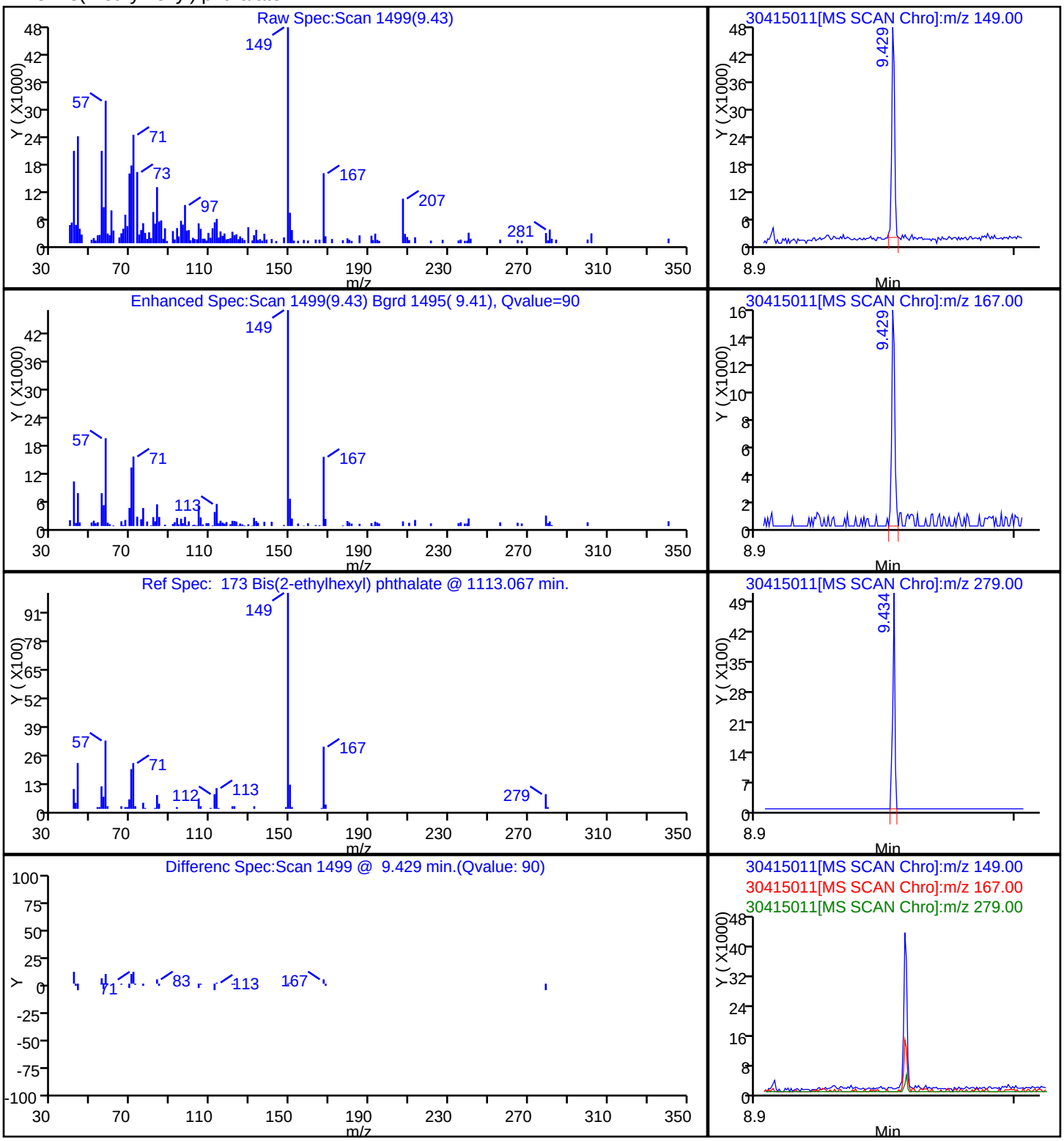
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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



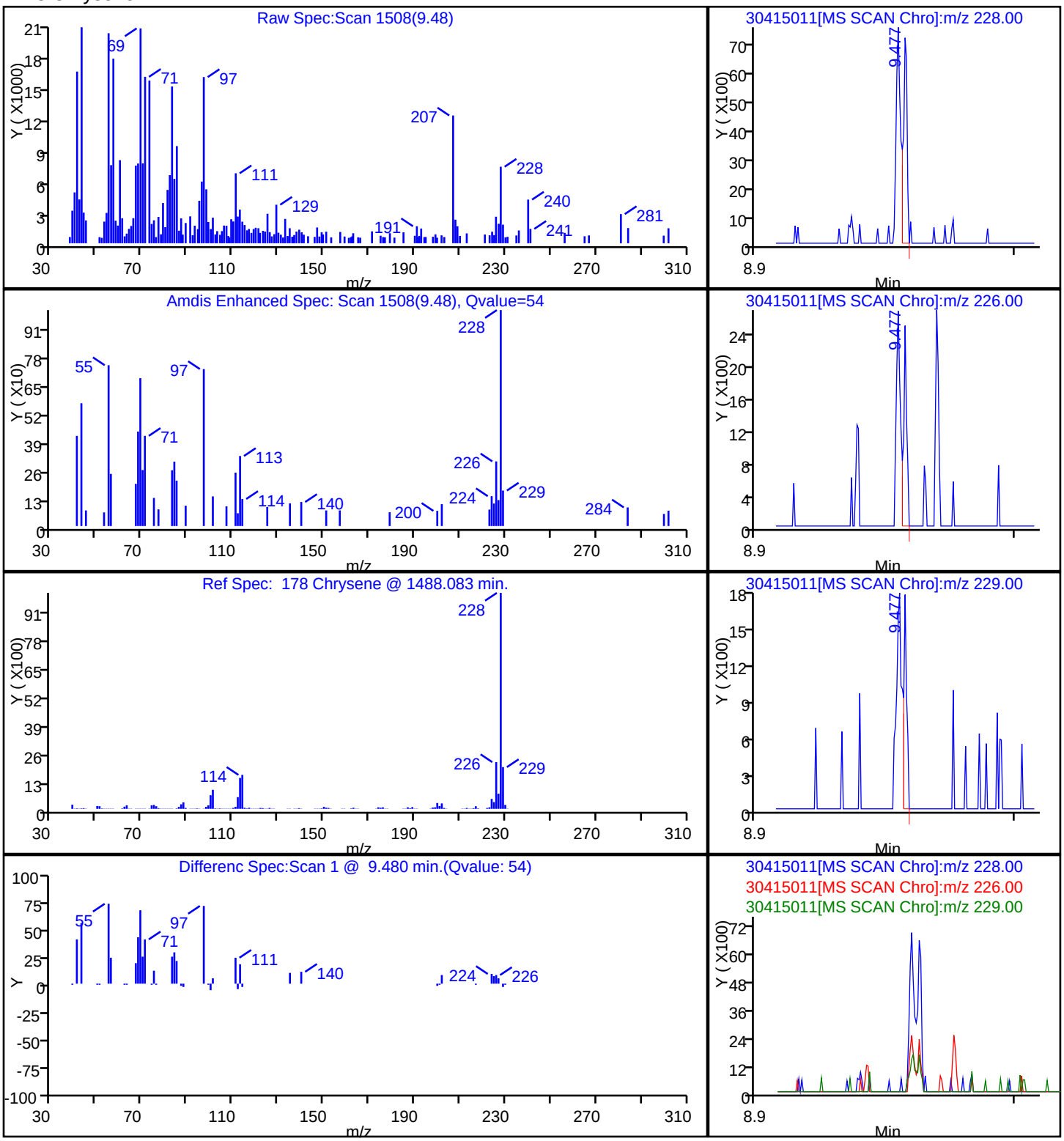
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



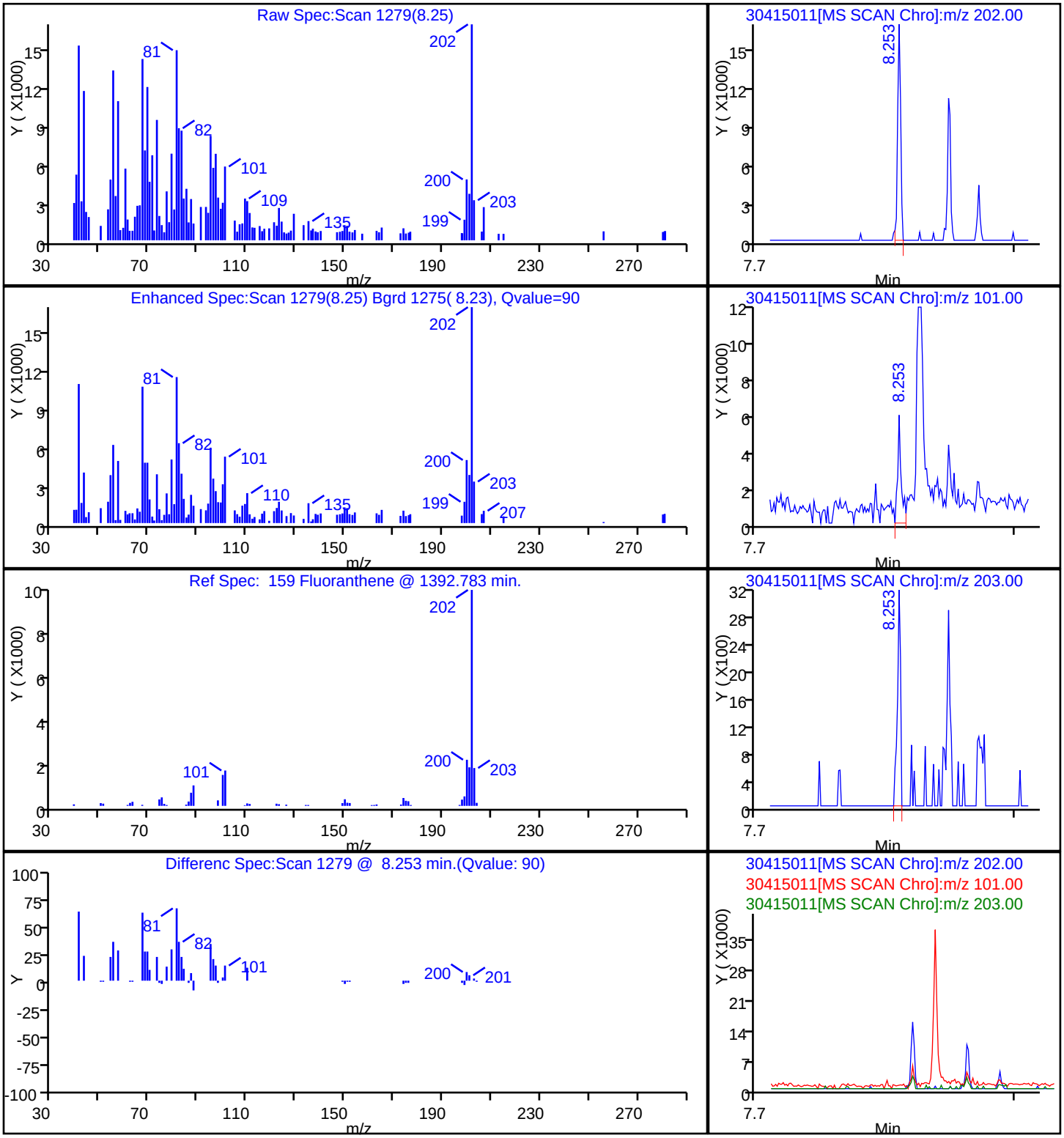
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



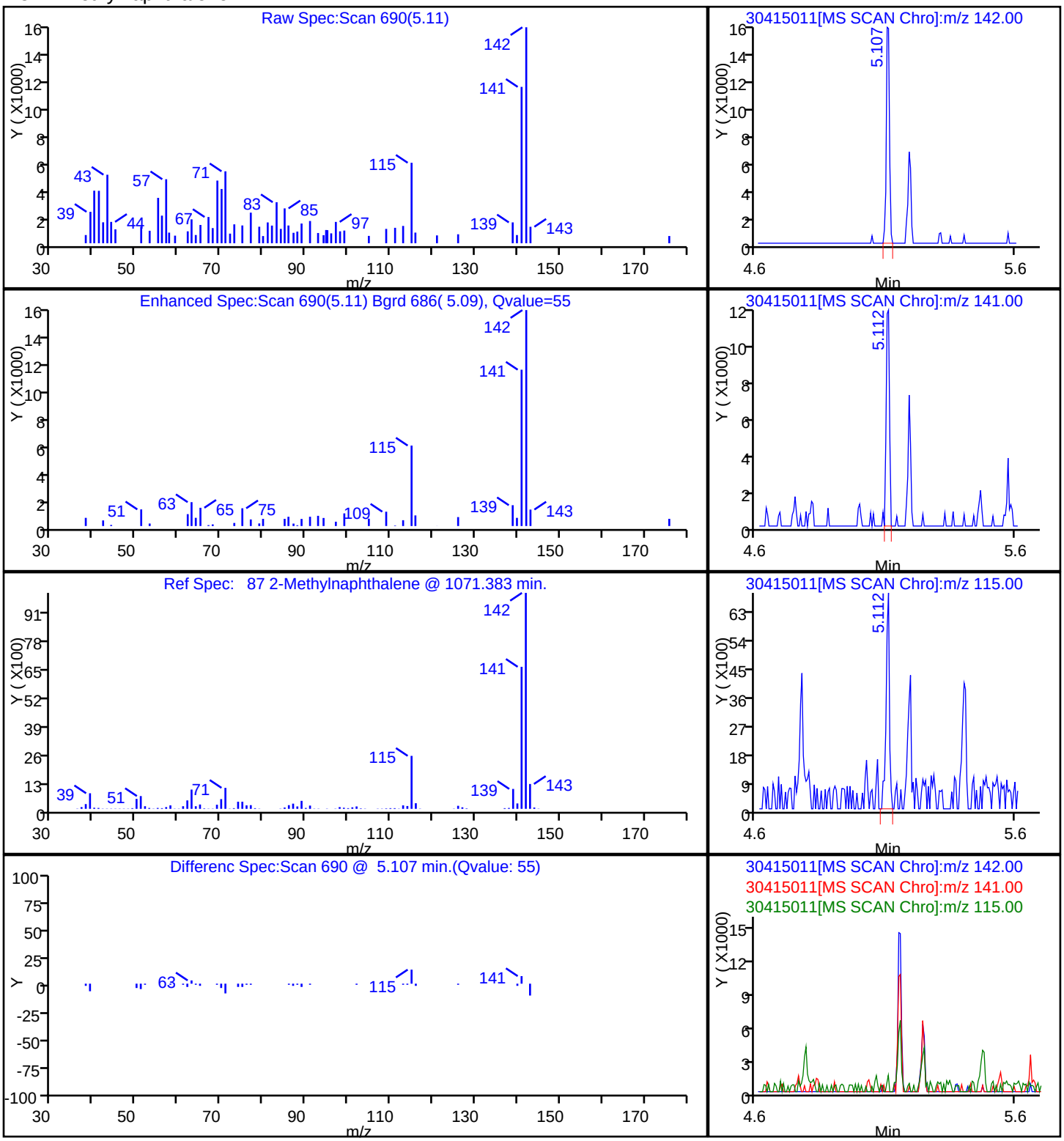
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



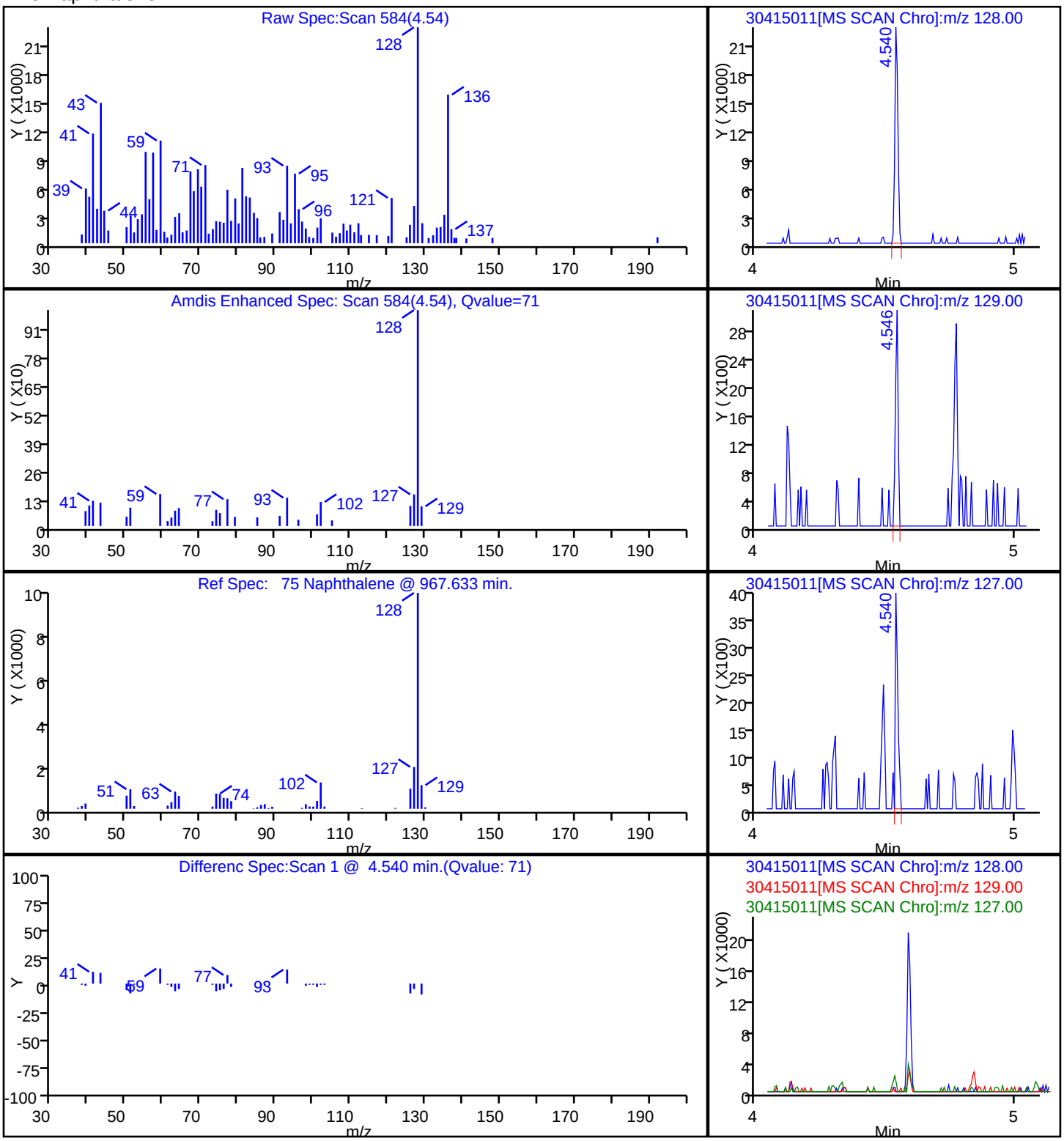
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



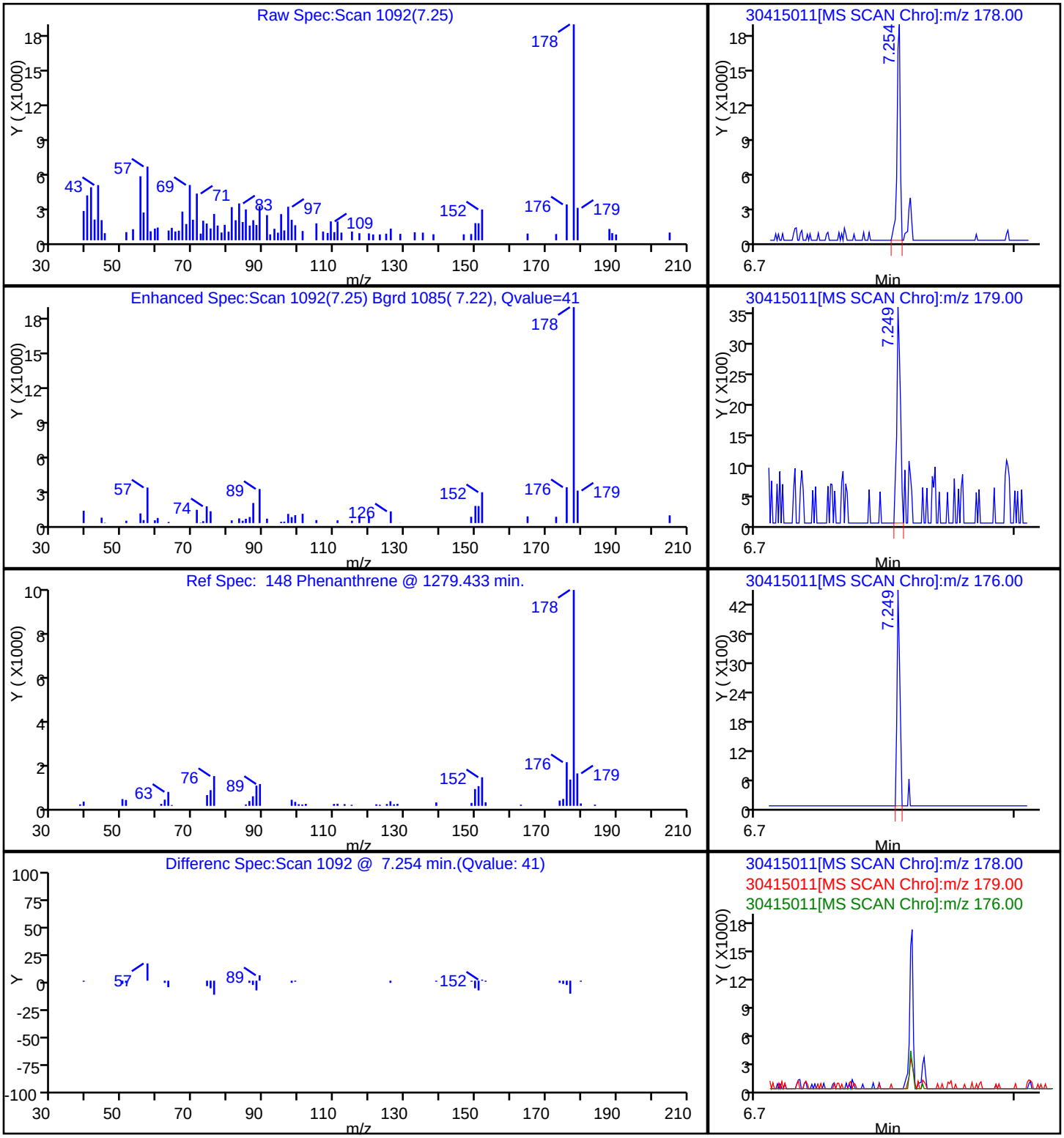
Report Date: 16-Apr-2013 10:48:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



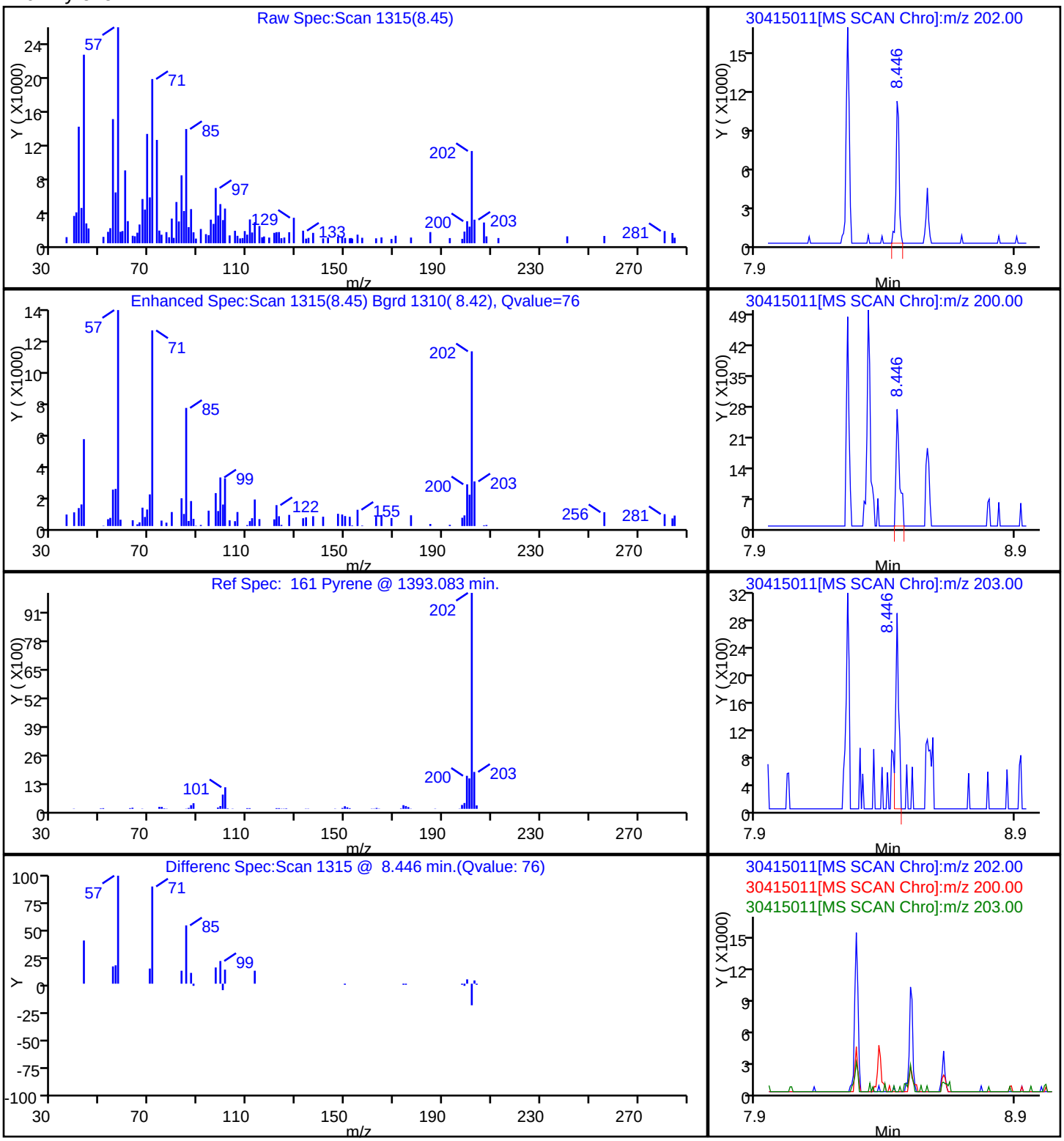
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D

Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
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

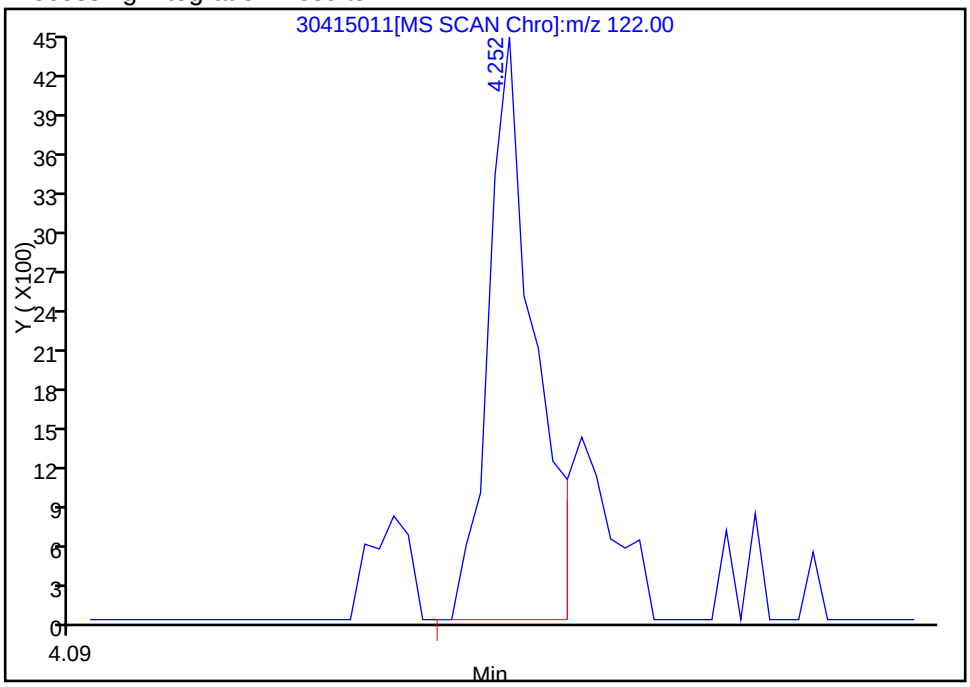
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D		
Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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: 4.31

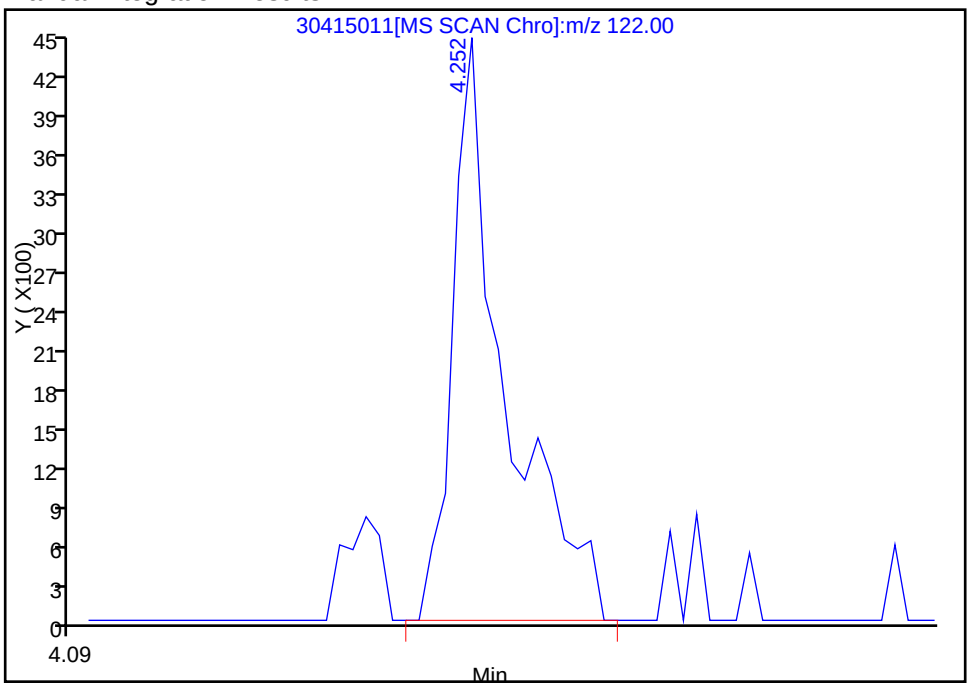
Processing Integration Results

RT: 4.25
Response: 5218
Amount: 0.170745



Manual Integration Results

RT: 4.25
Response: 6592
Amount: 0.215705



Reviewer: ulmanm, 16-Apr-2013 08:51:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

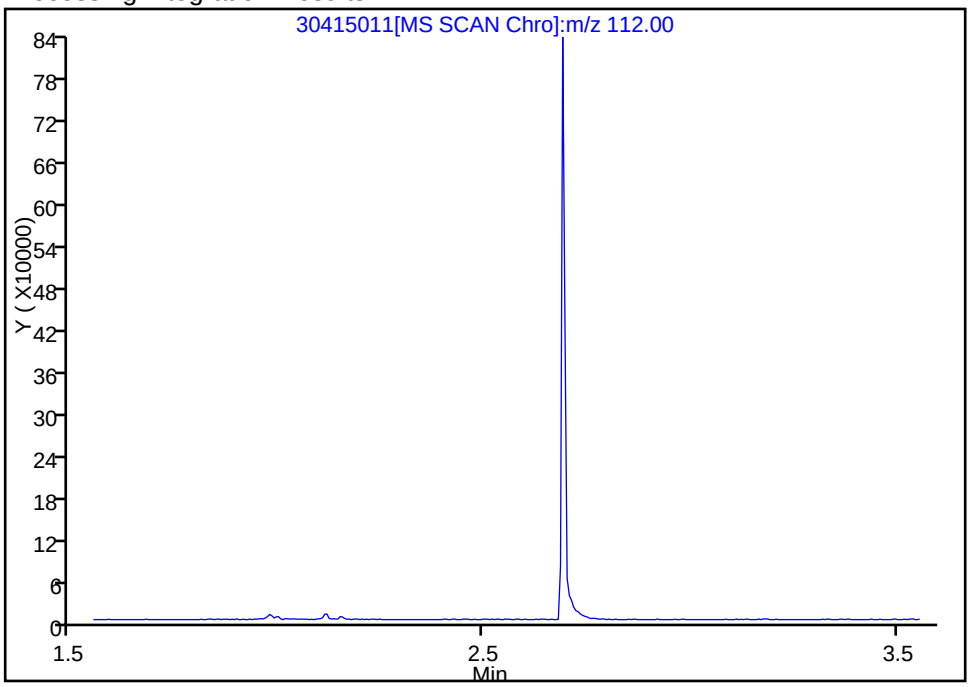
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415011.D		
Injection Date:	15-Apr-2013 13:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 2.56

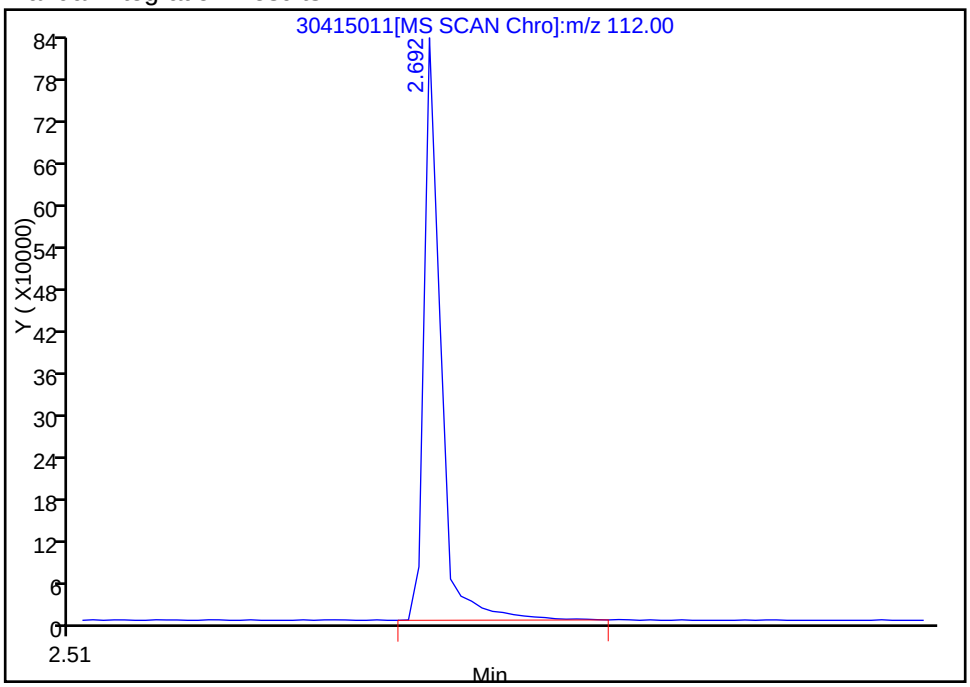
Processing Integration Results

Not Detected
Expected RT: 2.56



Manual Integration Results

RT: 2.69
Response: 490919
Amount: 9.269131



Reviewer: ulmanm, 16-Apr-2013 08:51:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: 30415012.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:31

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.96(g) | Date Analyzed: 04/15/2013 13:23

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.: 81882 | 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	3.8	J	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	20		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	18		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	30		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	12		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	9.3	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	69		50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	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	23		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	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: 30415012.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:31

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.96(g) | Date Analyzed: 04/15/2013 13:23

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.: 81882 | 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	50	27	27
206-44-0	Fluoranthene	42		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	12		6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	11		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	12		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	22		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	32		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.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: 30415012.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:31

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.96(g) | Date Analyzed: 04/15/2013 13:23

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	55		35-100
4165-62-2	Phenol-d5 (Surr)	64		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67	M	35-125

Report Date: 16-Apr-2013 10:48:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415012.D
Lims ID: 240-22488-G-11-E Client ID: 079SB-0136M-0001-SO
Inject. Date: 15-Apr-2013 13:23:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018860-012
Misc. Info.: 240-22488-G-11-E =240-22488-G-11-E
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 81882 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:53:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.531	3.517	0.014	92	141069	4.00	
* 2 Naphthalene-d8	136	4.530	4.527	0.003	98	614291	4.00	
* 3 Acenaphthene-d10	164	5.983	5.985	-0.002	87	381186	4.00	
* 4 Phenanthrene-d10	188	7.233	7.235	-0.002	97	660811	4.00	
* 5 Chrysene-d12	240	9.455	9.463	-0.008	80	687417	4.00	
* 6 Perylene-d12	264	10.791	10.793	-0.002	97	597081	4.00	
$ 7 2-Fluorophenol	112	2.719	2.555	0.164	94	575405	9.36	
$ 8 Phenol-d5	99	3.232	3.202	0.030	89	830301	9.67	
$ 9 Nitrobenzene-d5	82	3.947	3.944	0.003	85	528596	5.55	
$ 10 2-Fluorobiphenyl (Surr)	172	5.411	5.408	0.003	99	629637	5.84	
$ 11 2,4,6-Tribromophenol	330	6.645	6.647	-0.002	84	123053	10.1	M
$ 12 Terphenyl-d14	244	8.563	8.565	-0.002	98	699838	5.40	
43 Phenol	94		3.212					9
69 Bis(2-chloroethyl)ether	93		3.293					
46 2-Chlorophenol	128		3.357					
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146	3.541	3.528	0.013	57	8908	0.1773	
49 Benzyl alcohol	108		3.608					9
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					9
53 2,2'-oxybis[1-chloropropane]	45		3.704					
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					9
61 Hexachloroethane	117		3.918					
62 Nitrobenzene	77		3.960					9
64 Isophorone	82		4.147					
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					9
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122	4.252	4.313	-0.061	69	5238	0.1513	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.404					9
74 1,2,4-Trichlorobenzene	180		4.473					
75 Naphthalene	128	4.546	4.548	-0.002	87	25763	0.1733	
76 4-Chloroaniline	127		4.575					9
79 Hexachlorobutadiene	225		4.633					
86 4-Chloro-3-methylphenol	107		4.970					
87 2-Methylnaphthalene	142	5.112	5.114	-0.002	69	15558	0.1664	
89 Hexachlorocyclopentadiene	237		5.242					
92 2,4,6-Trichlorophenol	196		5.339					
93 2,4,5-Trichlorophenol	196		5.376					
100 2-Chloronaphthalene	162		5.520					9
102 2-Nitroaniline	65		5.595					
105 Dimethyl phthalate	163		5.739					9
107 2,6-Dinitrotoluene	165		5.793					
109 Acenaphthylene	152		5.867					9
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					9
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					
121 Diethyl phthalate	149		6.332					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					
125 4-Nitroaniline	138		6.450					
128 4,6-Dinitro-2-methylphenol	198		6.476					
131 N-Nitrosodiphenylamine	169		6.535					9
139 4-Bromophenyl phenyl ether	248		6.850					
141 Hexachlorobenzene	284		6.909					
143 Pentachlorophenol	266		7.069					
148 Phenanthrene	178	7.254	7.256	-0.002	86	53184	0.3236	
149 Anthracene	178	7.297	7.299	-0.002	69	9325	0.0564	
151 Carbazole	167		7.427					9
154 Di-n-butyl phthalate	149		7.700					
159 Fluoranthene	202	8.259	8.255	0.004	98	111764	0.6335	
161 Pyrene	202	8.451	8.453	-0.002	95	89043	0.4852	
168 Butyl benzyl phthalate	149		8.961					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149	9.428	9.431	-0.003	87	119250	1.03	
177 Benzo[a]anthracene	228	9.450	9.452	-0.002	66	52143	0.2989	
178 Chrysene	228	9.477	9.484	-0.007	81	57253	0.3490	
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.390	10.392	-0.002	83	74283	0.4438	
183 Benzo[k]fluoranthene	252	10.411	10.419	-0.008	1	24143	0.1390	M
184 Benzo[a]pyrene	252	10.727	10.739	-0.012	59	41091	0.2630	
188 Indeno[1,2,3-cd]pyrene	276	12.174	12.193	-0.019	87	28875	0.1737	
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276	12.602	12.620	-0.018	77	25169	0.1801	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

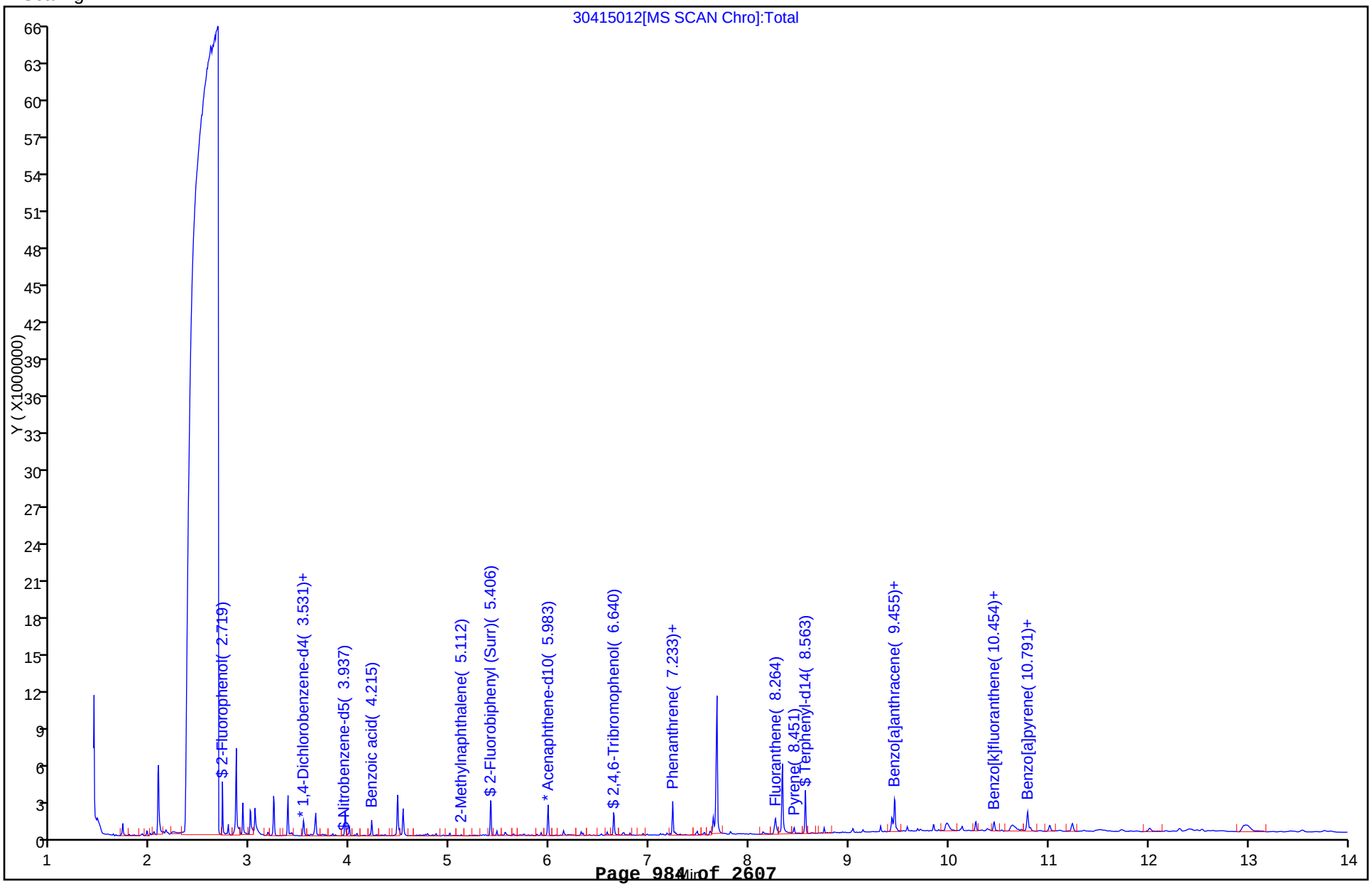
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415012.D

Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



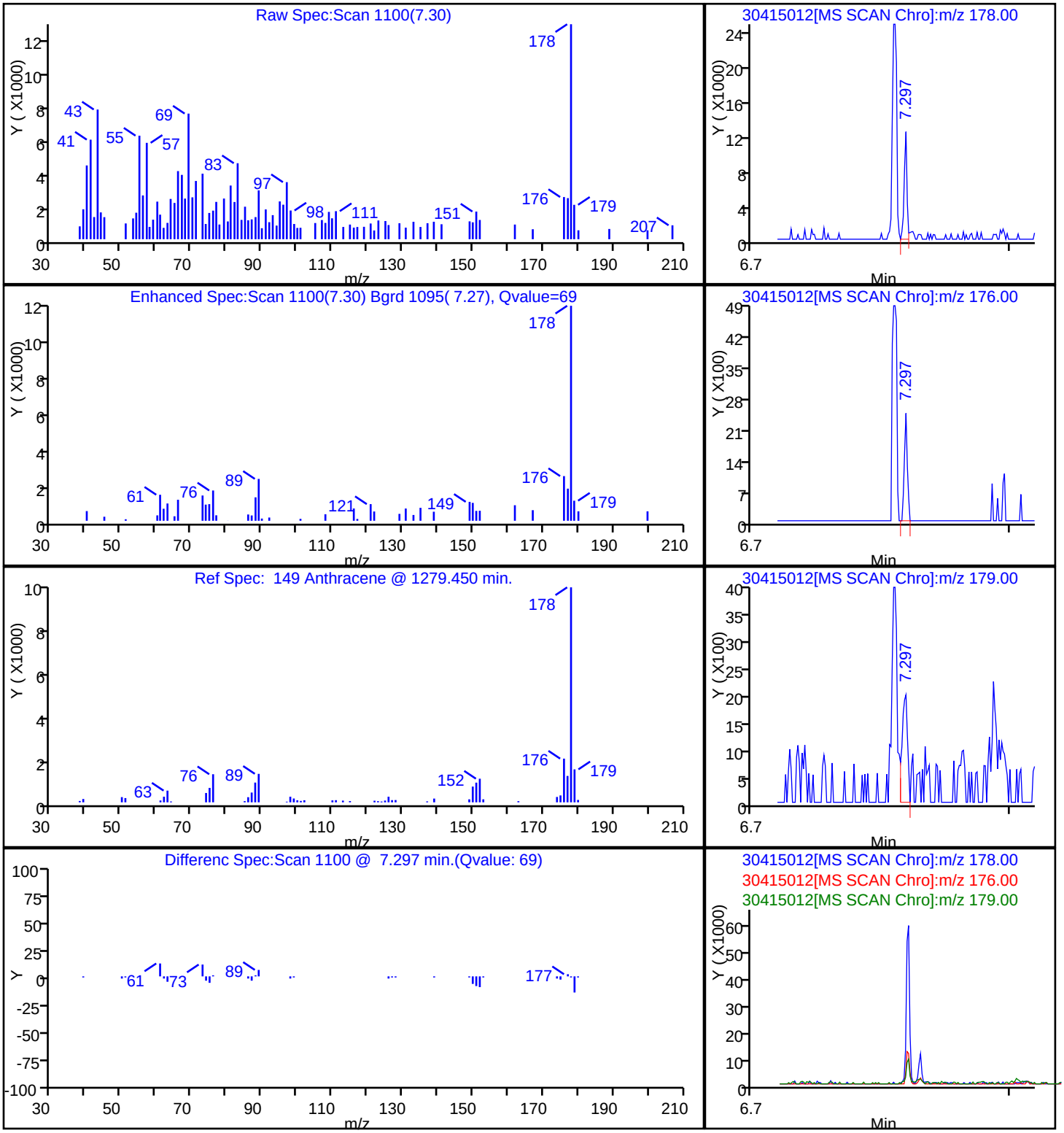
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415012.D

Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



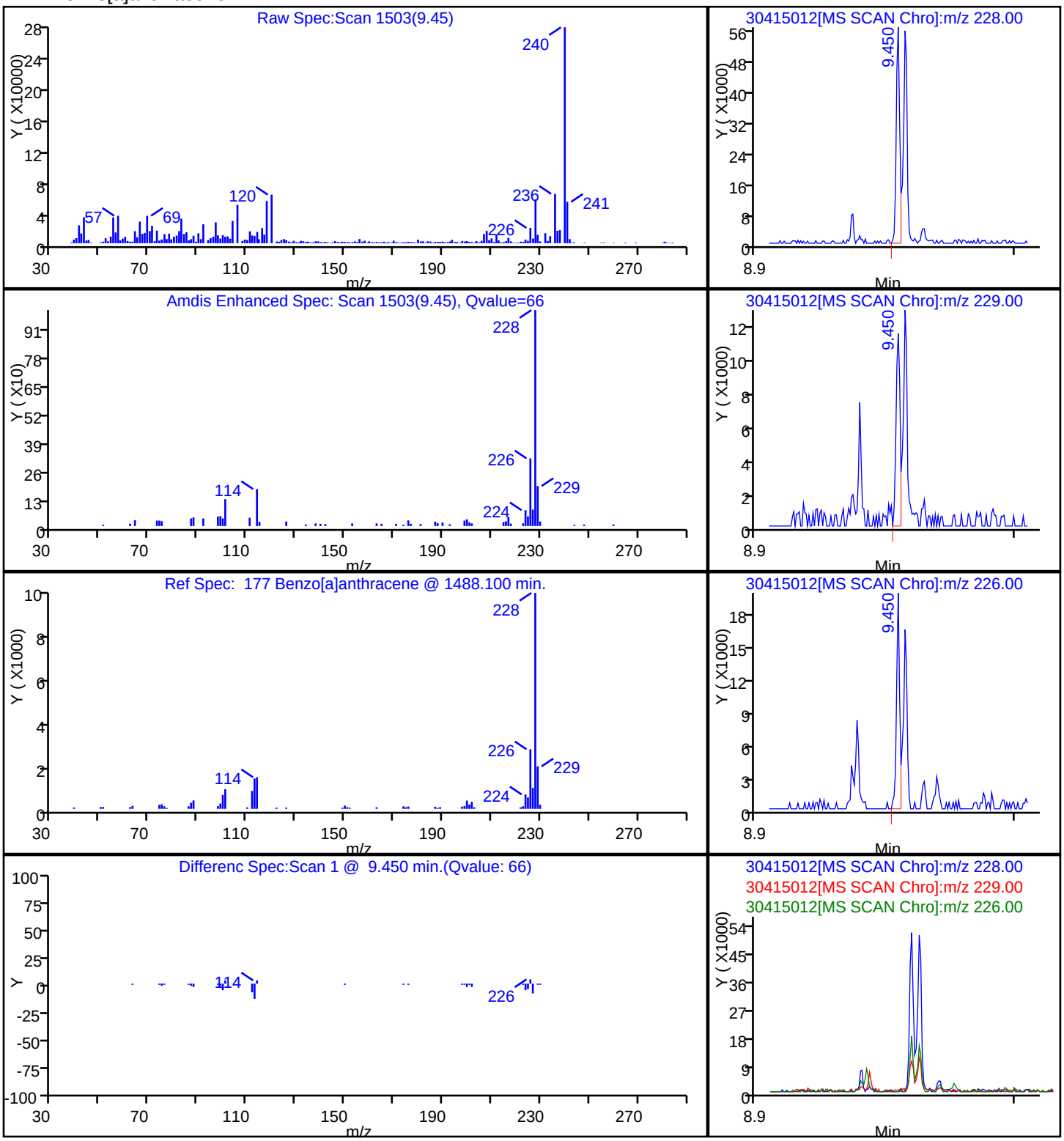
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



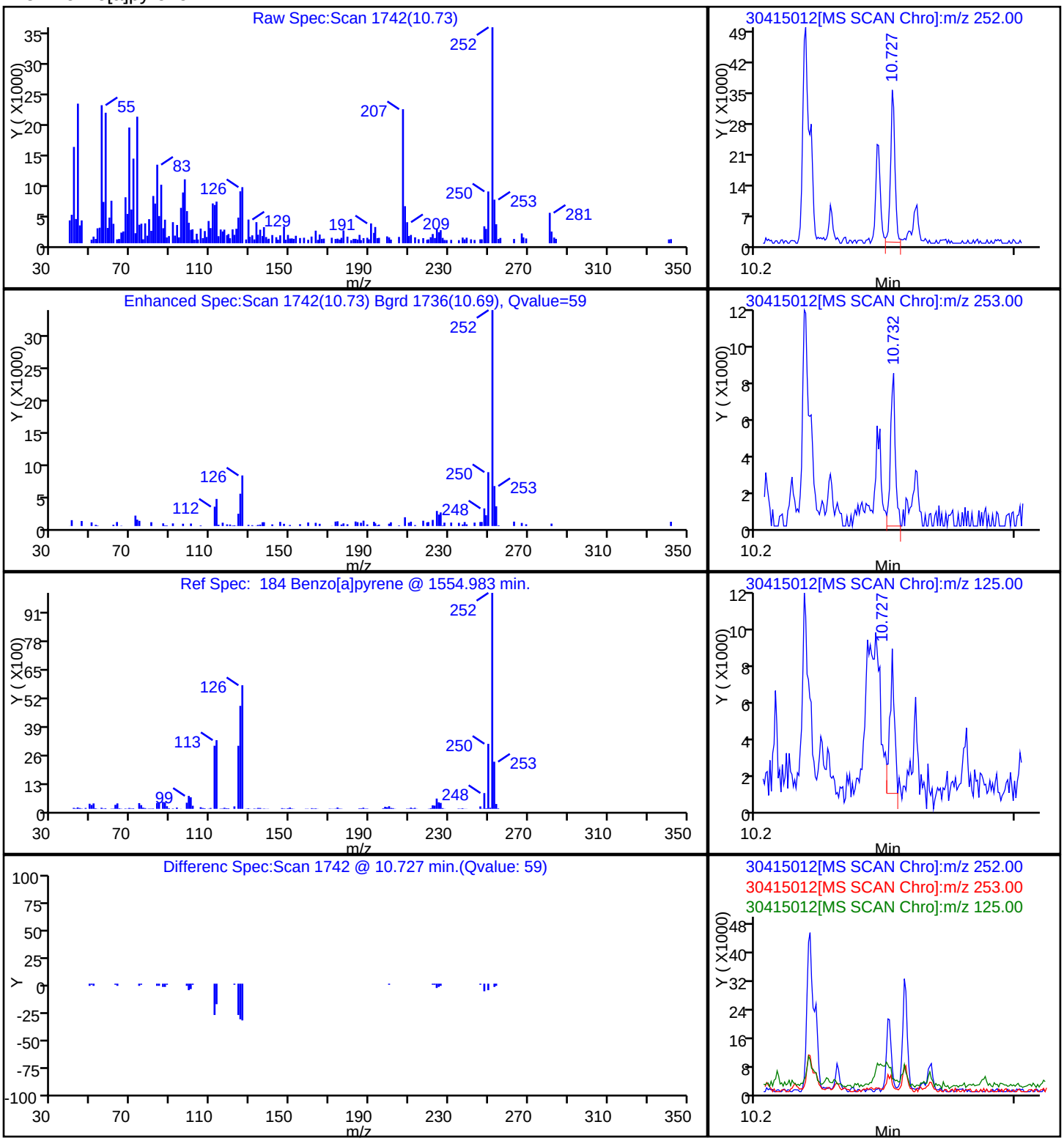
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TestAmerica Canton

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Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



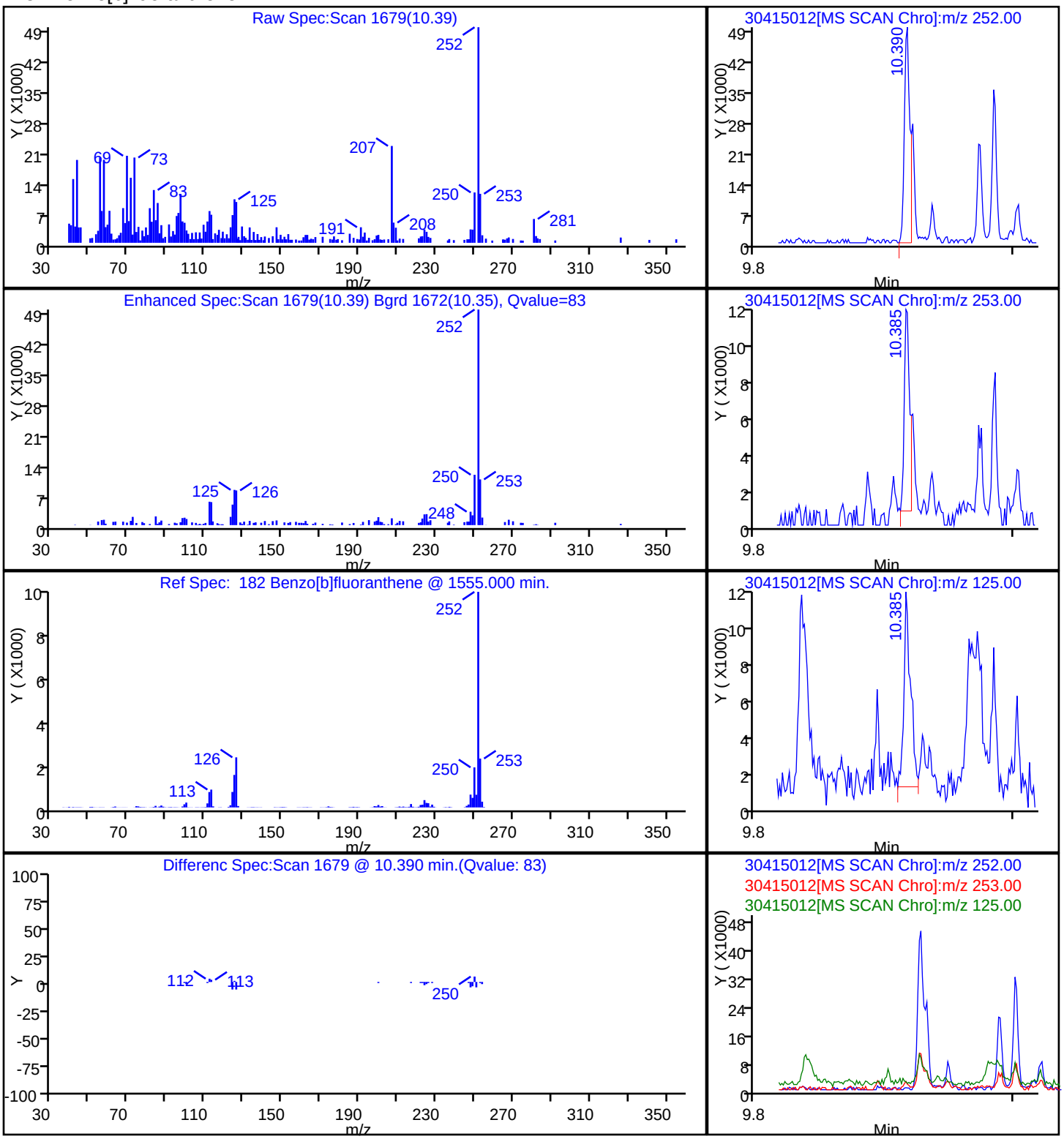
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TestAmerica Canton

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Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



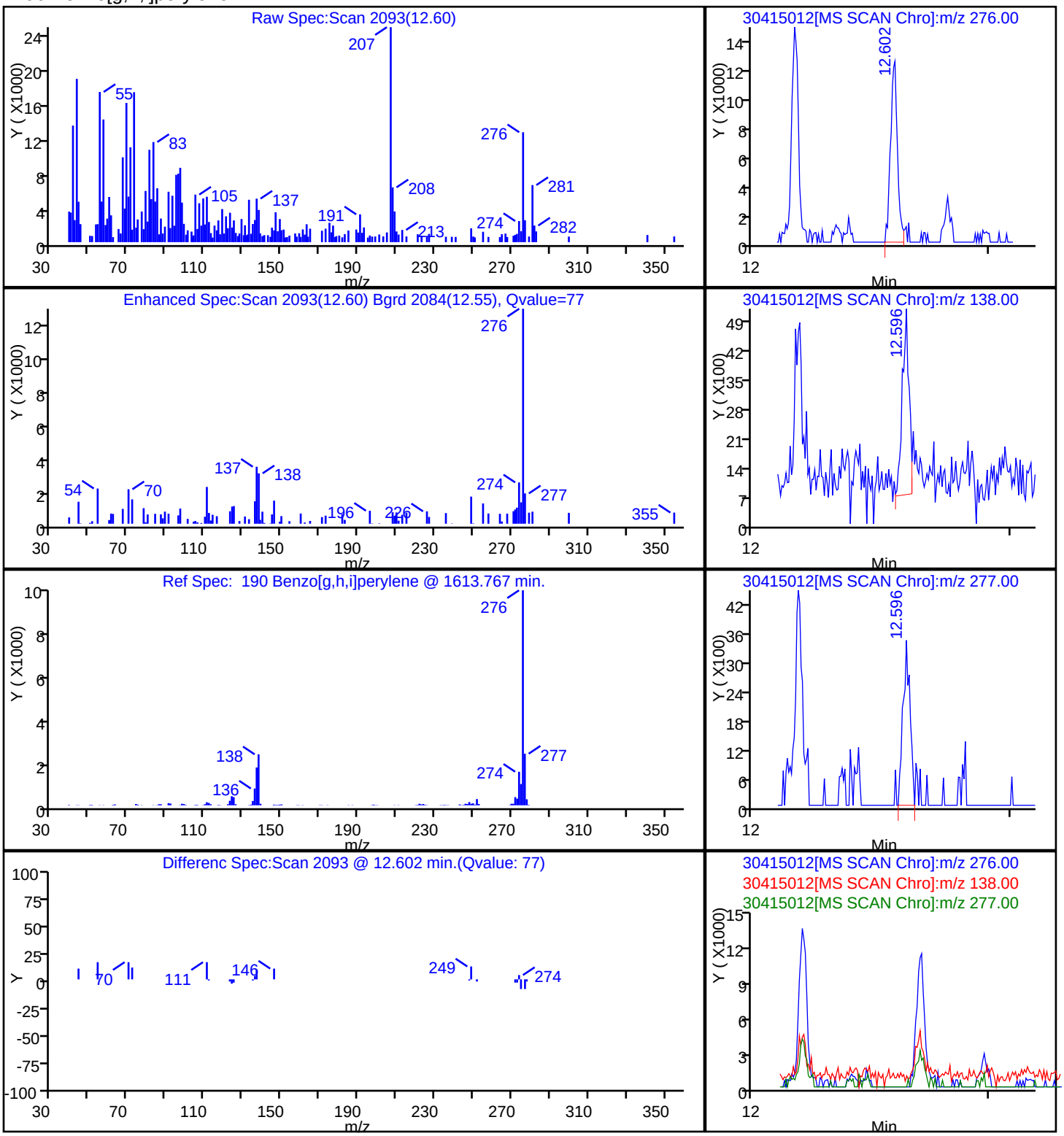
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Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
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190 Benzo[g,h,i]perylene



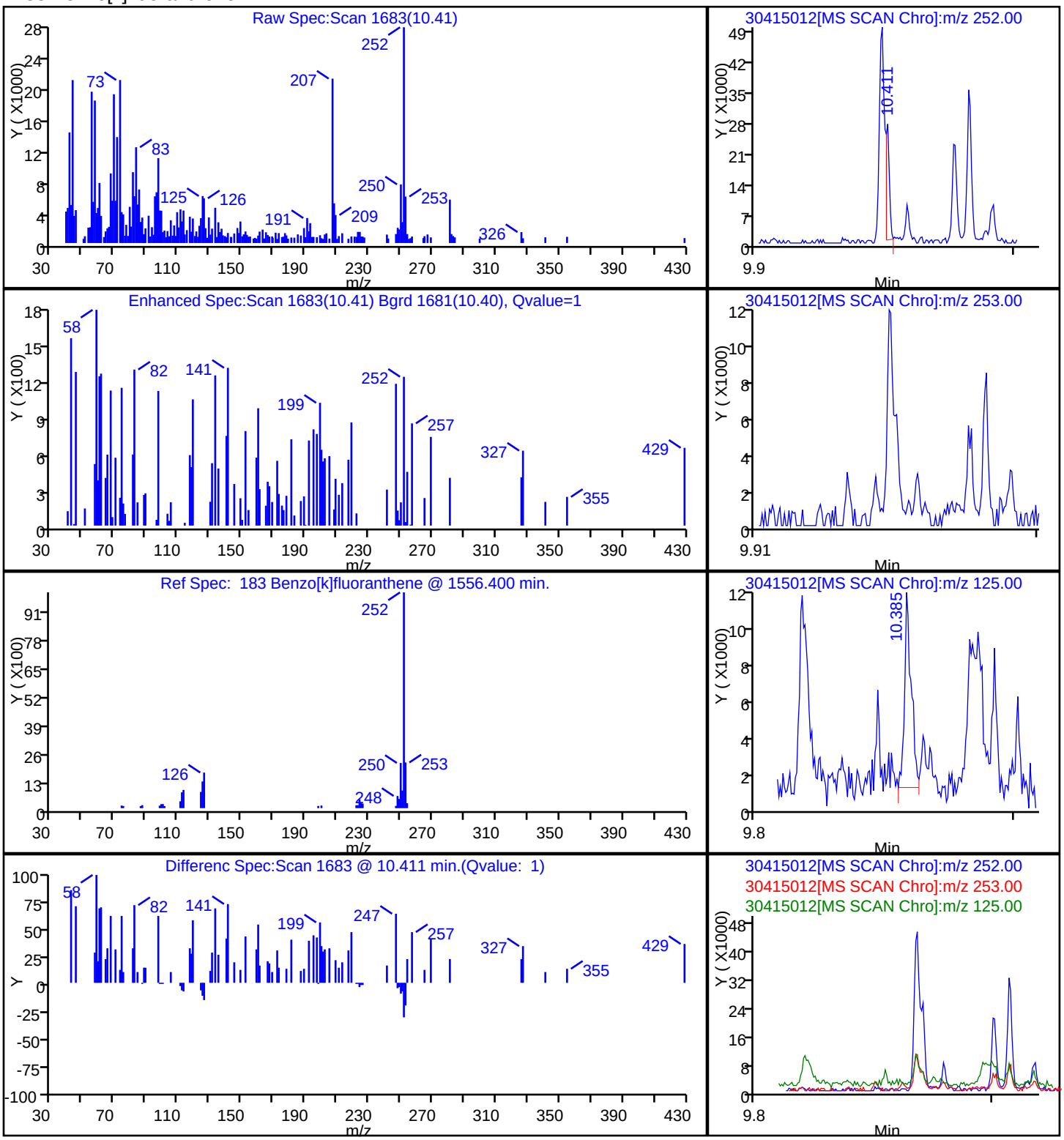
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TestAmerica Canton

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Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



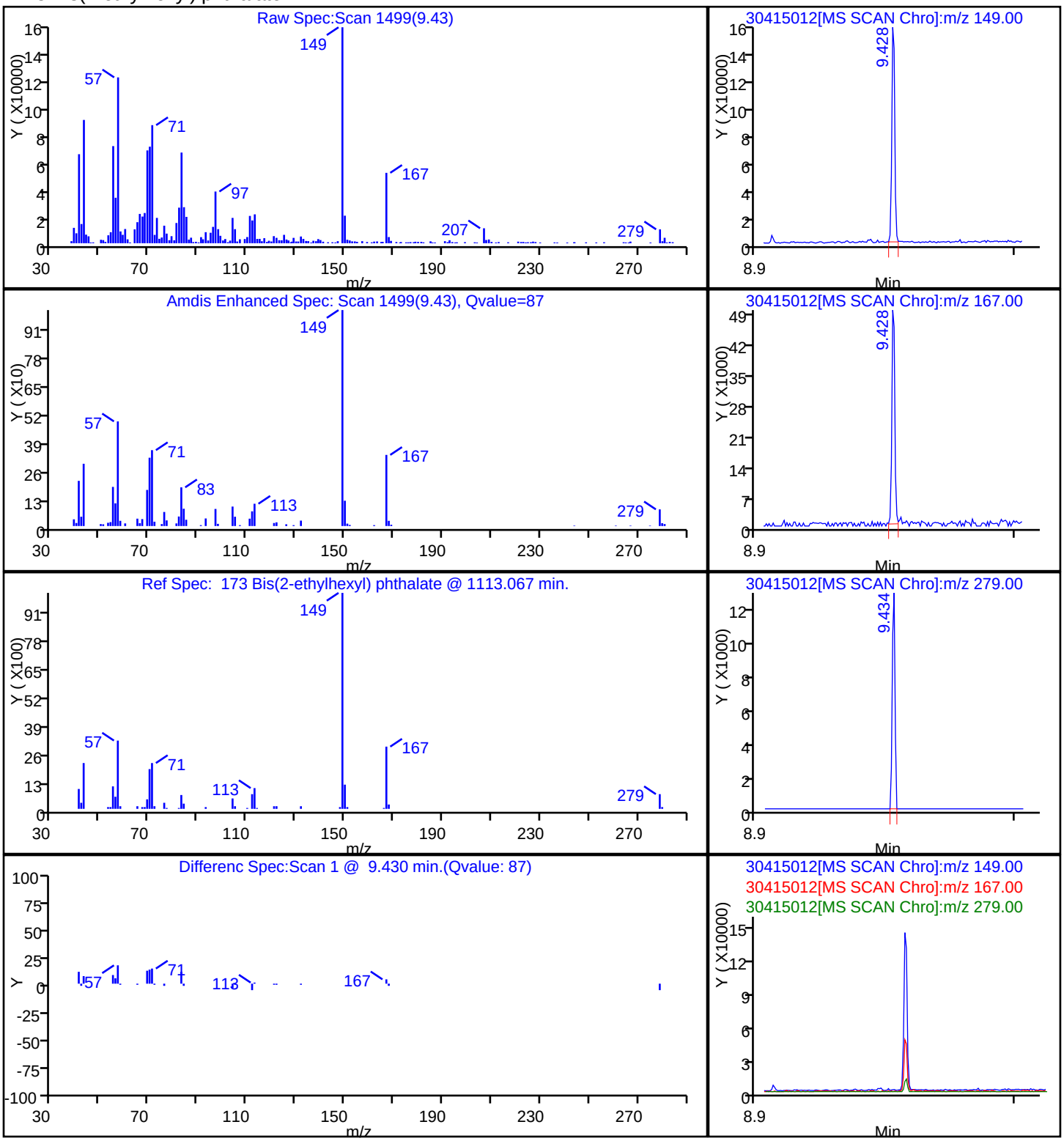
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Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



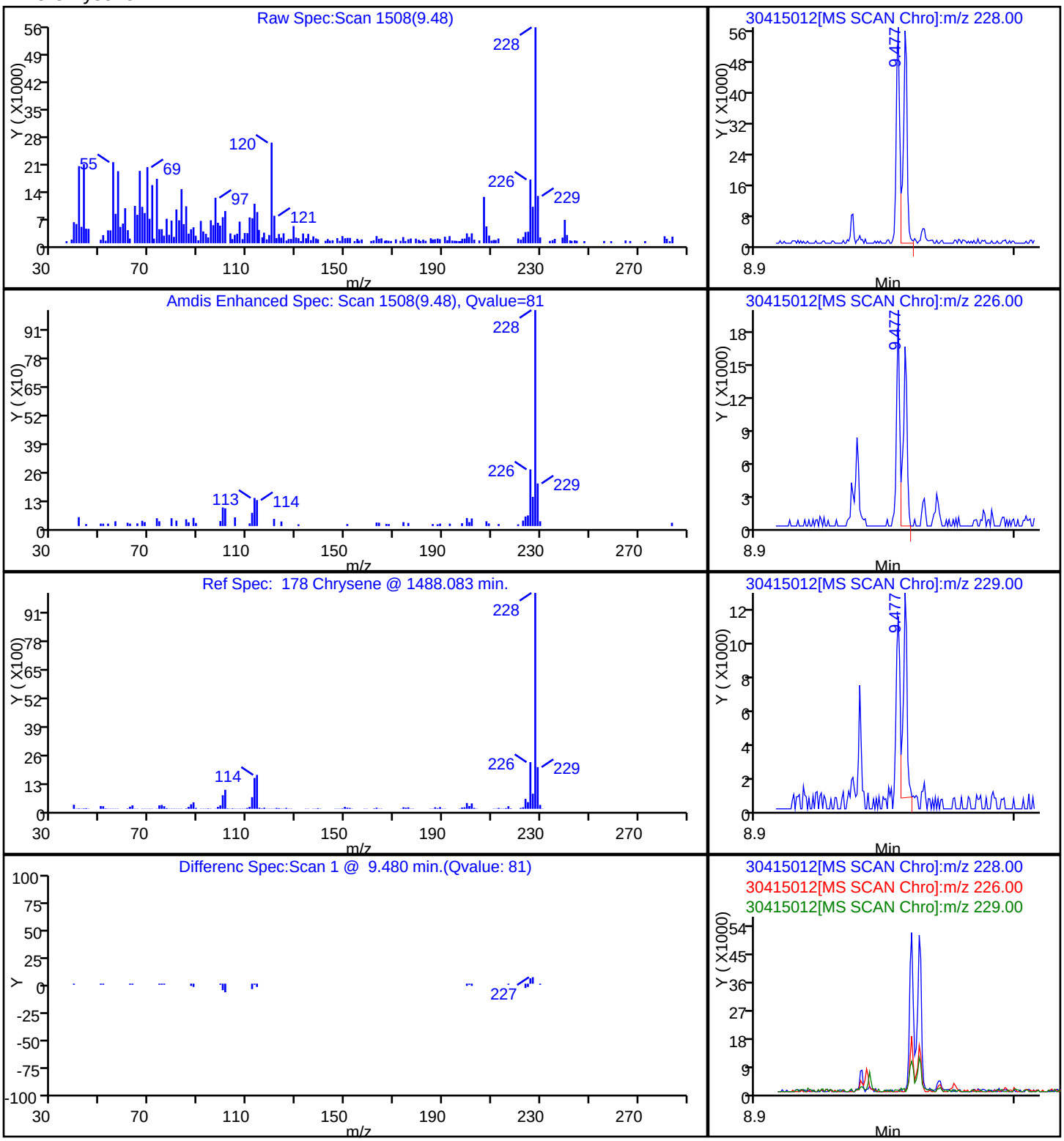
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TestAmerica Canton

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Operator ID:	001574	Injection Vol:	1.0 ul
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178 Chrysene



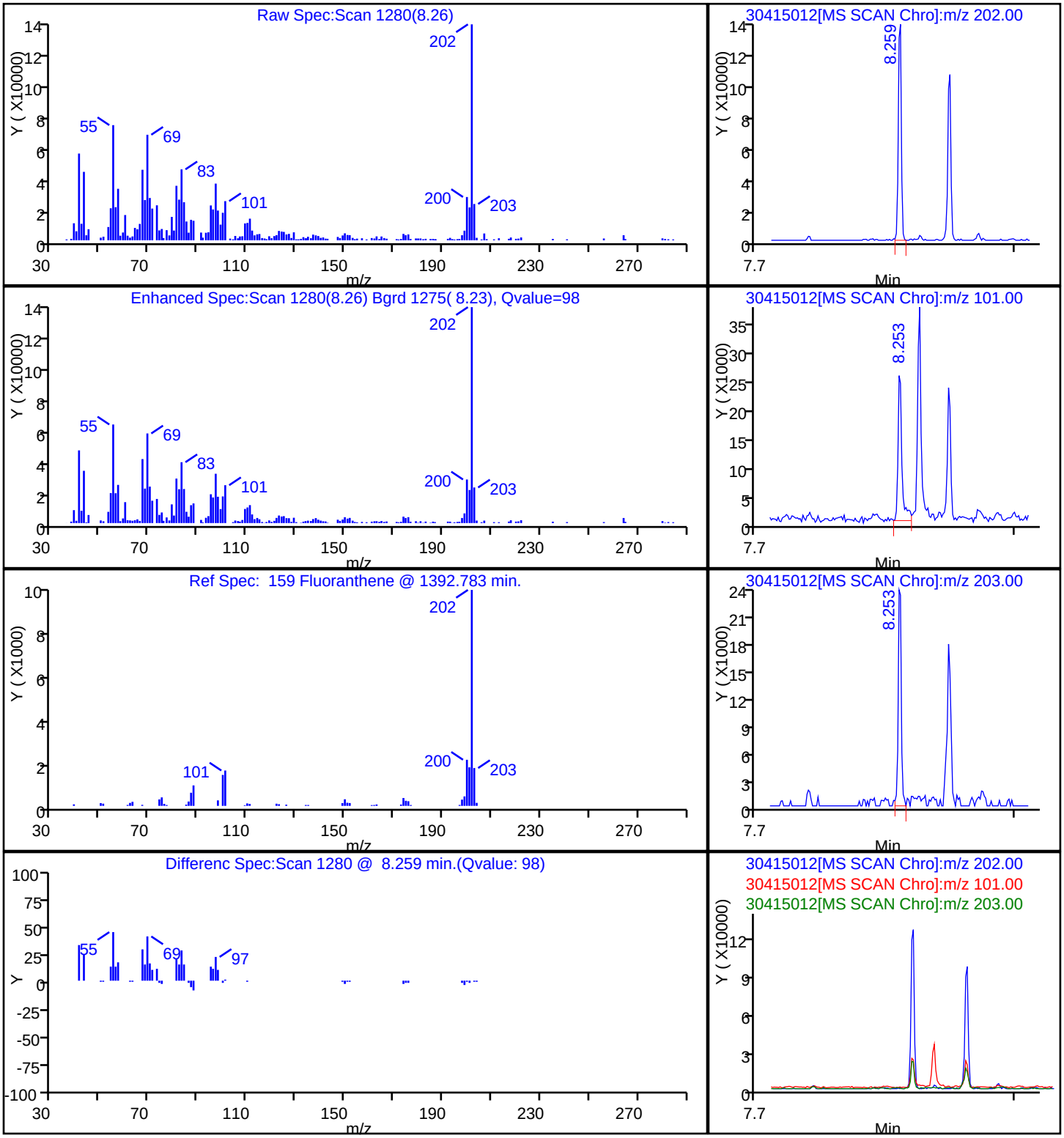
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



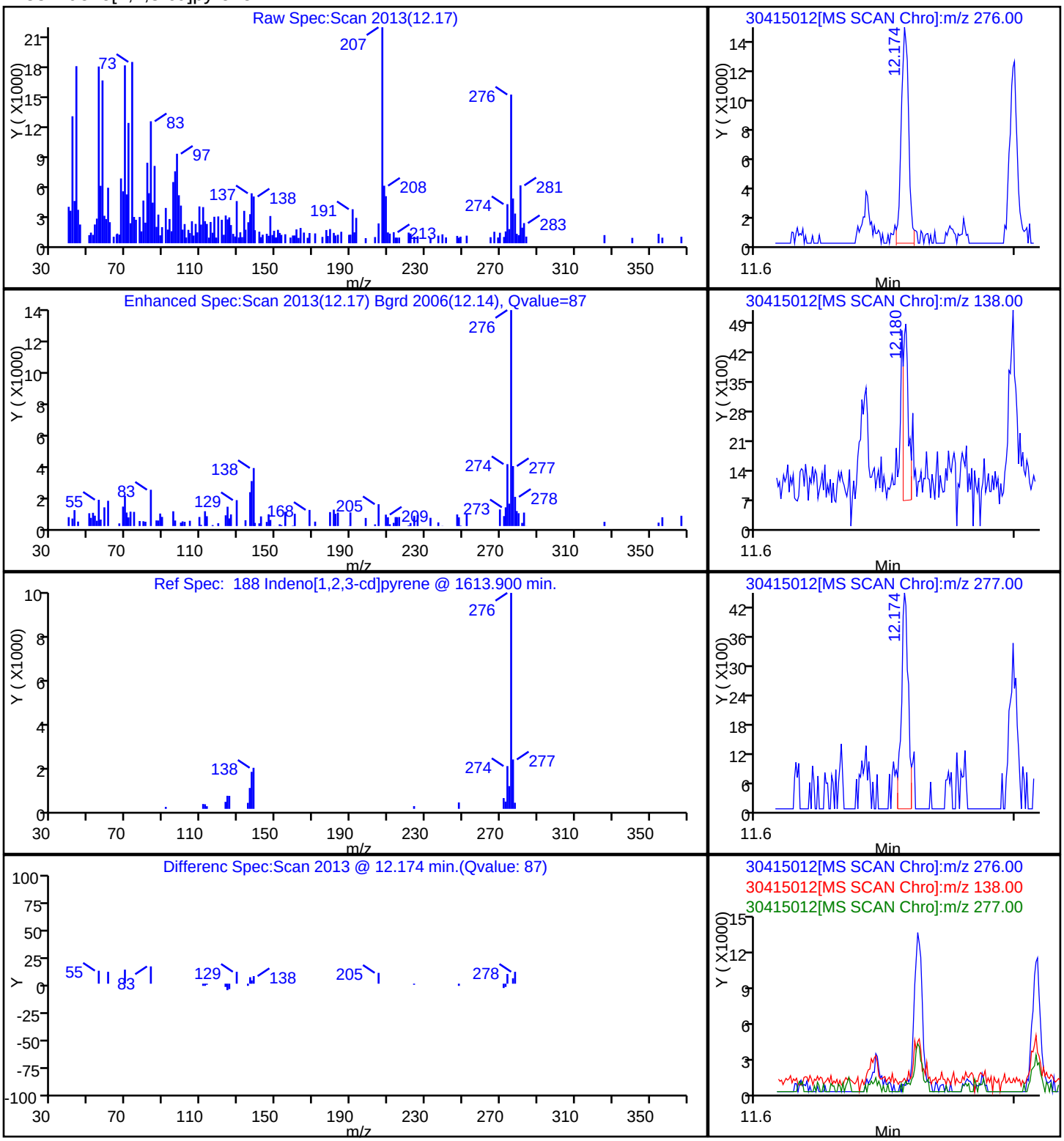
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TestAmerica Canton

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Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



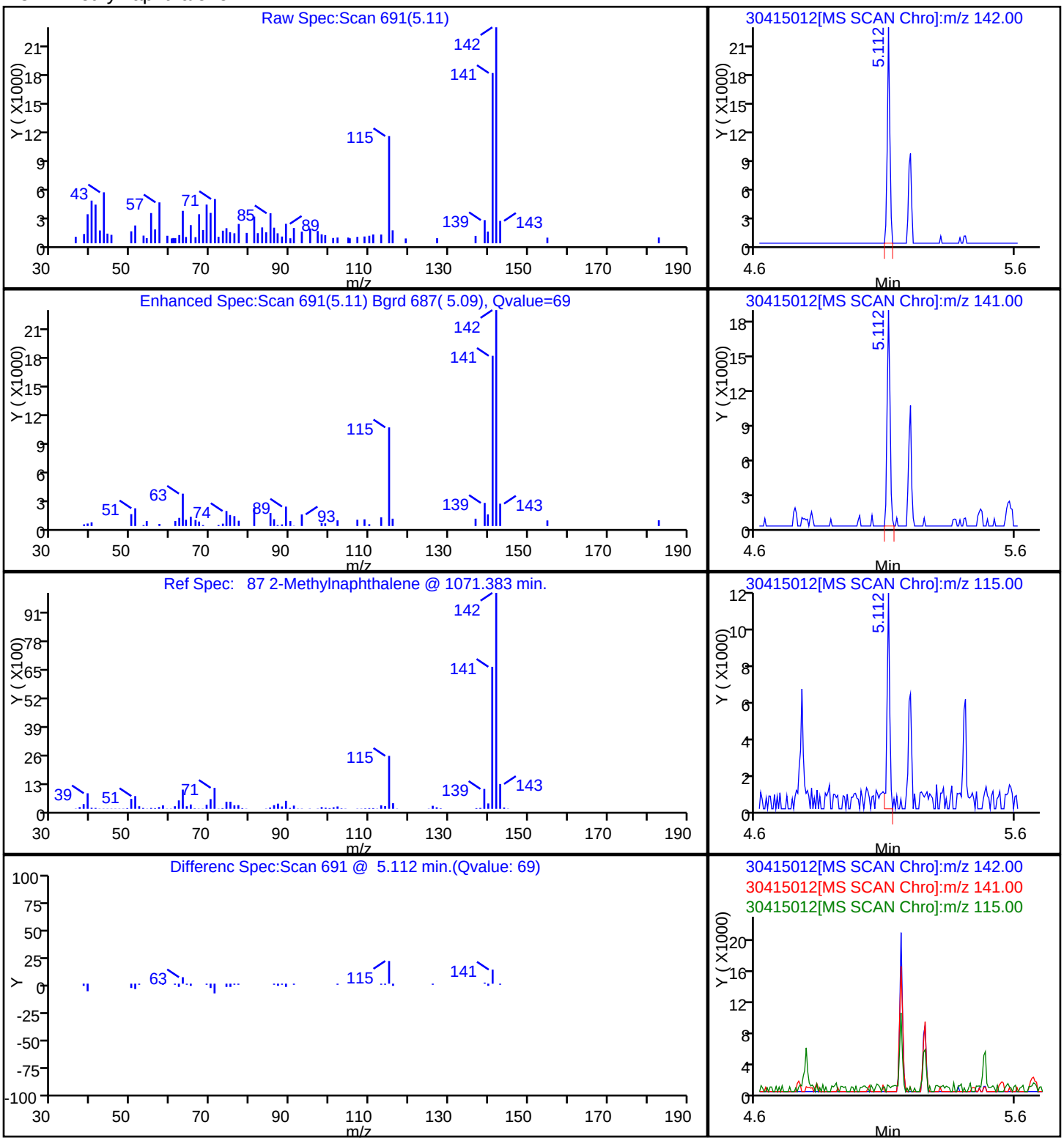
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



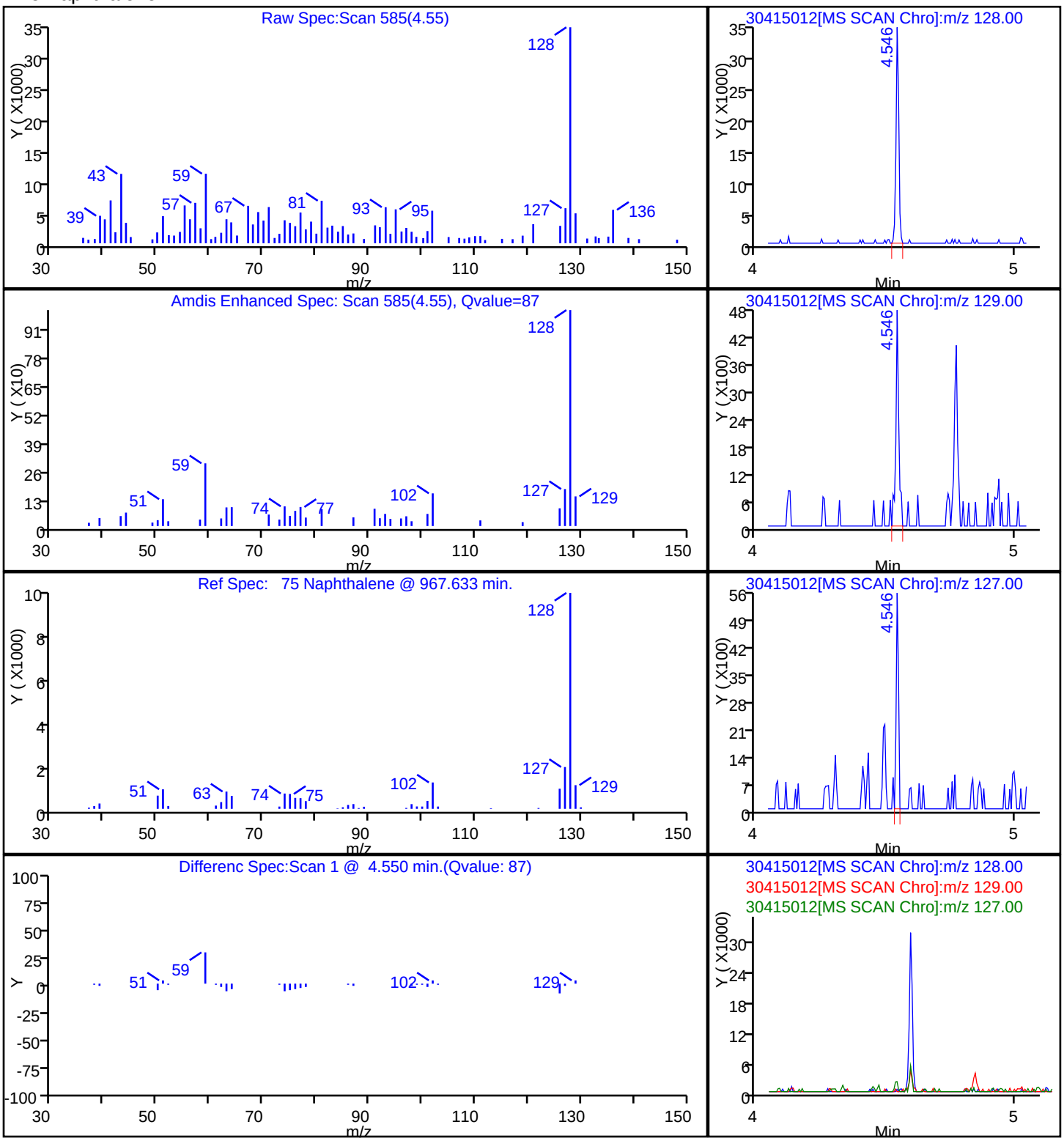
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TestAmerica Canton

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Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



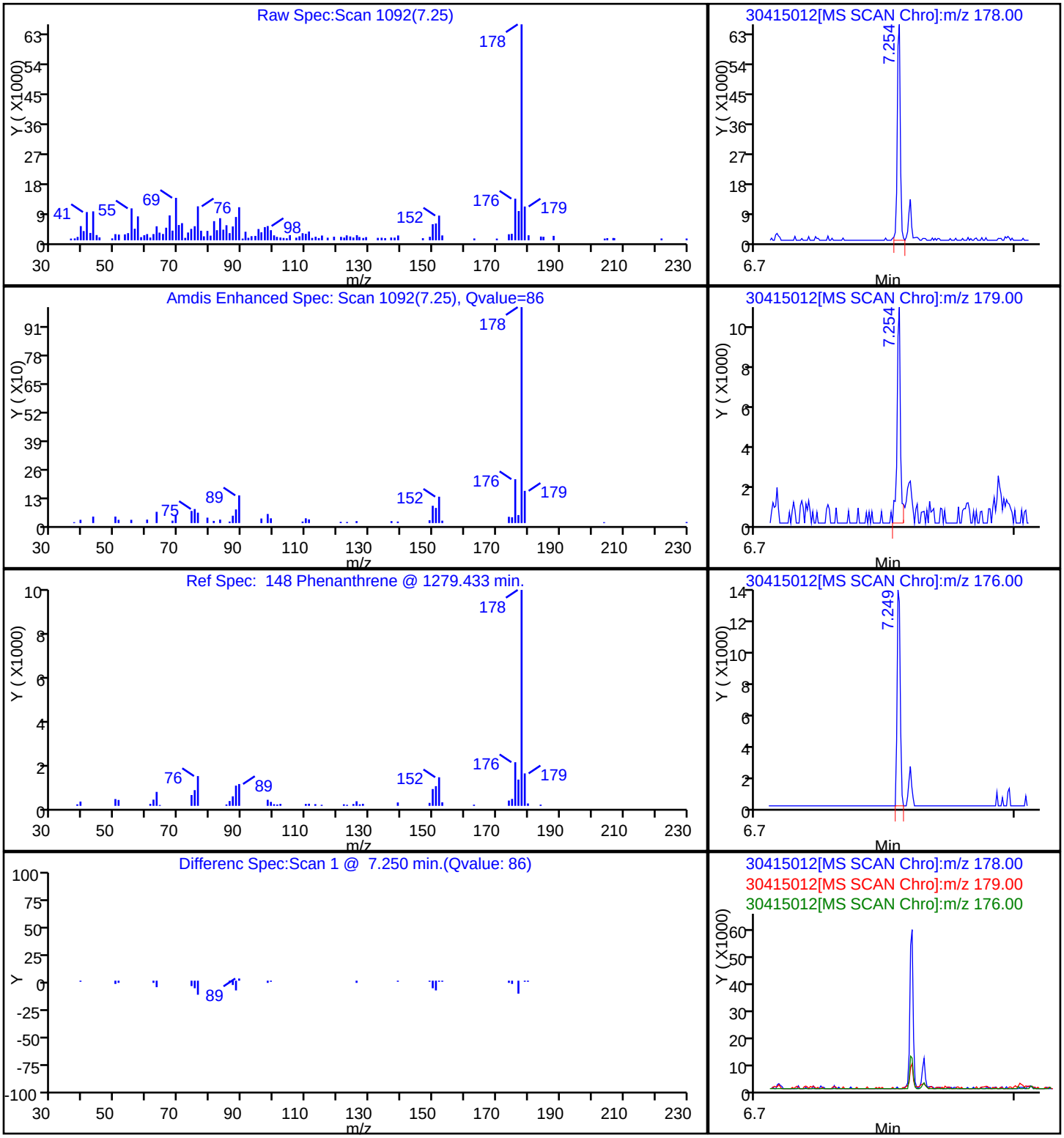
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
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Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



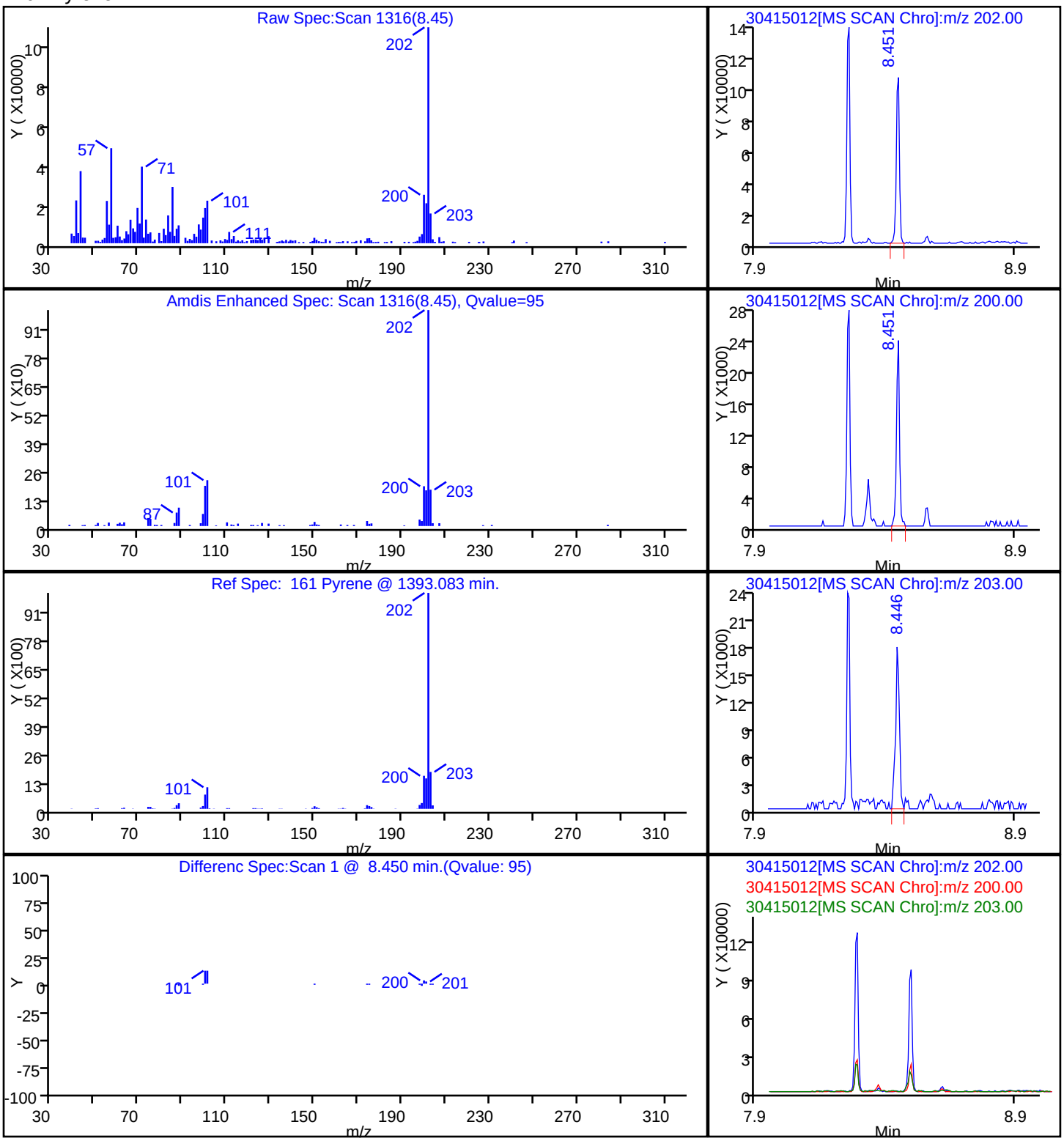
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

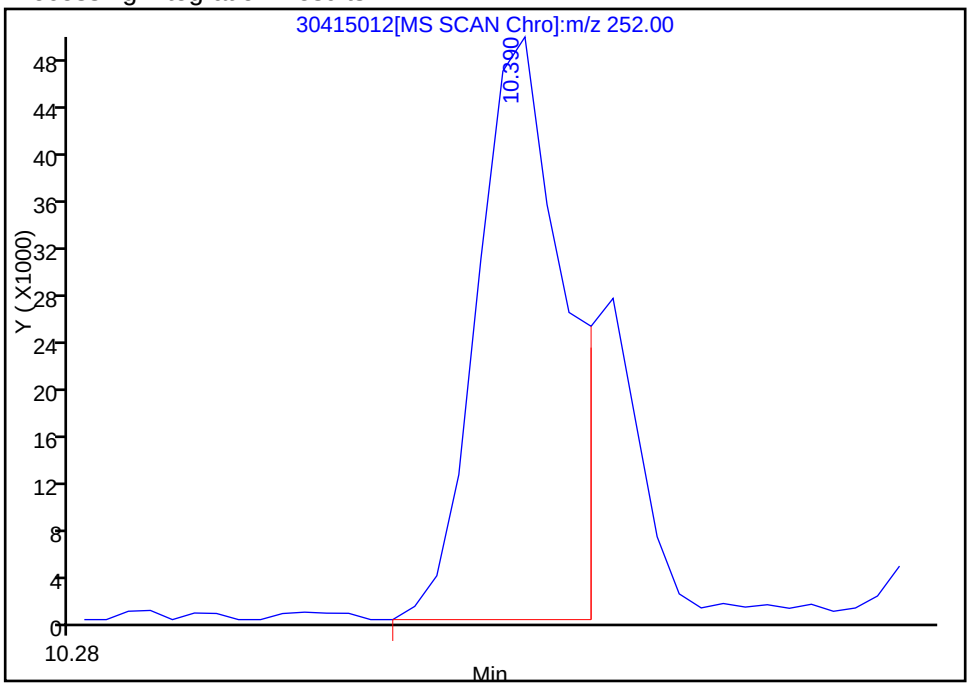
TestAmerica Canton

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Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.42

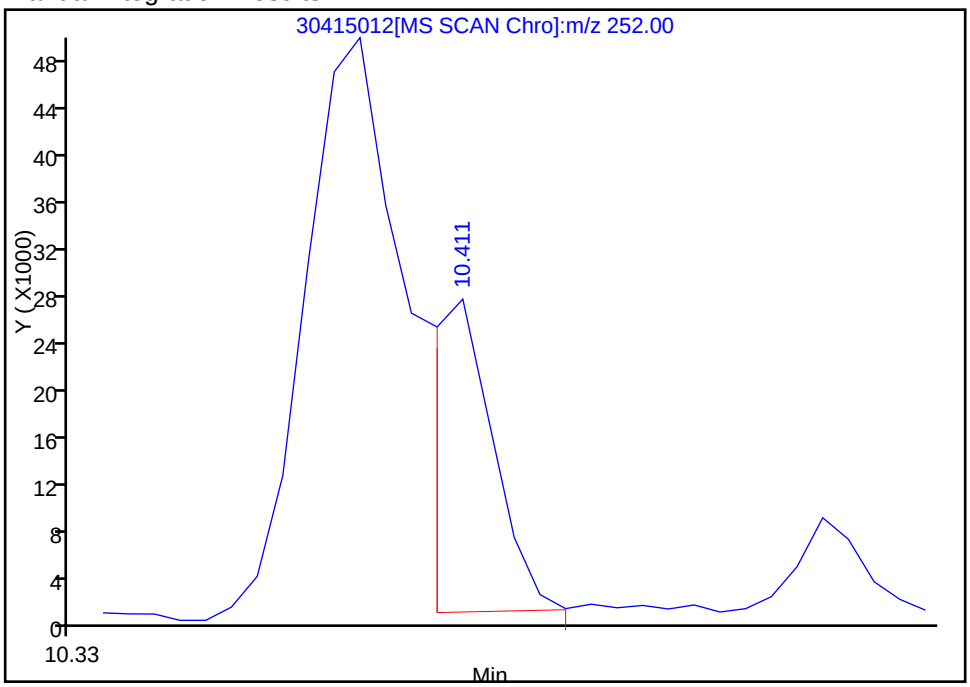
Processing Integration Results

RT: 10.39
Response: 74283
Amount: 0.427814



Manual Integration Results

RT: 10.41
Response: 24143
Amount: 0.139045



Reviewer: ulmanm, 16-Apr-2013 08:53:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

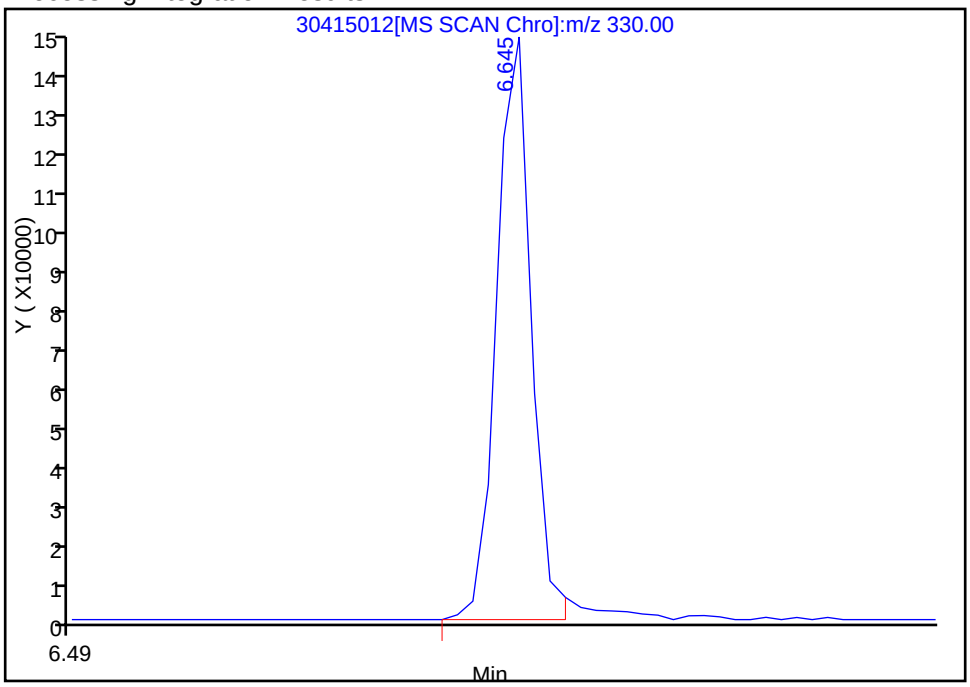
TestAmerica Canton

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Client ID:	079SB-0136M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.65

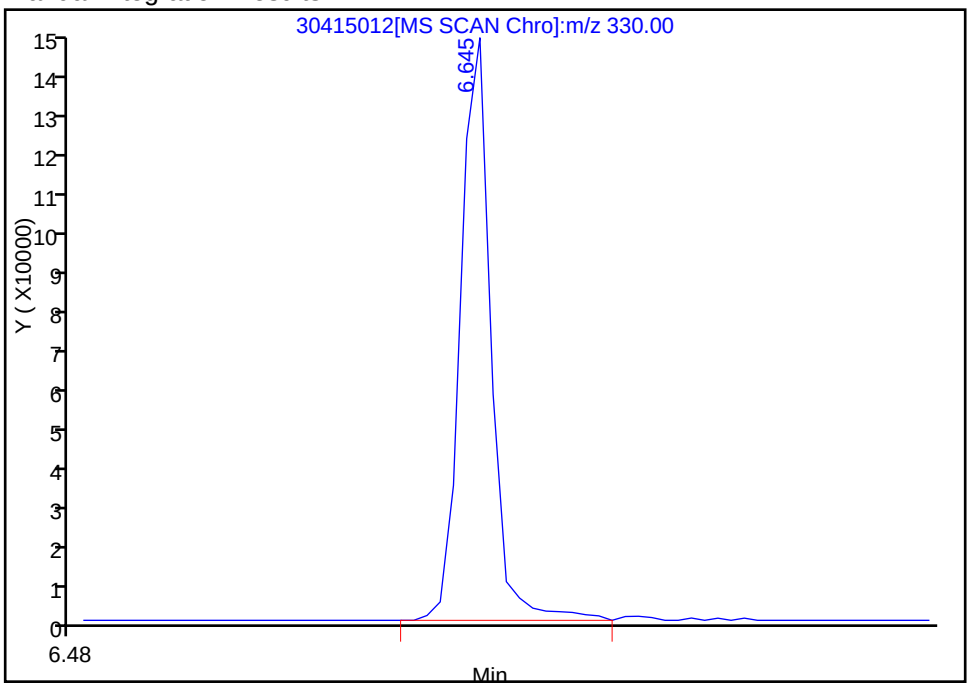
Processing Integration Results

RT: 6.65
Response: 119261
Amount: 9.750083



Manual Integration Results

RT: 6.65
Response: 123053
Amount: 10.060095



Reviewer: ulmanm, 16-Apr-2013 08:53:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: 30415013.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 14:37

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.39(g) | Date Analyzed: 04/15/2013 13:43

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	5.1	J	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	4.3	J	6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	7.0		6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	650	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	34	J	49	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	49	27	13
85-68-7	Butyl benzyl phthalate	27	U	49	27	9.9
86-74-8	Carbazole	27	U	49	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	49	3.3	3.3
95-57-8	2-Chlorophenol	27	U	49	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	49	27	13
218-01-9	Chrysene	6.0	J	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	49	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	49	27	9.6
541-73-1	1,3-Dichlorobenzene	27	U	49	27	11
106-46-7	1,4-Dichlorobenzene	27	U	49	27	20
91-94-1	3,3'-Dichlorobenzidine	79	U	99	79	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	49	27	16
105-67-9	2,4-Dimethylphenol	79	U	150	79	20
131-11-3	Dimethyl phthalate	27	U	49	27	17
84-74-2	Di-n-butyl phthalate	27	U	49	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: 30415013.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 14:37

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.39(g) | Date Analyzed: 04/15/2013 13:43

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
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	49	27	27
206-44-0	Fluoranthene	15		6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	49	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	49	27	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	49	27	13
91-57-6	2-Methylnaphthalene	8.6		6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	390	79	20
91-20-3	Naphthalene	8.7		6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	49	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
621-64-7	N-Nitrosodi-n-propylamine	27	U	49	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	49	27	21
87-86-5	Pentachlorophenol	79	U	150	79	79
85-01-8	Phenanthrene	16		6.6	3.3	3.3
108-95-2	Phenol	27	U	49	27	27
129-00-0	Pyrene	10		6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	49	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: 30415013.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 14:37

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.39(g) | Date Analyzed: 04/15/2013 13:43

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		45-105
367-12-4	2-Fluorophenol (Surr)	56		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	53		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

Report Date: 16-Apr-2013 10:48:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D
Lims ID: 240-22488-G-18-E Client ID: 079SB-0144M-0001-SO
Inject. Date: 15-Apr-2013 13:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018860-013
Misc. Info.: 240-22488-G-18-E =240-22488-G-18-E
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 81882 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:54:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.521	3.517	0.004	92	87927	4.00	
* 2 Naphthalene-d8	136	4.525	4.527	-0.002	98	357660	4.00	
* 3 Acenaphthene-d10	164	5.984	5.985	-0.001	86	201181	4.00	
* 4 Phenanthrene-d10	188	7.234	7.235	-0.001	97	355283	4.00	
* 5 Chrysene-d12	240	9.456	9.463	-0.007	79	363460	4.00	
* 6 Perylene-d12	264	10.786	10.793	-0.007	97	304278	4.00	
$ 7 2-Fluorophenol	112	2.650	2.555	0.095	93	319764	8.35	
$ 8 Phenol-d5	99	3.216	3.202	0.014	89	454186	8.49	
$ 9 Nitrobenzene-d5	82	3.943	3.944	-0.001	85	294997	5.32	
$ 10 2-Fluorobiphenyl (Surr)	172	5.407	5.408	-0.001	99	336793	5.92	
$ 11 2,4,6-Tribromophenol	330	6.646	6.647	-0.001	82	62065	9.61	
$ 12 Terphenyl-d14	244	8.564	8.565	-0.001	98	370176	5.41	
43 Phenol	94		3.212					9
69 Bis(2-chloroethyl)ether	93		3.293					9
46 2-Chlorophenol	128		3.357					
47 1,3-Dichlorobenzene	146		3.474					9
48 1,4-Dichlorobenzene	146		3.528					9
49 Benzyl alcohol	108		3.608					9
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					9
53 2,2'-oxybis[1-chloropropane]	45		3.704					
21 3 & 4 Methylphenol	108		3.800					9
57 N-Nitrosodi-n-propylamine	70		3.811					9
61 Hexachloroethane	117		3.918					9
62 Nitrobenzene	77		3.960					9
64 Isophorone	82	4.141	4.147	-0.006	83	10870	0.1209	
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					
70 Bis(2-chloroethoxy)methane	93		4.302					9
71 Benzoic acid	122		4.313					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.404					
74 1,2,4-Trichlorobenzene	180		4.473					
75 Naphthalene	128	4.547	4.548	-0.001	1	11385	0.1315	
76 4-Chloroaniline	127		4.575					9
79 Hexachlorobutadiene	225		4.633					
86 4-Chloro-3-methylphenol	107		4.970					9
87 2-Methylnaphthalene	142	5.113	5.114	-0.001	49	7120	0.1308	
89 Hexachlorocyclopentadiene	237		5.242					
92 2,4,6-Trichlorophenol	196		5.339					
93 2,4,5-Trichlorophenol	196		5.376					
100 2-Chloronaphthalene	162		5.520					
102 2-Nitroaniline	65		5.595					
105 Dimethyl phthalate	163		5.739					9
107 2,6-Dinitrotoluene	165		5.793					9
109 Acenaphthylene	152		5.867					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					9
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					9
121 Diethyl phthalate	149		6.332					9
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					9
125 4-Nitroaniline	138		6.450					
128 4,6-Dinitro-2-methylphenol	198		6.476					
131 N-Nitrosodiphenylamine	169		6.535					9
139 4-Bromophenyl phenyl ether	248		6.850					
141 Hexachlorobenzene	284		6.909					
143 Pentachlorophenol	266		7.069					
148 Phenanthrene	178	7.250	7.256	-0.006	62	21330	0.2414	
149 Anthracene	178		7.299					
151 Carbazole	167		7.427					9
154 Di-n-butyl phthalate	149		7.700					
159 Fluoranthene	202	8.254	8.255	-0.001	94	21507	0.2268	
161 Pyrene	202	8.446	8.453	-0.007	86	14996	0.1546	
168 Butyl benzyl phthalate	149		8.961					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149	9.429	9.431	-0.002	83	31901	0.5208	
177 Benzo[a]anthracene	228	9.451	9.452	-0.001	20	7149	0.0775	
178 Chrysene	228	9.477	9.484	-0.007	42	7922	0.0913	
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.391	10.392	-0.001	67	9062	0.1062	
183 Benzo[k]fluoranthene	252		10.419					
184 Benzo[a]pyrene	252	10.728	10.739	-0.011	27	5219	0.0655	
188 Indeno[1,2,3-cd]pyrene	276		12.193					9
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276		12.620					

QC Flag Legend

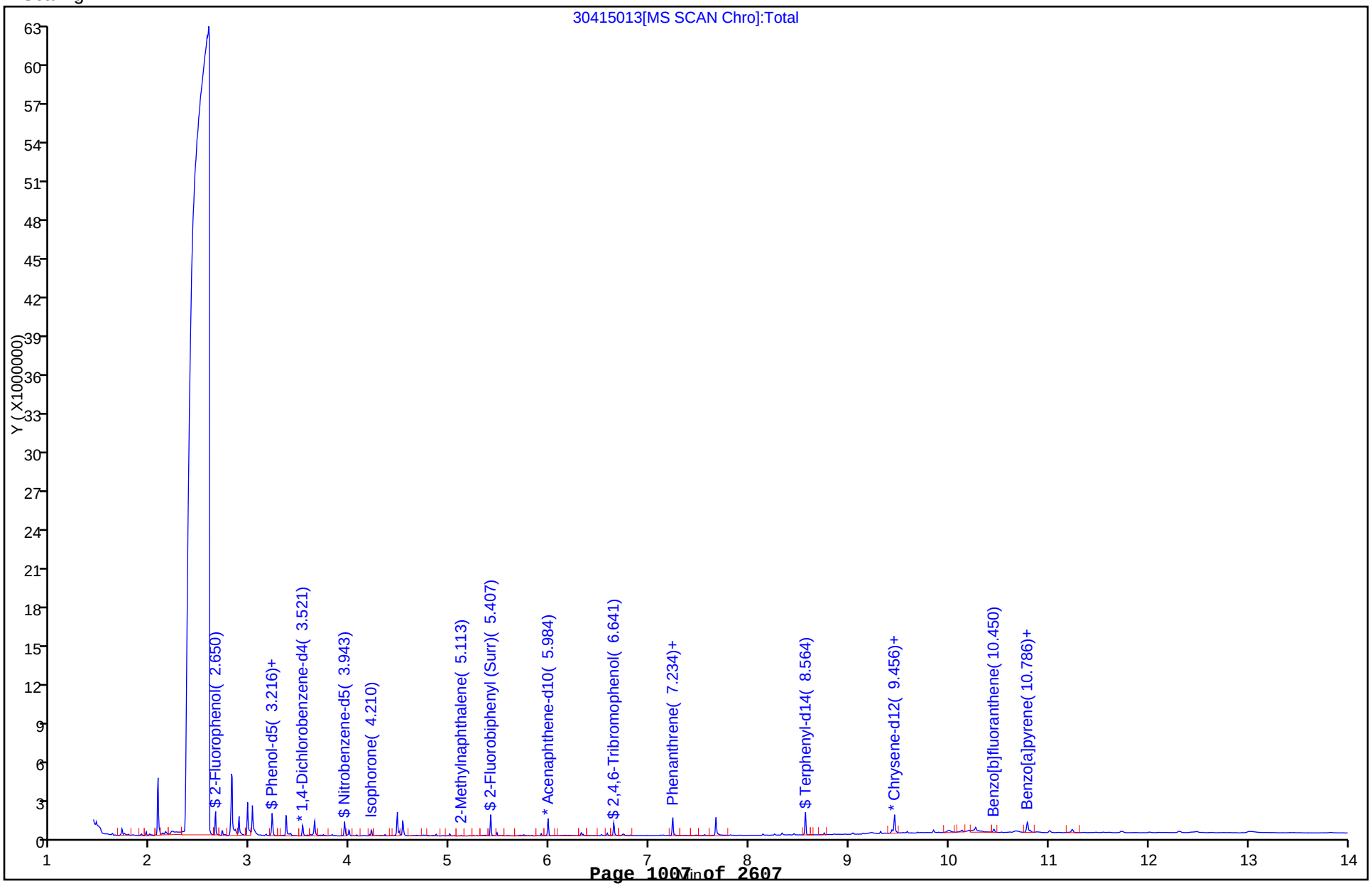
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 16-Apr-2013 10:48:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D		
Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



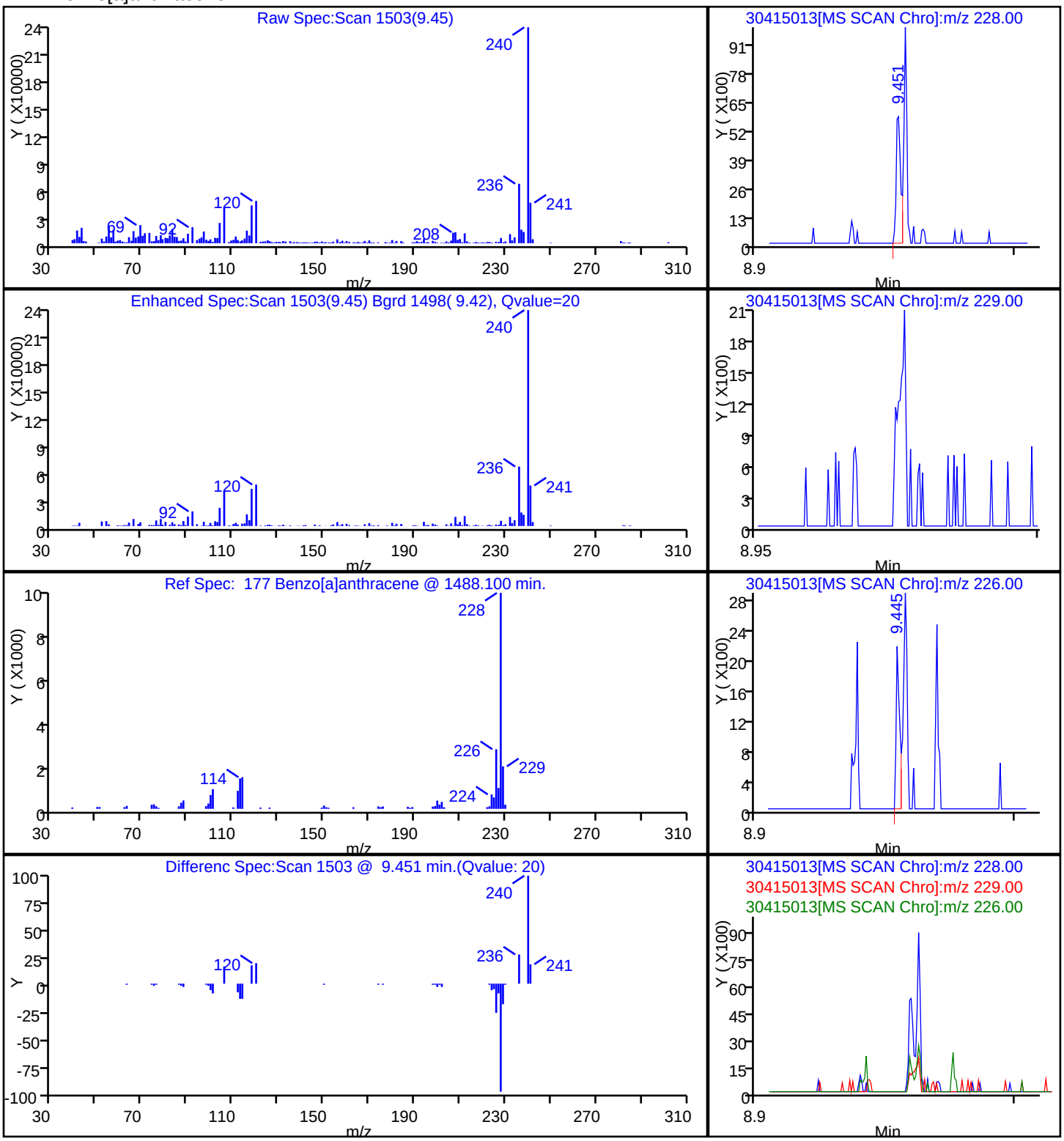
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



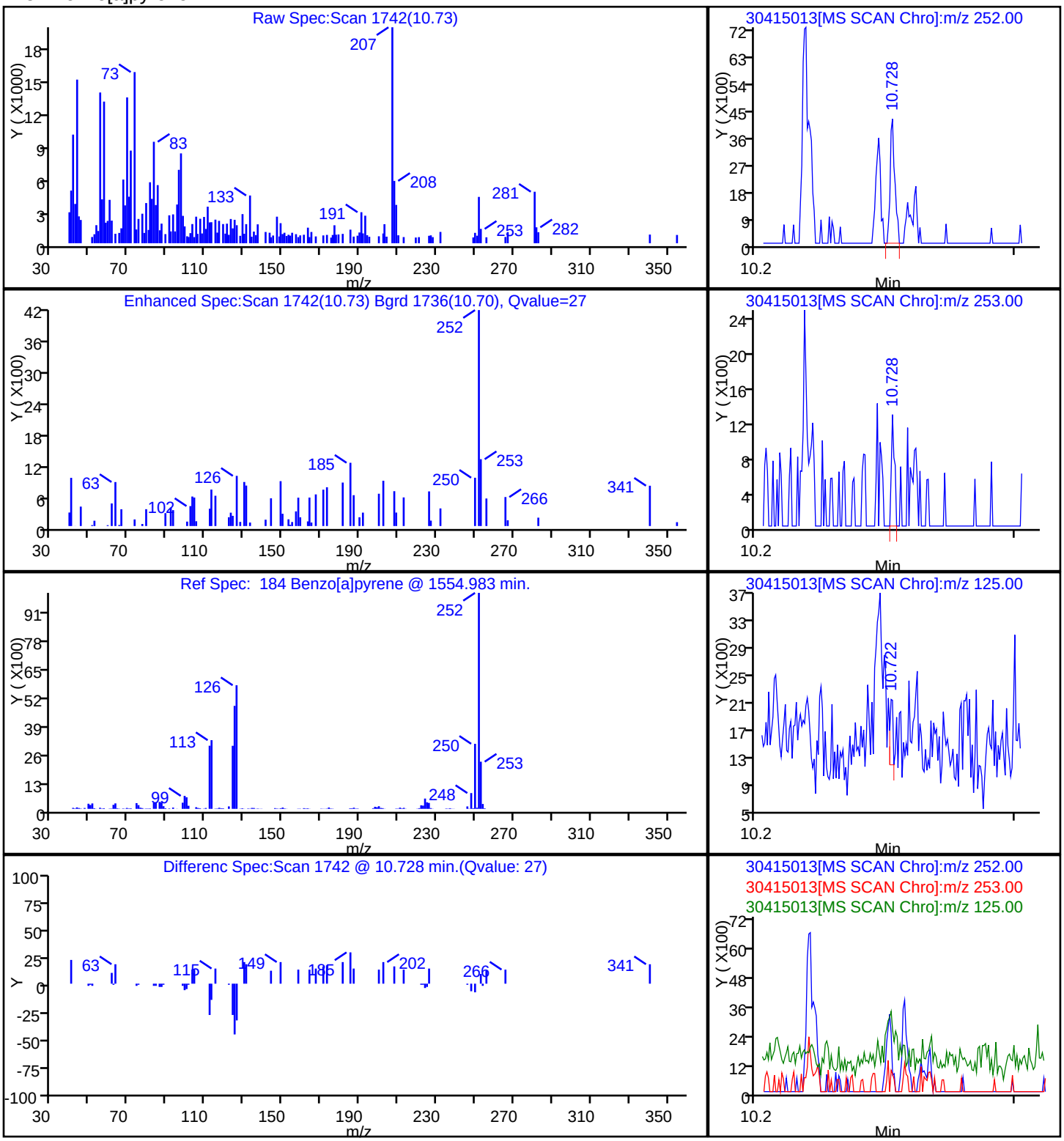
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



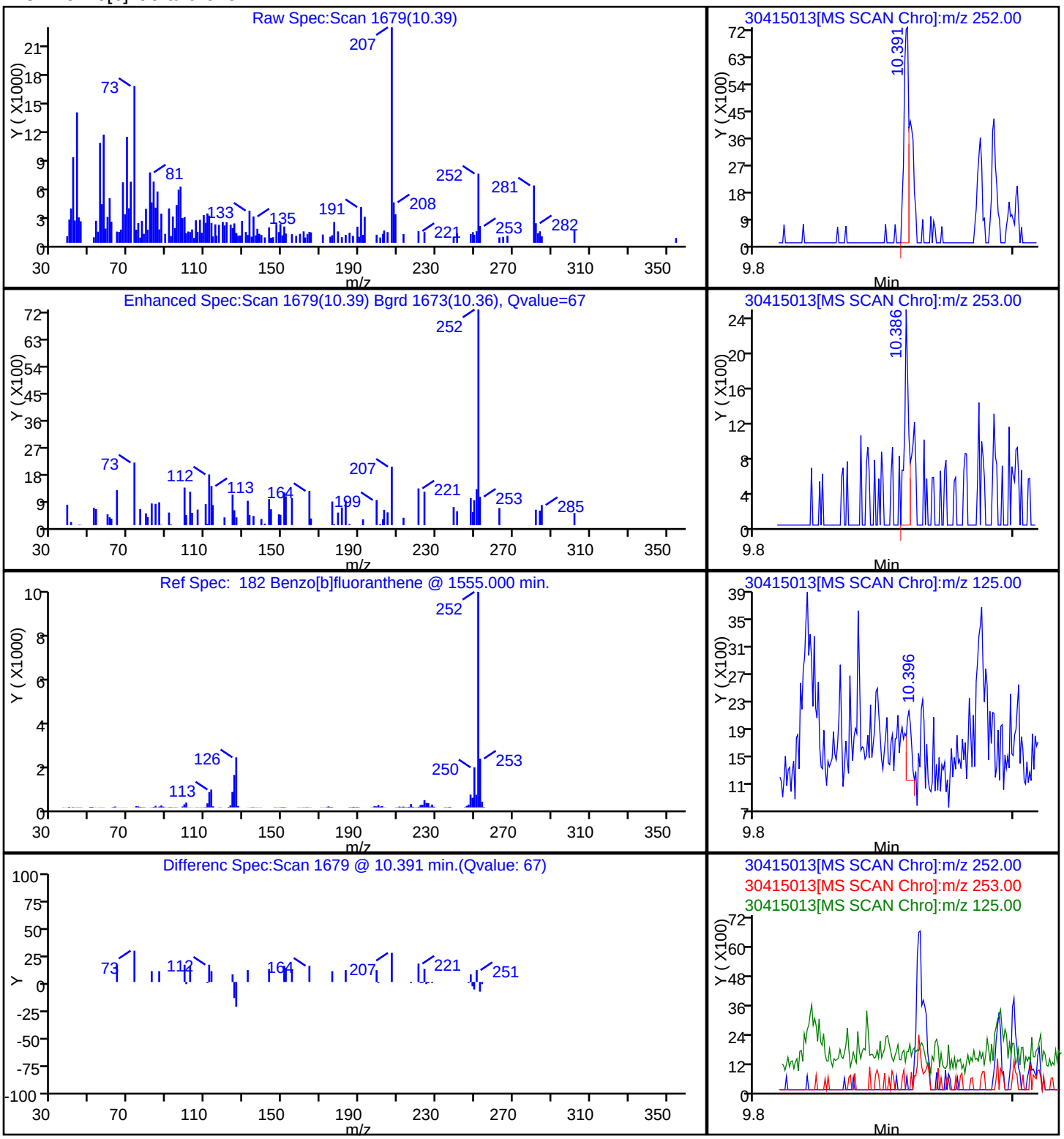
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



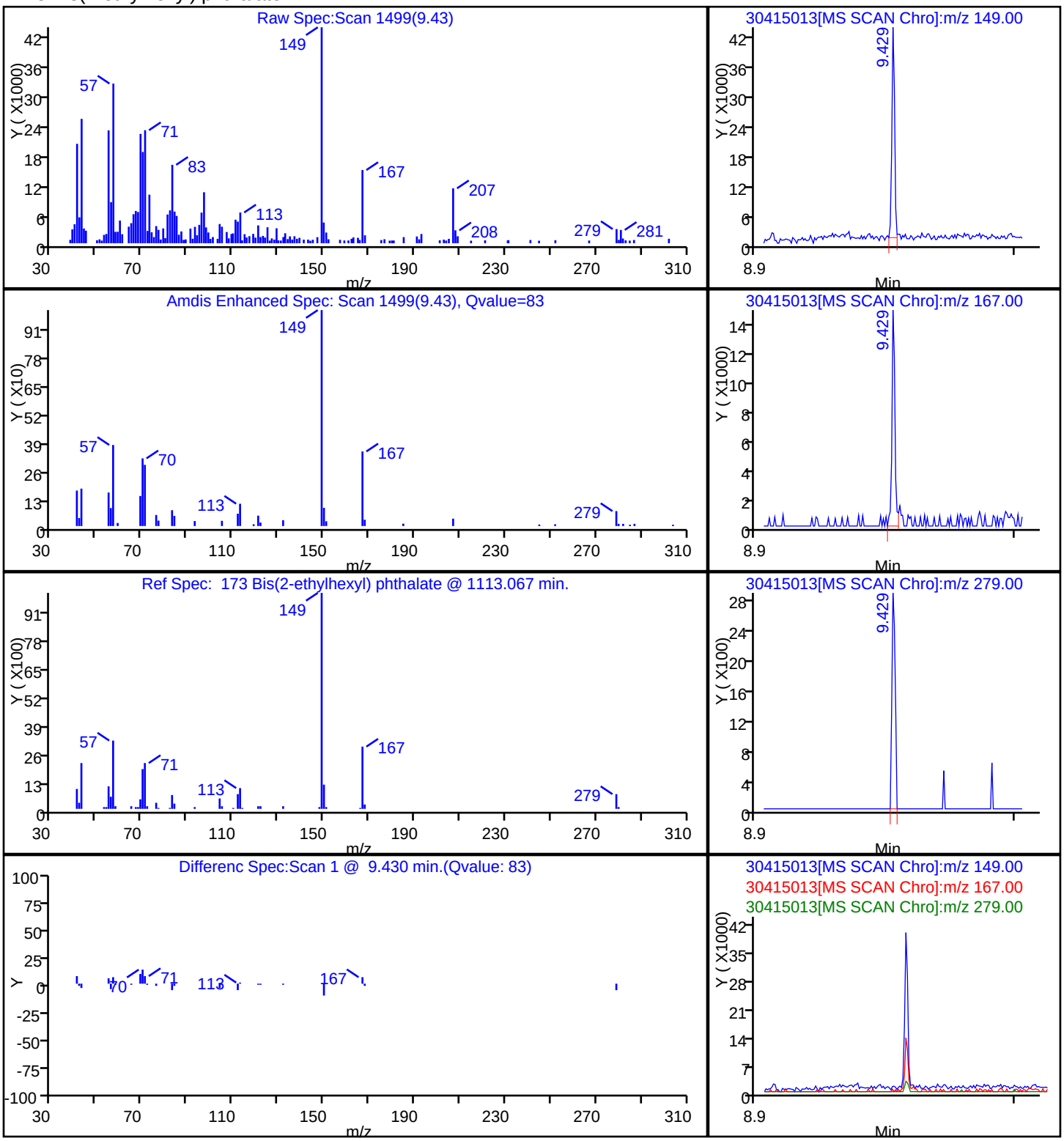
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TestAmerica Canton

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Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



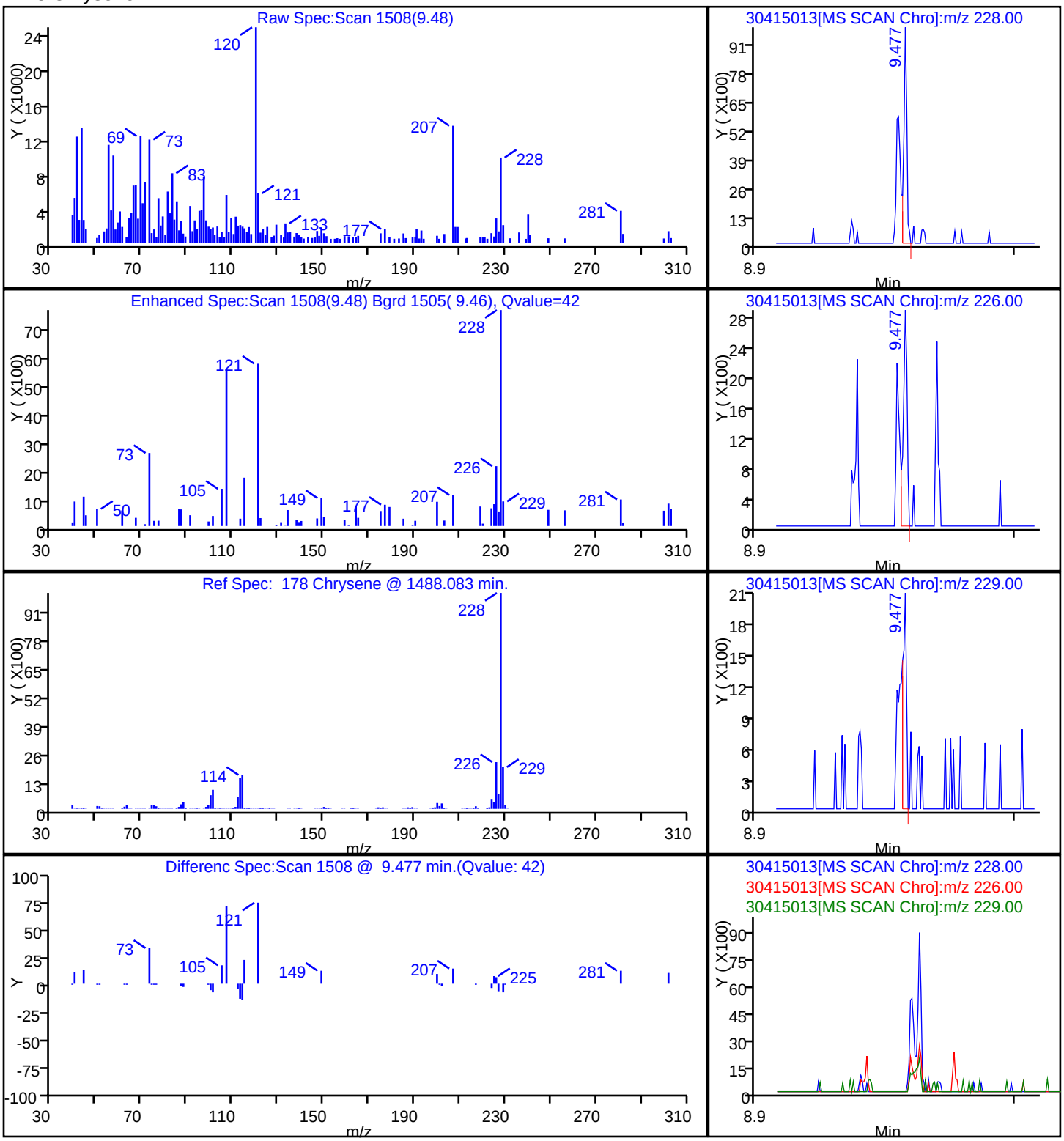
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



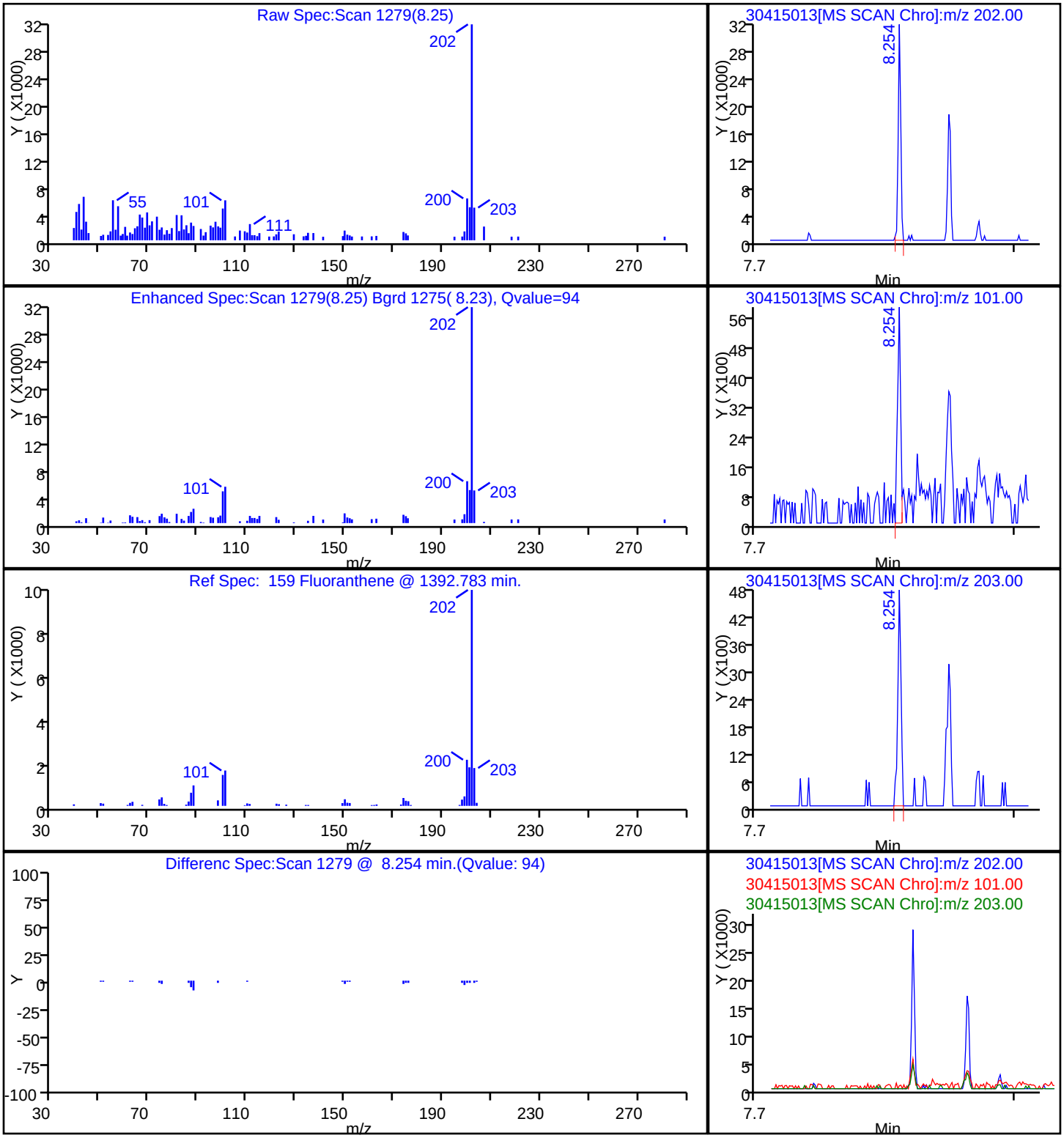
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



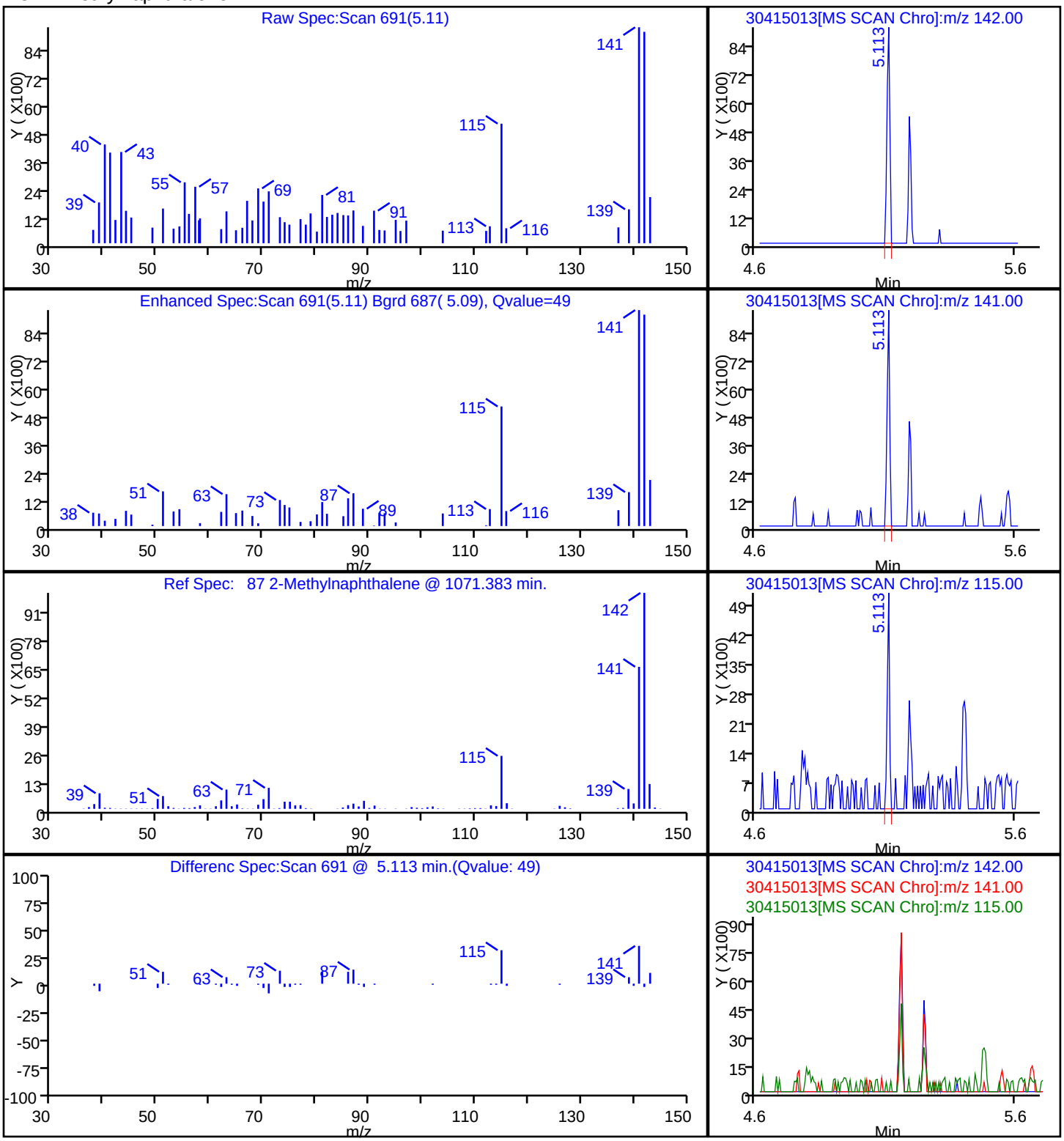
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene

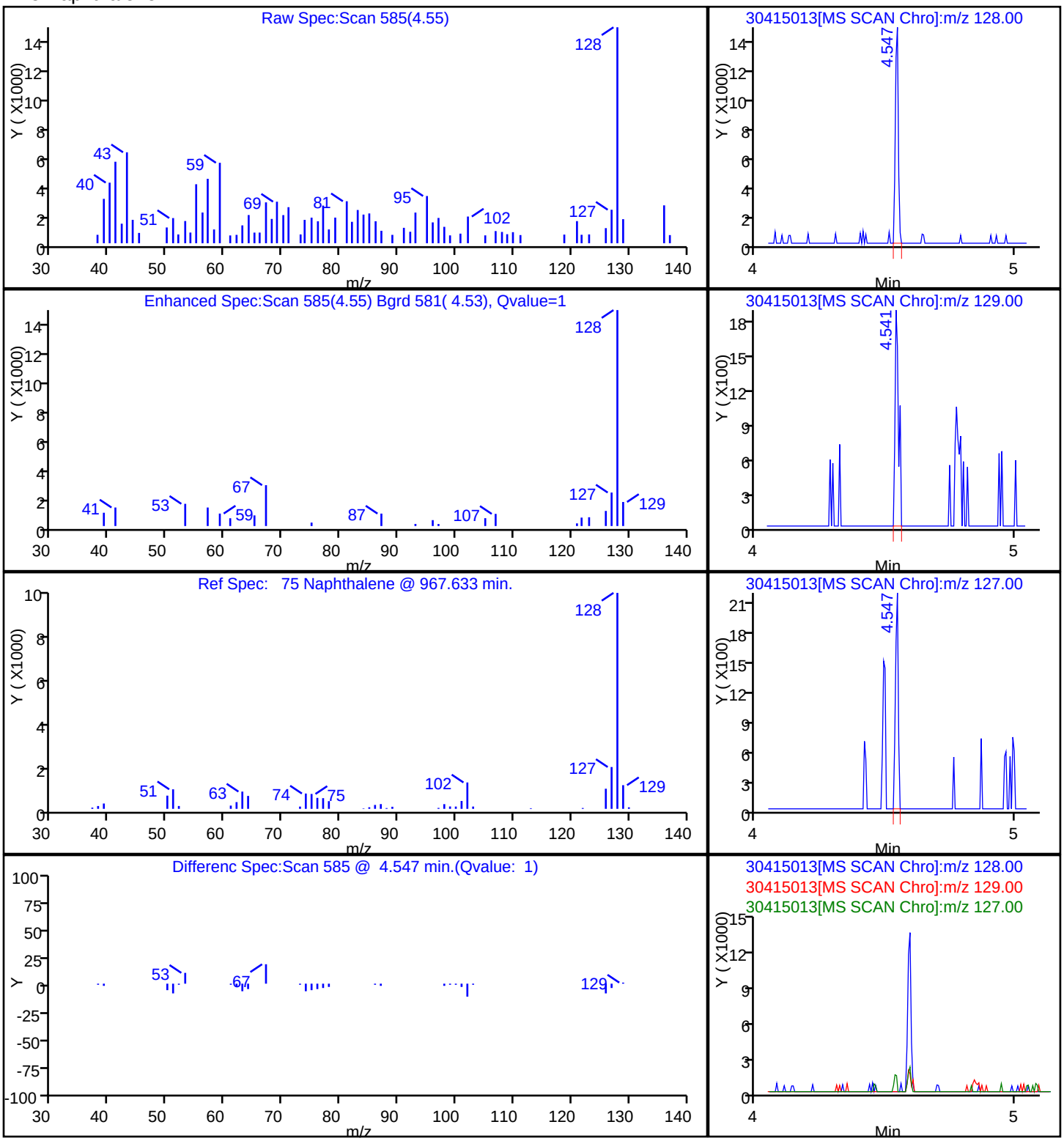


Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D		
Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



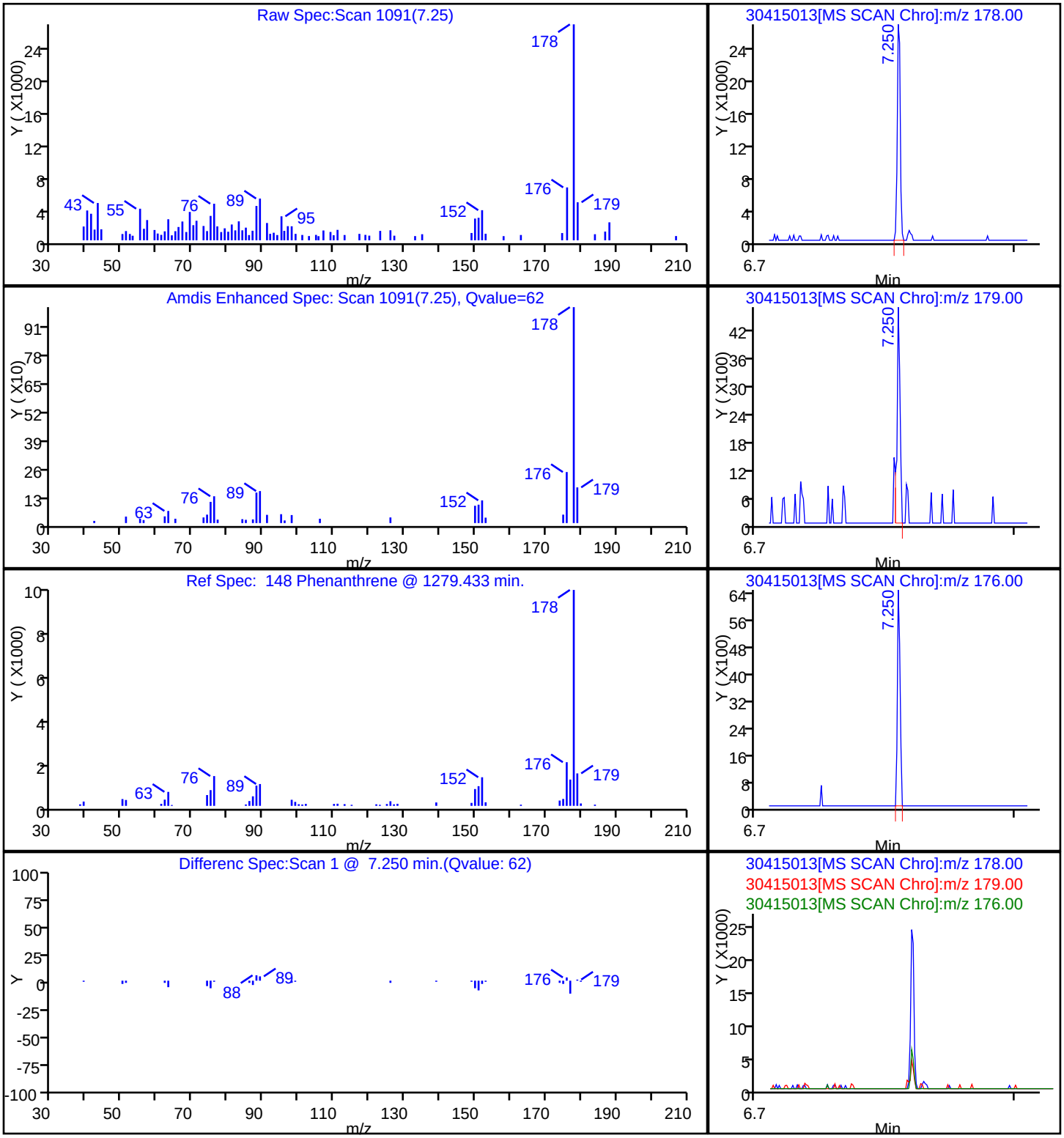
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



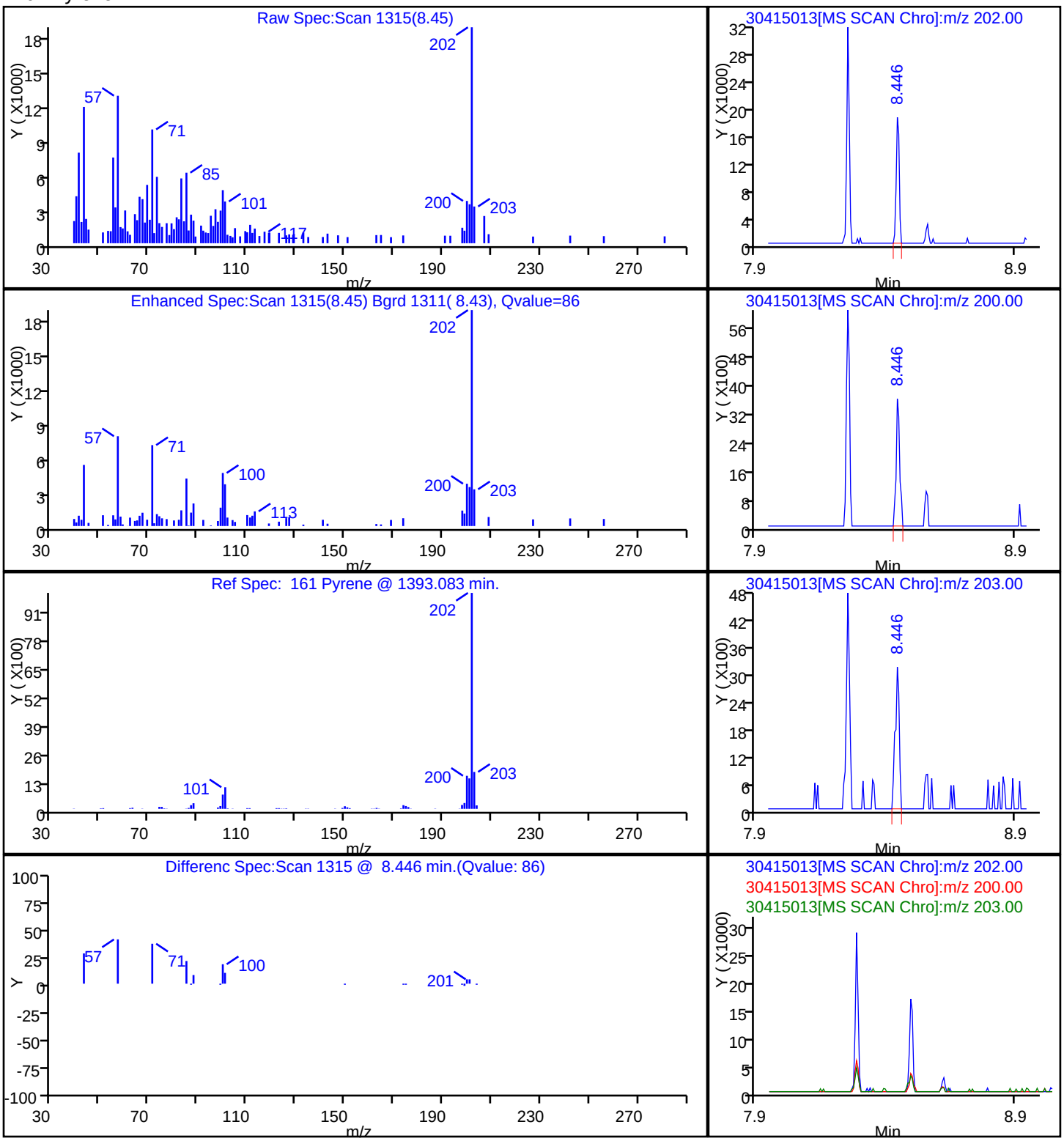
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415013.D

Injection Date:	15-Apr-2013 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO | Lab Sample ID: 240-22488-23

Matrix: Solid | Lab File ID: 30415014.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.04(g) | Date Analyzed: 04/15/2013 14:03

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.: 81882 | 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	15		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	16		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	28		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	13		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U M	660	330	330
207-08-9	Benzo[k]fluoranthene	9.6	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	27	J	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	21	J	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U J	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	23		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 J	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U J	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO | Lab Sample ID: 240-22488-23

Matrix: Solid | Lab File ID: 30415014.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.04(g) | Date Analyzed: 04/15/2013 14:03

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.: 81882 | 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	50	27	27
206-44-0	Fluoranthene	31		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	12		6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	8.6		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	9.2		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U J	200	80	16
100-01-6	4-Nitroaniline	27	U J	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	16		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	26		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.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO | Lab Sample ID: 240-22488-23

Matrix: Solid | Lab File ID: 30415014.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.04(g) | Date Analyzed: 04/15/2013 14:03

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	57		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	48		35-100
4165-62-2	Phenol-d5 (Surr)	64		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D
Lims ID: 240-22488-G-23-I Client ID: 079SS-0053M-0001-SO
Inject. Date: 15-Apr-2013 14:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018860-014
Misc. Info.: 240-22488-G-23-I =240-22488-G-23-I
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 81882 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:56:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.524	3.517	0.007	94	158483	4.00	
* 2 Naphthalene-d8	136	4.529	4.527	0.002	99	712573	4.00	
* 3 Acenaphthene-d10	164	5.982	5.985	-0.003	74	430909	4.00	
* 4 Phenanthrene-d10	188	7.232	7.235	-0.003	96	739586	4.00	
* 5 Chrysene-d12	240	9.459	9.463	-0.004	91	748771	4.00	
* 6 Perylene-d12	264	10.795	10.793	0.002	97	655417	4.00	
$ 7 2-Fluorophenol	112	2.643	2.555	0.088	95	592323	8.58	
$ 8 Phenol-d5	99	3.214	3.202	0.012	93	931490	9.66	
$ 9 Nitrobenzene-d5	82	3.941	3.944	-0.003	85	525961	4.76	
$ 10 2-Fluorobiphenyl (Surr)	172	5.410	5.408	0.002	98	704031	5.78	
$ 11 2,4,6-Tribromophenol	330	6.644	6.647	-0.003	83	138349	10.0	
$ 12 Terphenyl-d14	244	8.562	8.565	-0.003	98	779267	5.53	
43 Phenol	94		3.212					9
69 Bis(2-chloroethyl)ether	93		3.293					9
46 2-Chlorophenol	128		3.357					9
47 1,3-Dichlorobenzene	146		3.474					9
48 1,4-Dichlorobenzene	146		3.528					9
49 Benzyl alcohol	108		3.608					
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					9
53 2,2'-oxybis[1-chloropropane]	45		3.704					9
21 3 & 4 Methylphenol	108		3.800					9
57 N-Nitrosodi-n-propylamine	70		3.811					
61 Hexachloroethane	117		3.918					9
62 Nitrobenzene	77		3.960					
64 Isophorone	82		4.147					
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					9
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122	4.251	4.313	-0.062	61	8809	0.2193	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.404					
74 1,2,4-Trichlorobenzene	180		4.473					
75 Naphthalene	128	4.545	4.548	-0.003	71	23709	0.1375	
76 4-Chloroaniline	127		4.575					9
79 Hexachlorobutadiene	225		4.633					
86 4-Chloro-3-methylphenol	107		4.970					9
87 2-Methylnaphthalene	142	5.111	5.114	-0.003	67	13931	0.1285	
89 Hexachlorocyclopentadiene	237		5.242					
92 2,4,6-Trichlorophenol	196		5.339					
93 2,4,5-Trichlorophenol	196		5.376					
100 2-Chloronaphthalene	162		5.520					
102 2-Nitroaniline	65		5.595					9
105 Dimethyl phthalate	163		5.739					9
107 2,6-Dinitrotoluene	165		5.793					9
109 Acenaphthylene	152		5.867					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					9
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					9
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					9
121 Diethyl phthalate	149		6.332					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					9
125 4-Nitroaniline	138		6.450					9
128 4,6-Dinitro-2-methylphenol	198		6.476					
131 N-Nitrosodiphenylamine	169		6.535					9
139 4-Bromophenyl phenyl ether	248		6.850					
141 Hexachlorobenzene	284		6.909					
143 Pentachlorophenol	266		7.069					
148 Phenanthrene	178	7.253	7.256	-0.003	96	45129	0.2454	
149 Anthracene	178		7.299					
151 Carbazole	167		7.427					
154 Di-n-butyl phthalate	149		7.700					
159 Fluoranthene	202	8.252	8.255	-0.003	97	92729	0.4696	
161 Pyrene	202	8.450	8.453	-0.003	94	78664	0.3936	
168 Butyl benzyl phthalate	149	8.962	8.961	0.001	83	29180	0.3163	
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149	9.433	9.431	0.002	71	51723	0.4098	
177 Benzo[a]anthracene	228	9.449	9.452	-0.003	83	44145	0.2323	
178 Chrysene	228	9.481	9.484	-0.003	54	60696	0.3397	
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.383	10.392	-0.009	84	76860	0.4184	
183 Benzo[k]fluoranthene	252	10.410	10.419	-0.009	1	27473	0.1441	M
184 Benzo[a]pyrene	252	10.731	10.739	-0.008	57	40069	0.2336	
188 Indeno[1,2,3-cd]pyrene	276	12.178	12.193	-0.015	86	33941	0.1860	
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276	12.600	12.620	-0.020	71	30474	0.1986	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

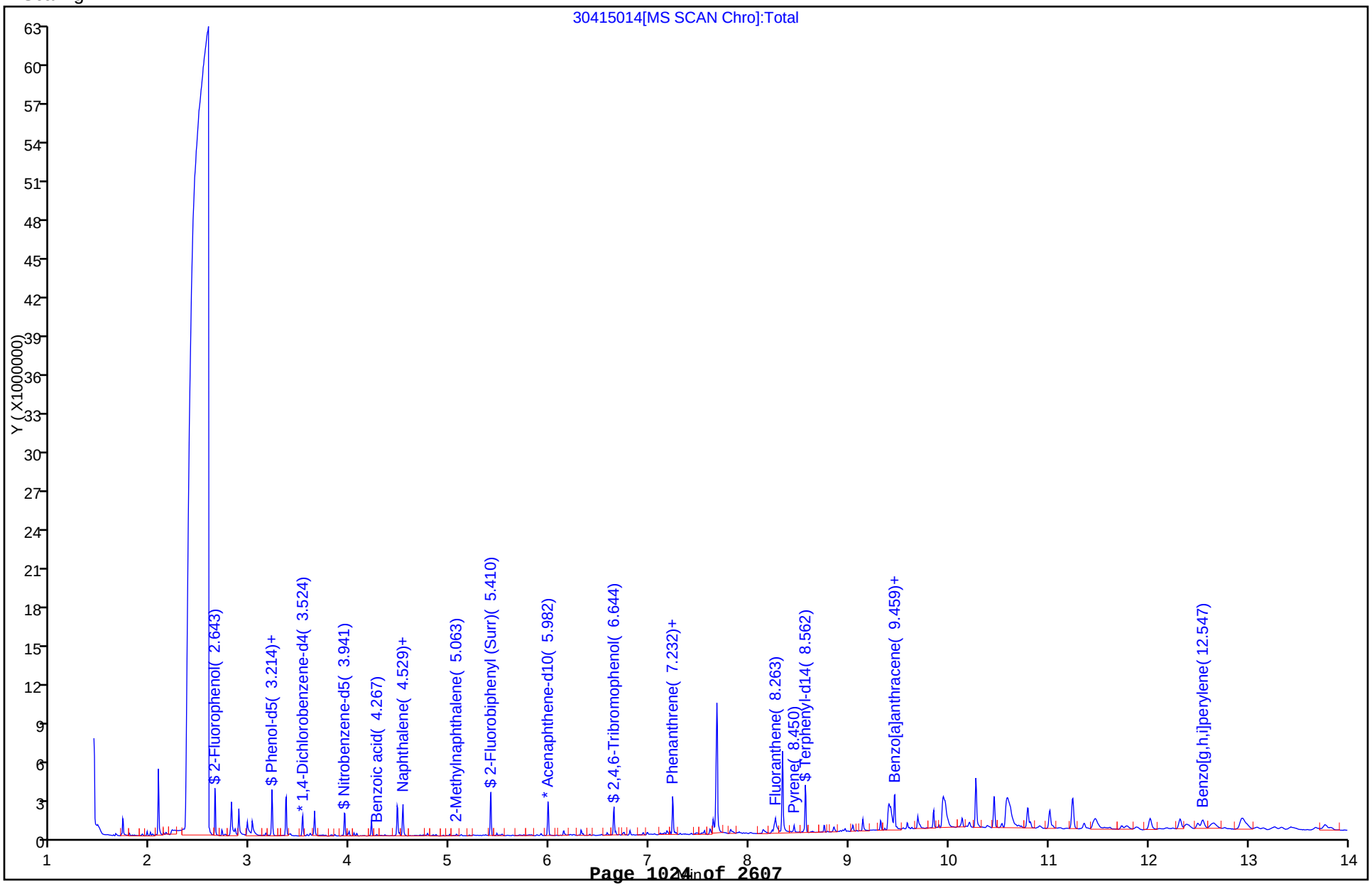
Review Flags
M - Manually Integrated

Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D		
Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



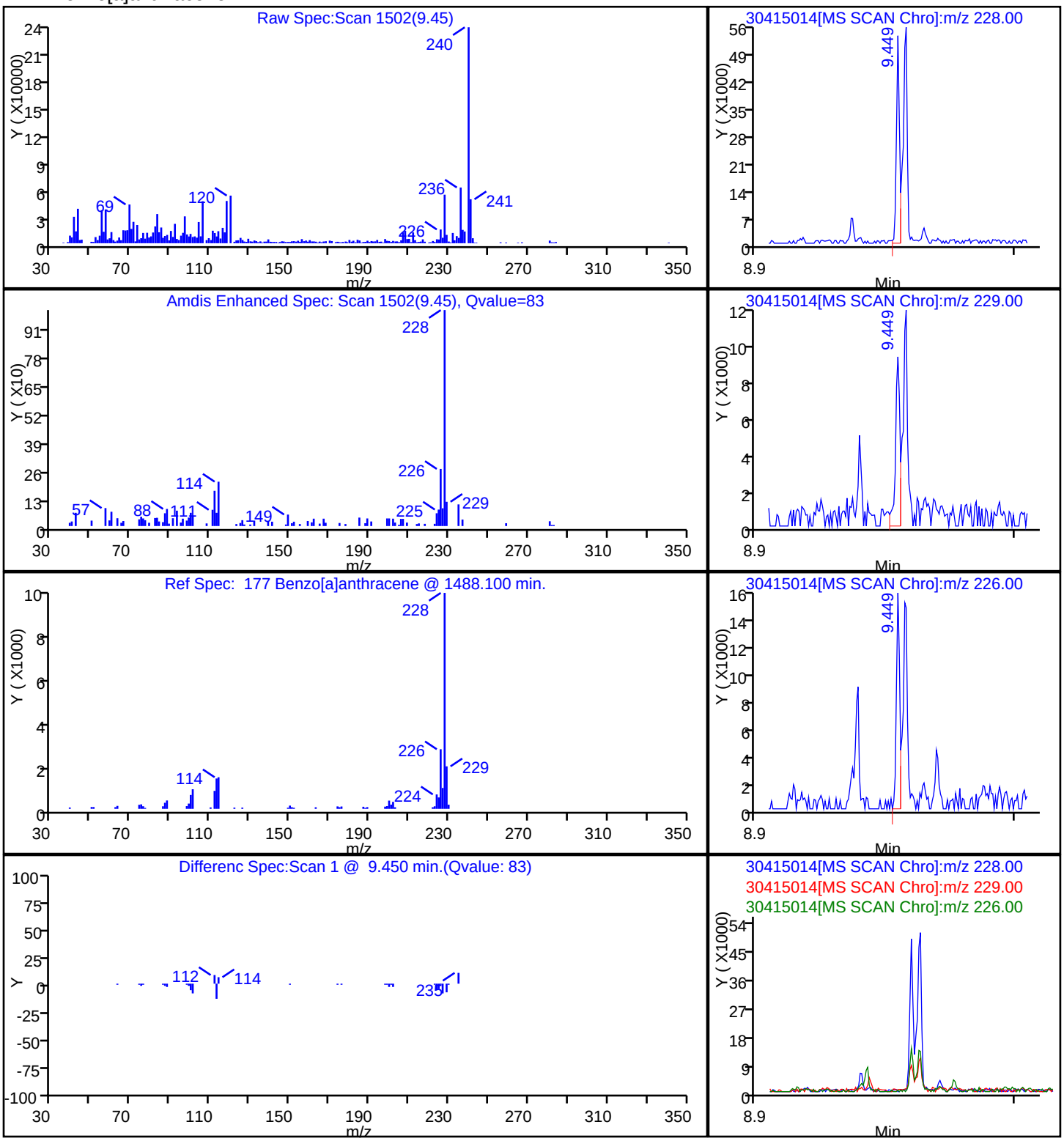
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



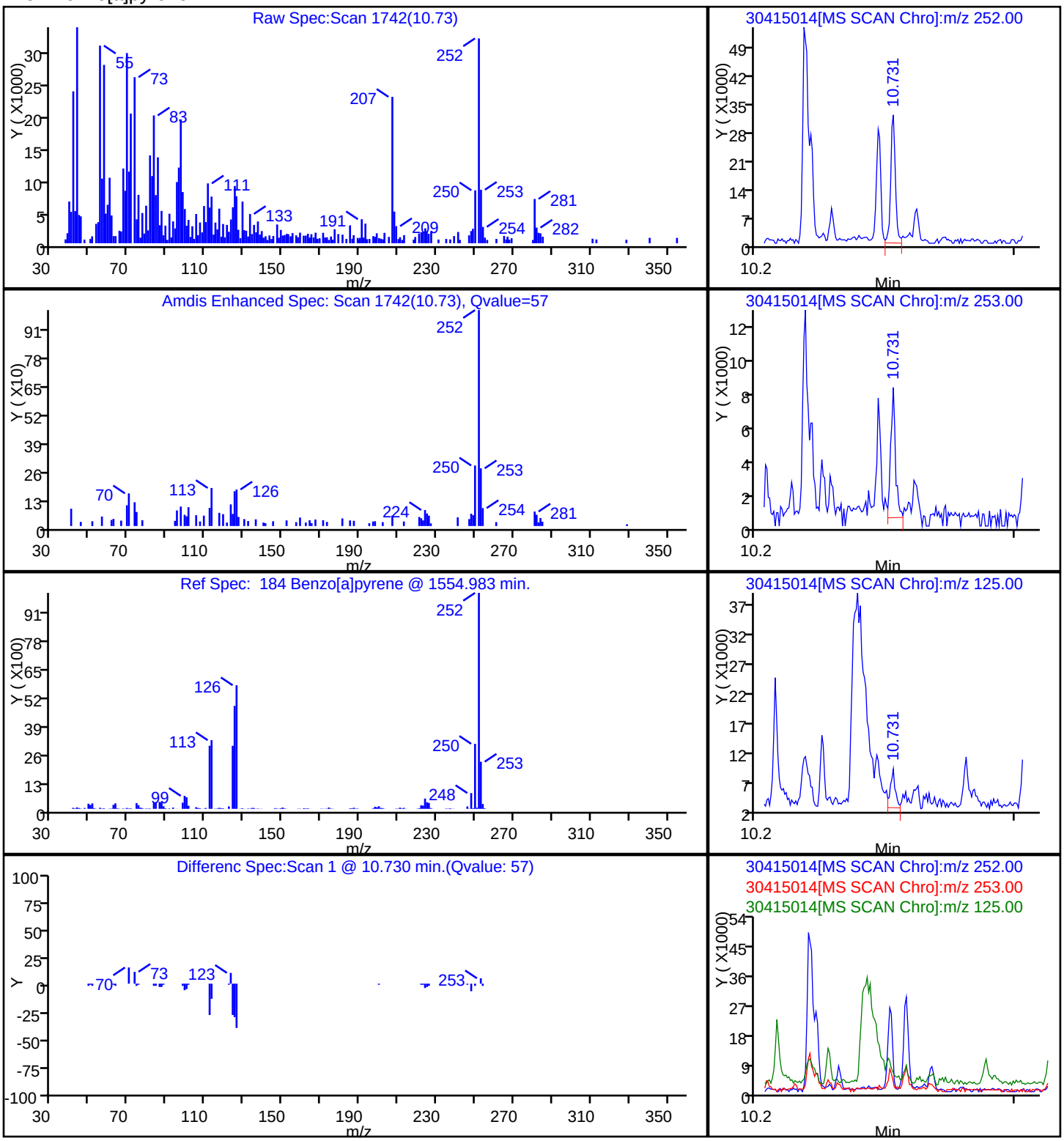
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



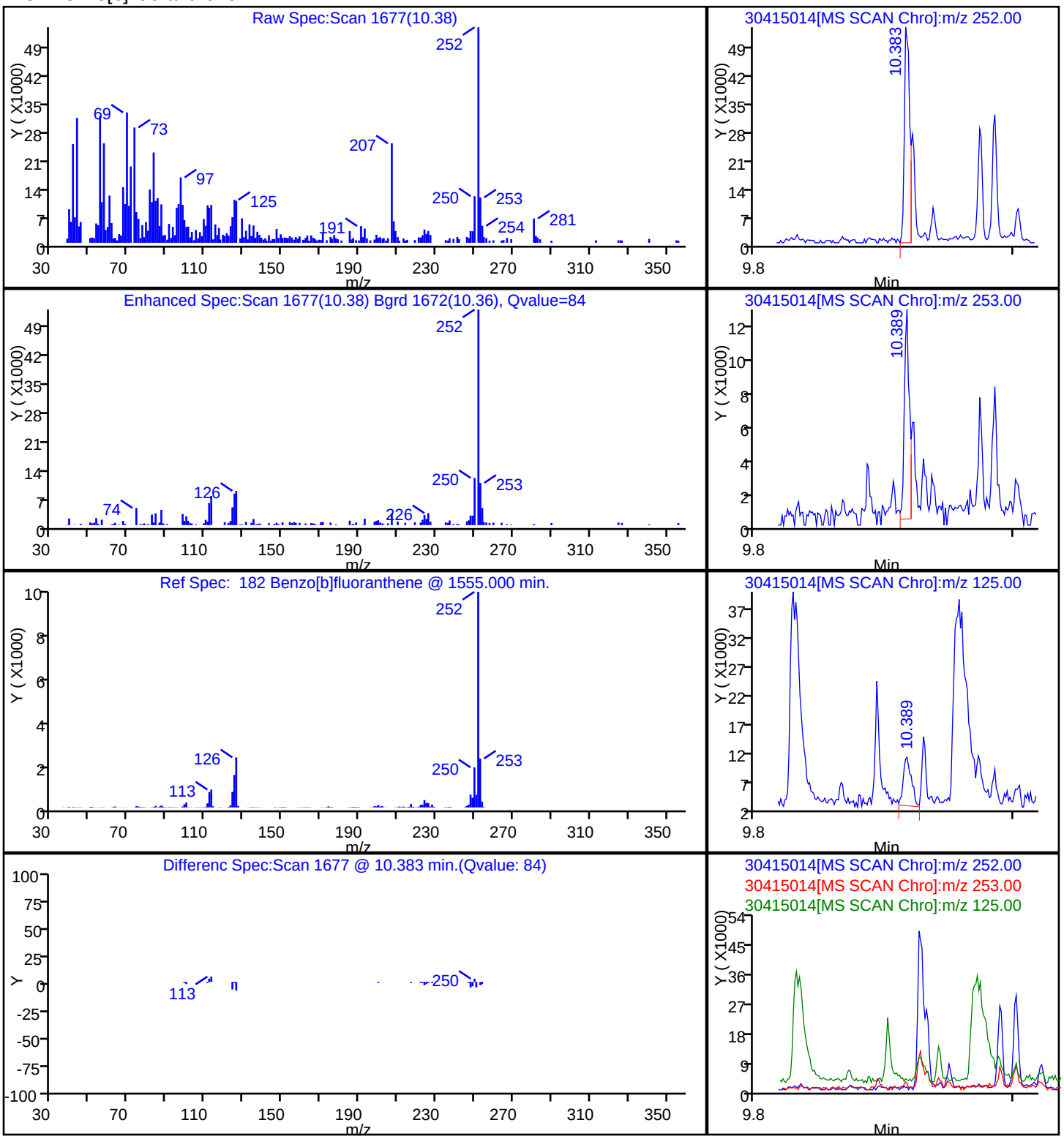
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

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Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



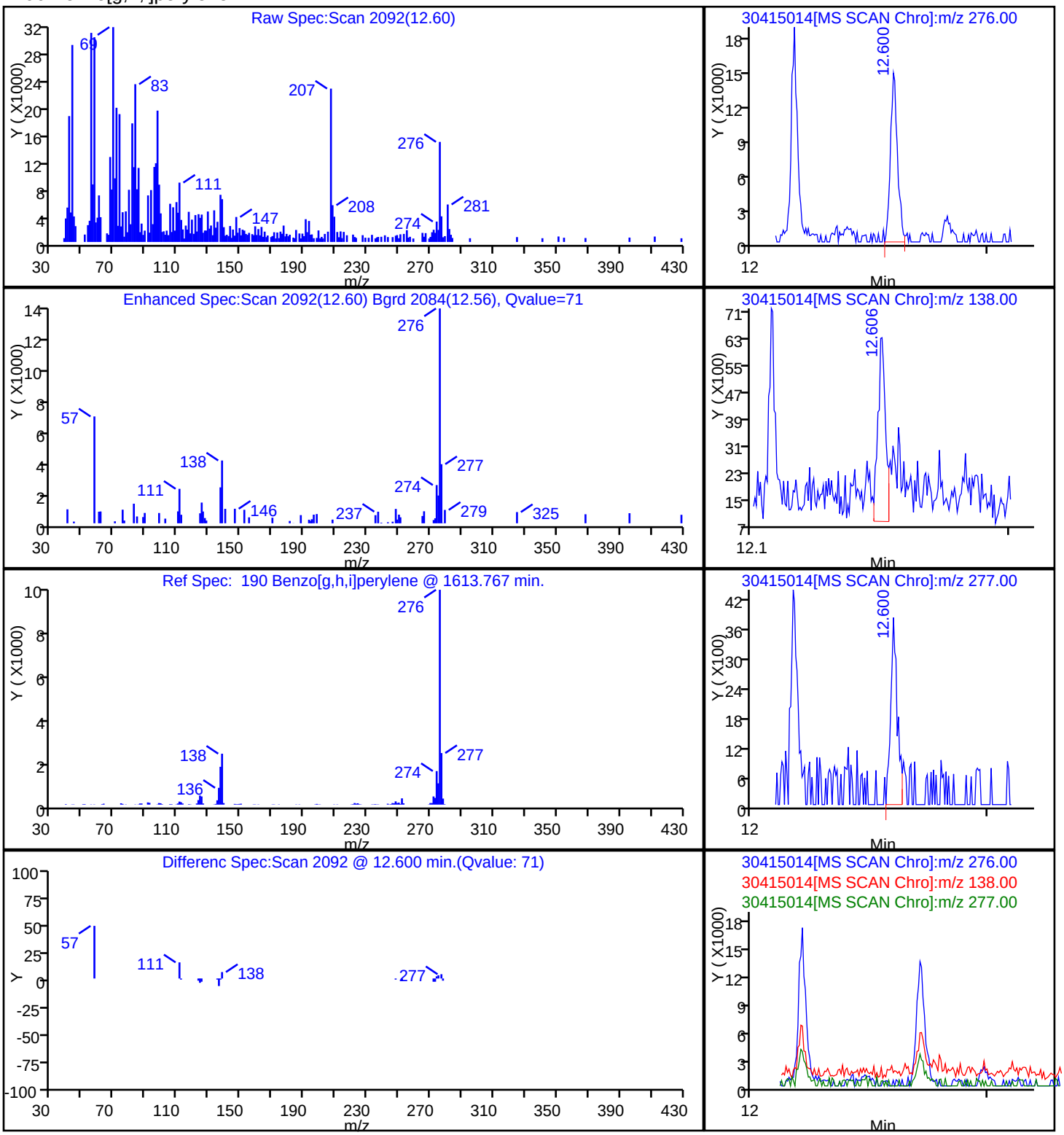
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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



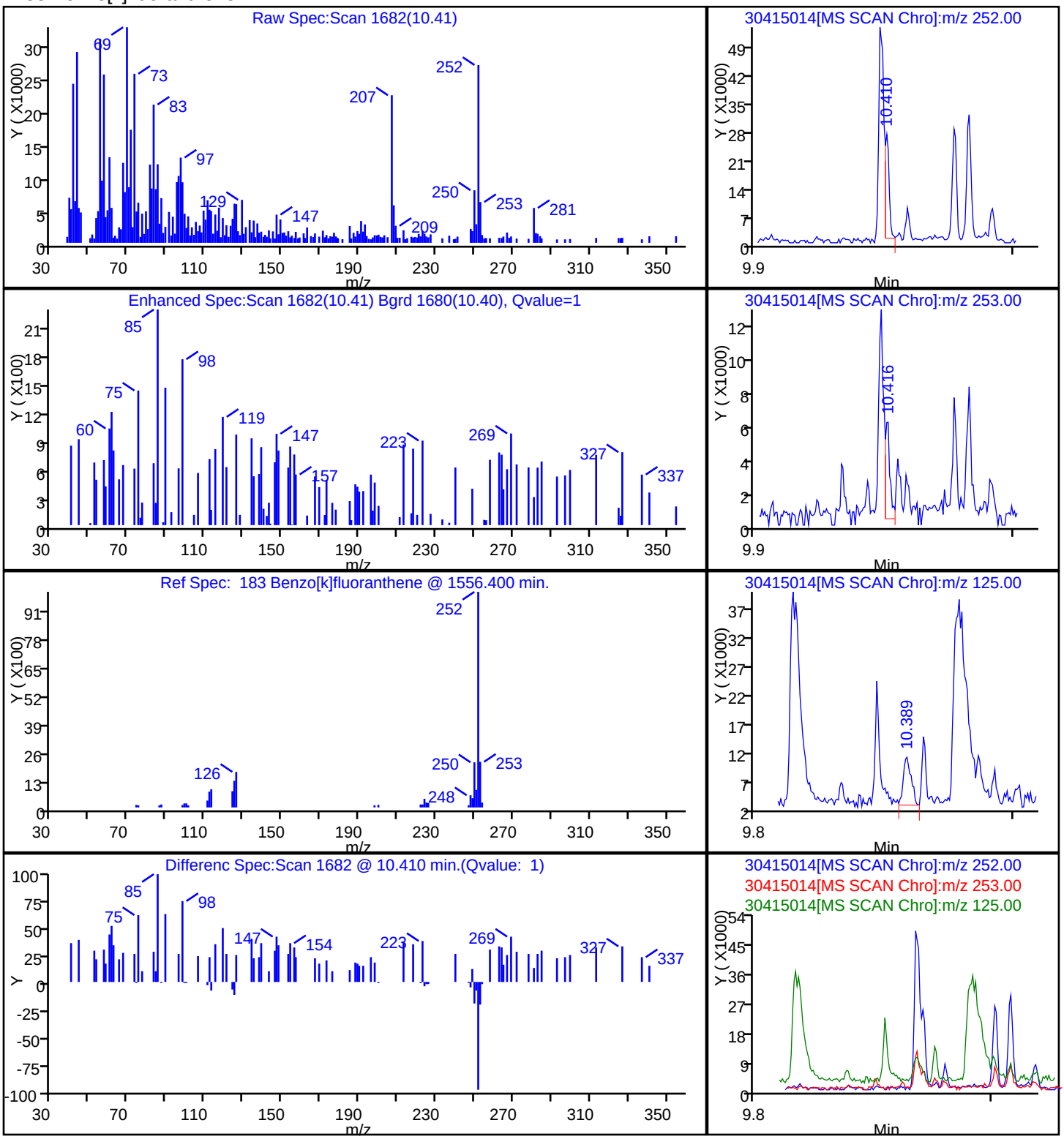
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



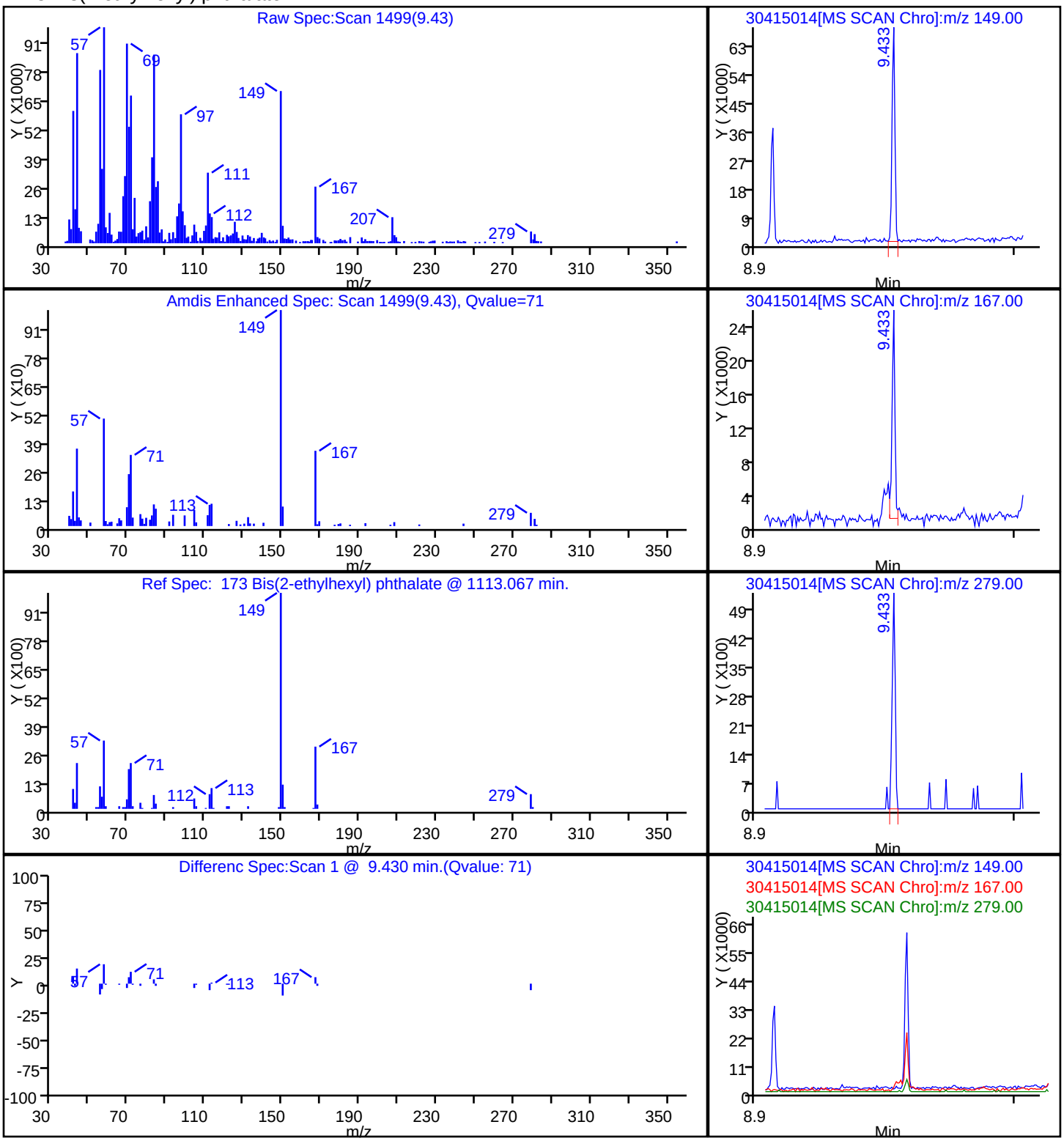
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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



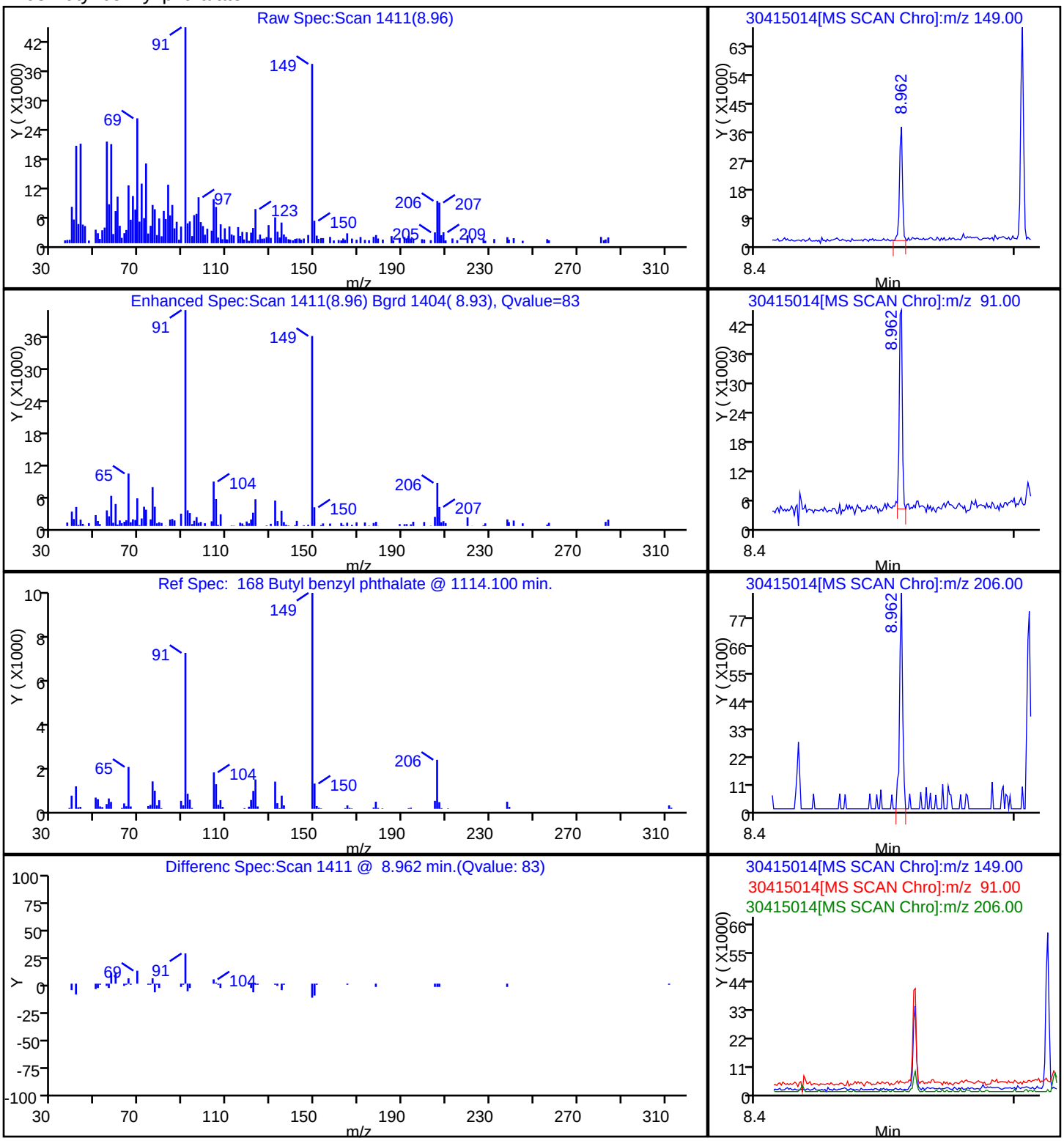
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 Butyl benzyl phthalate



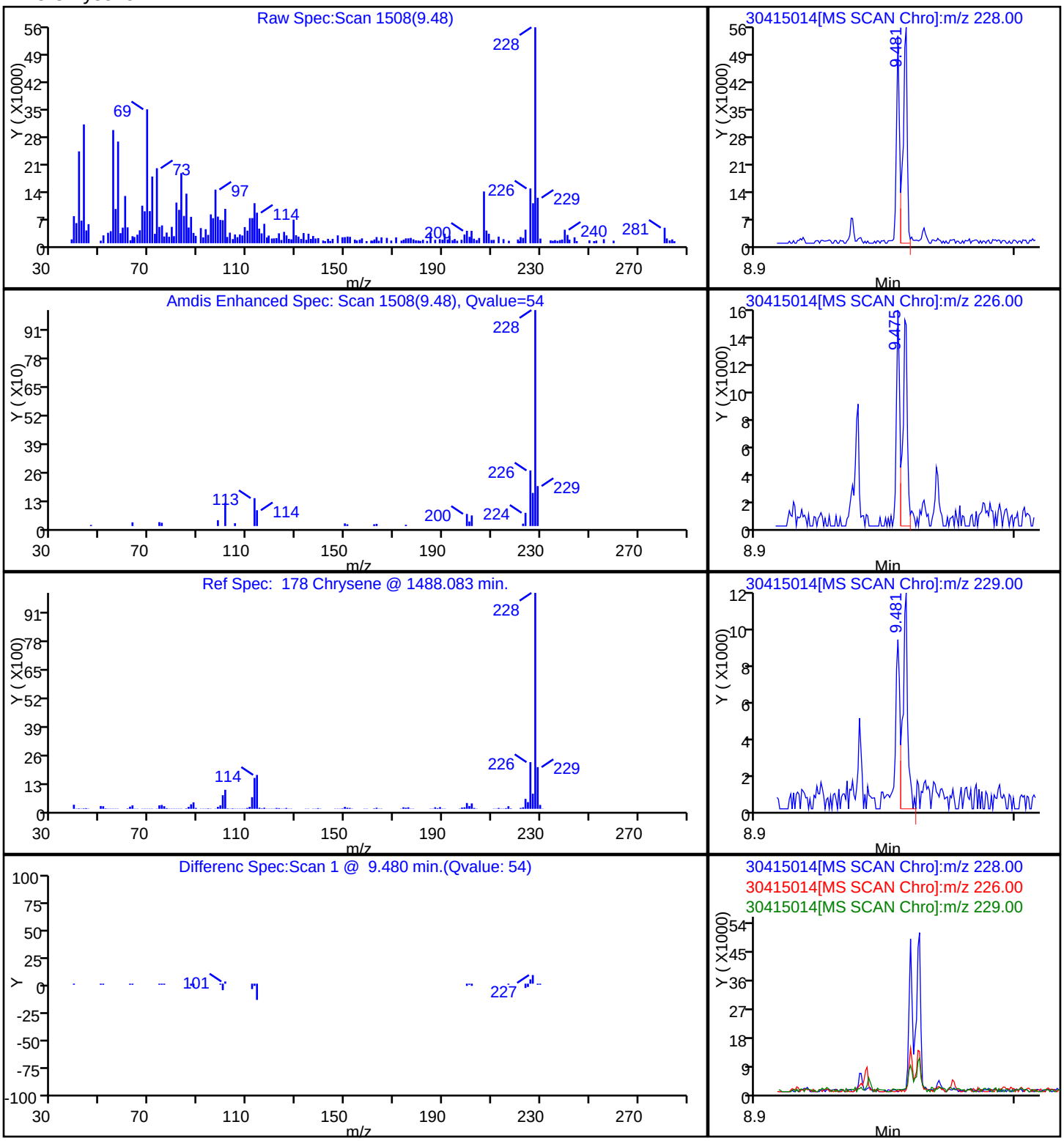
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



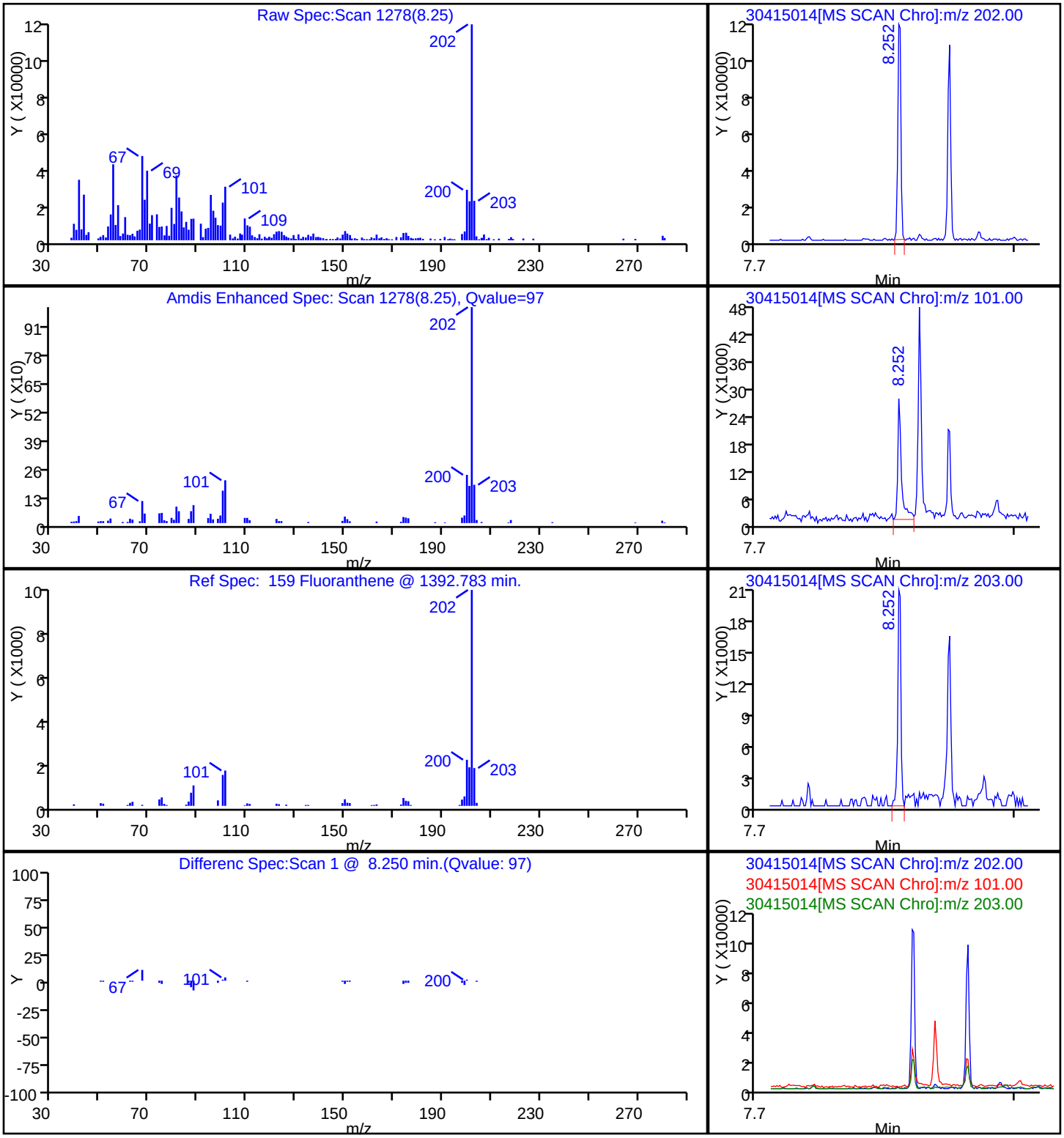
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



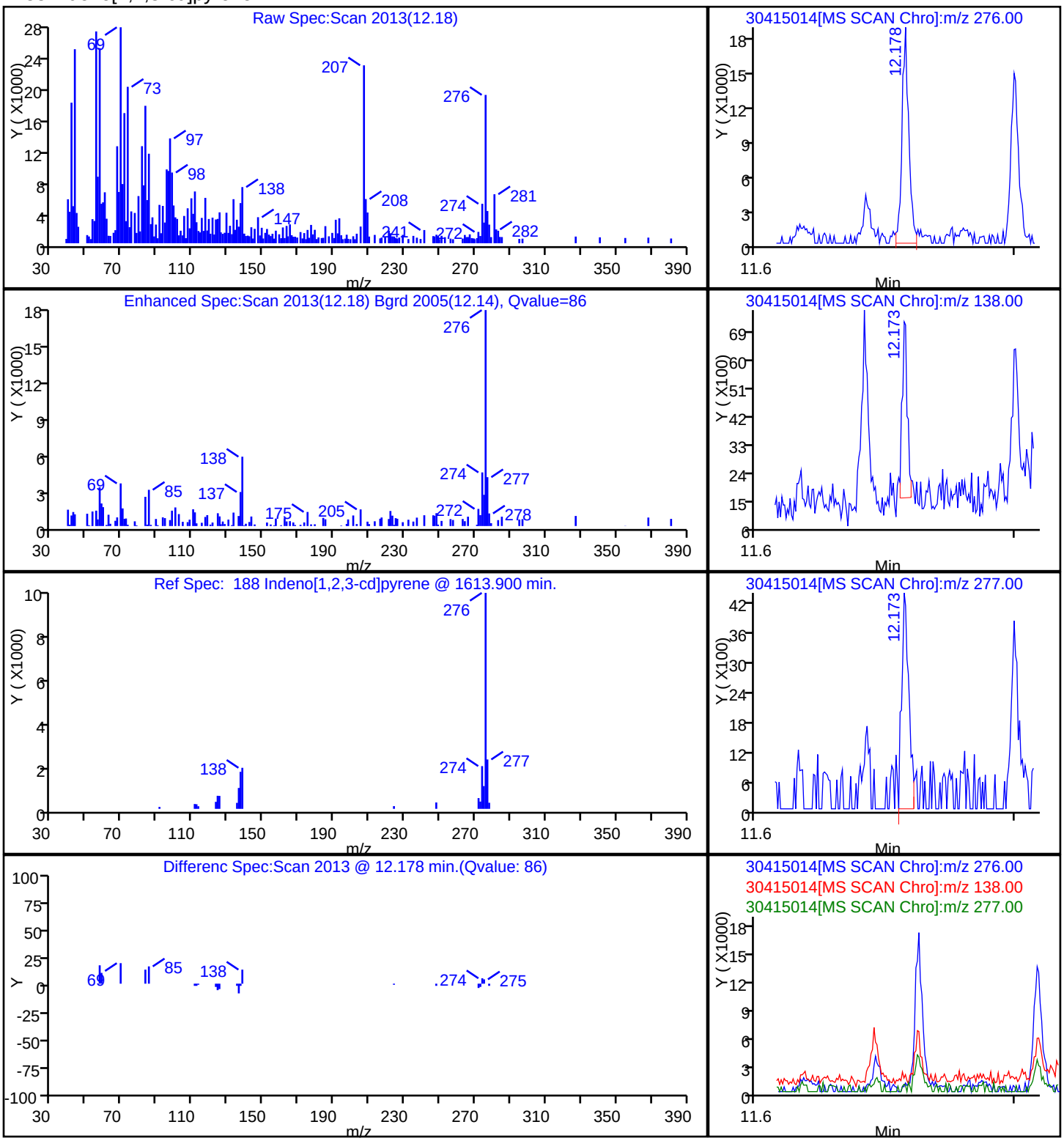
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	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



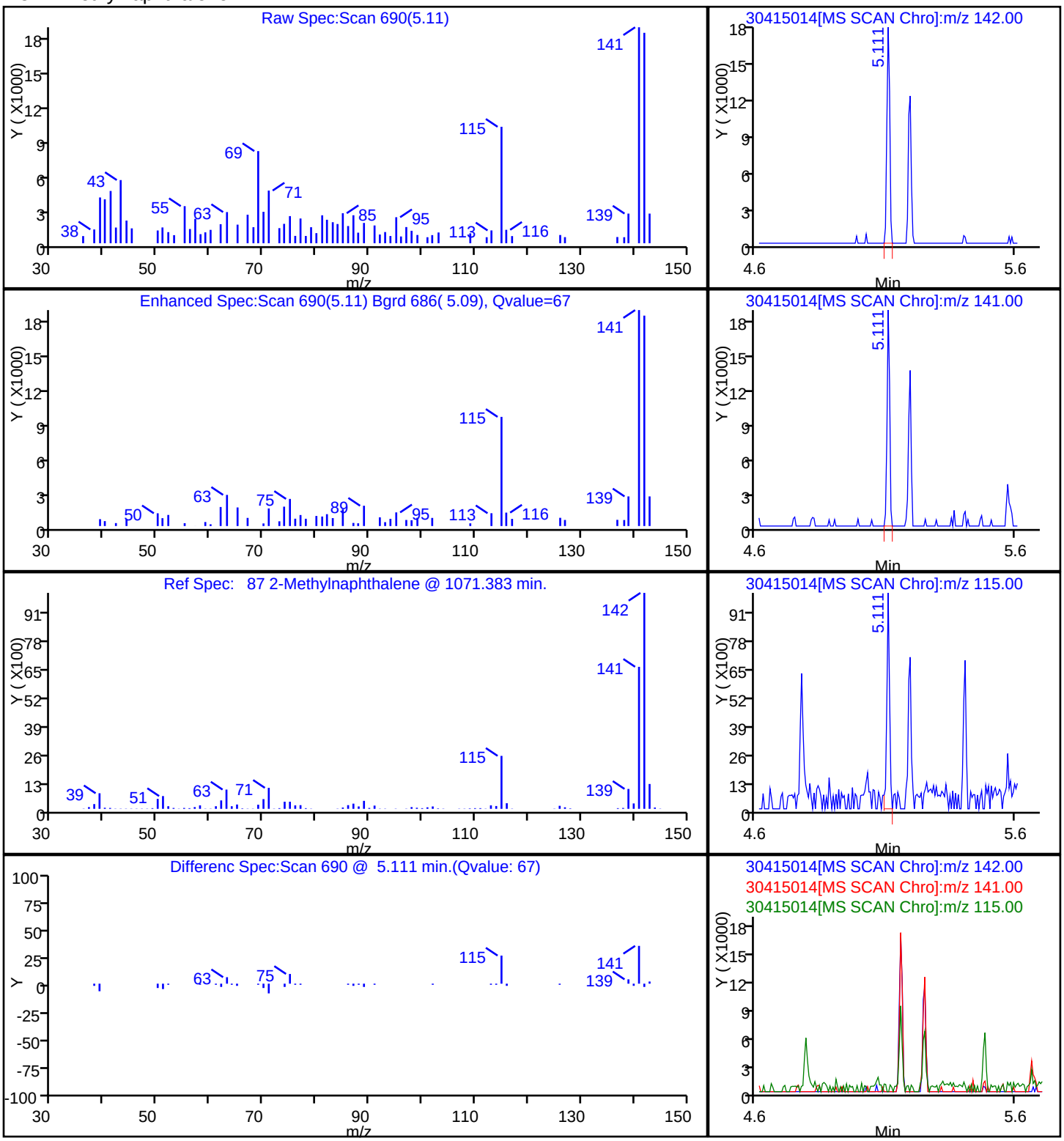
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



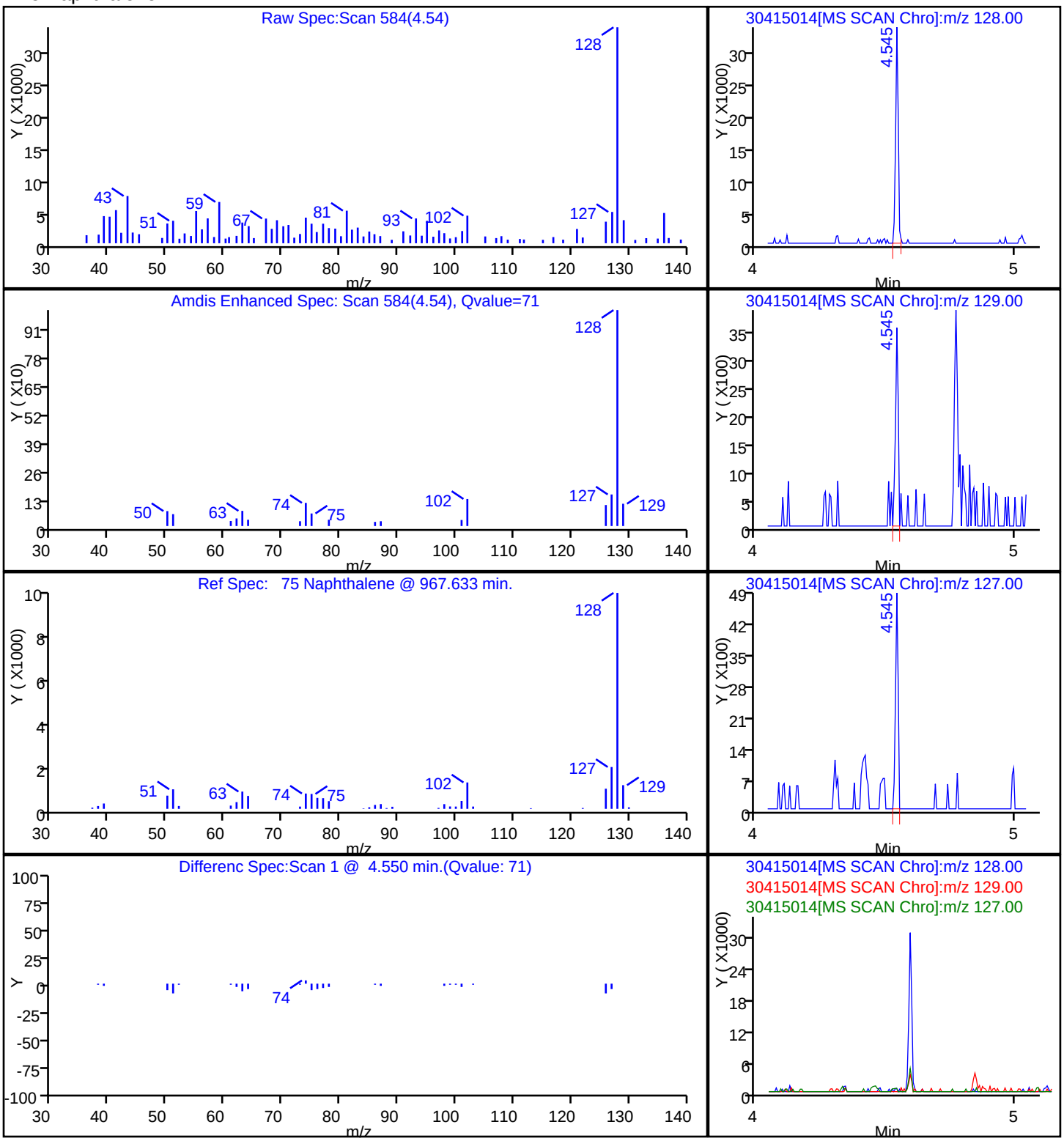
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



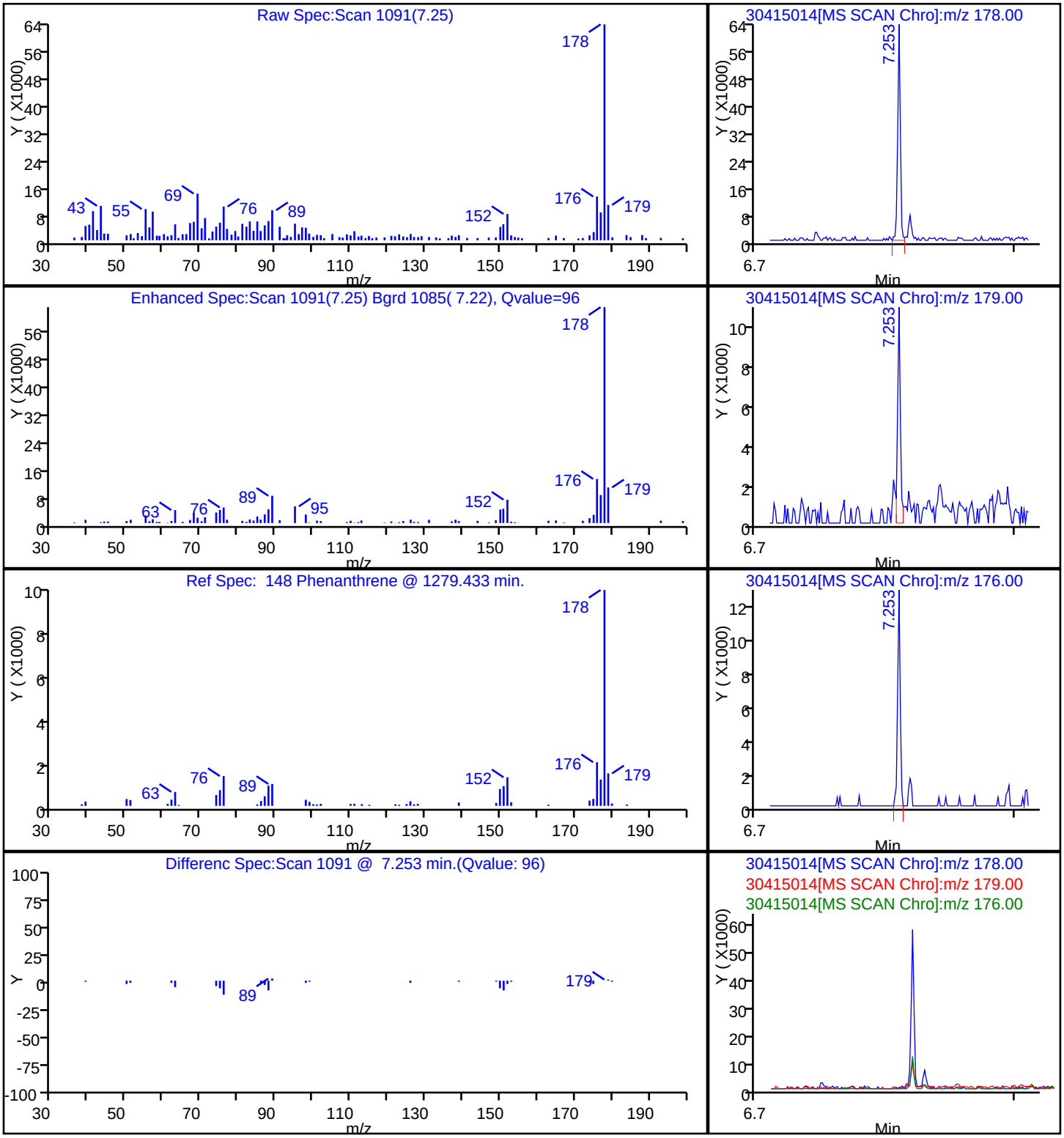
Report Date: 16-Apr-2013 10:48:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



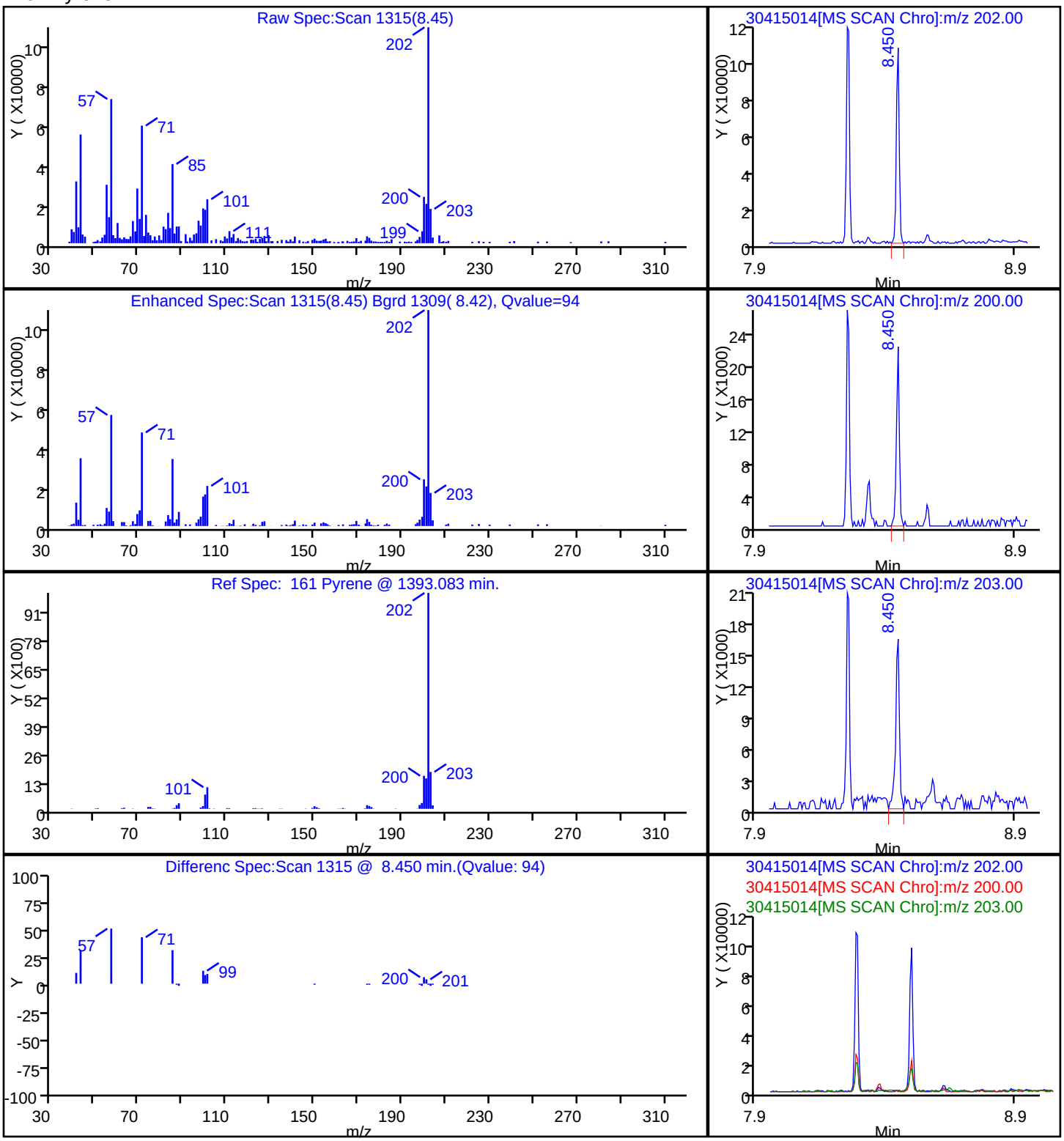
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D

Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
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

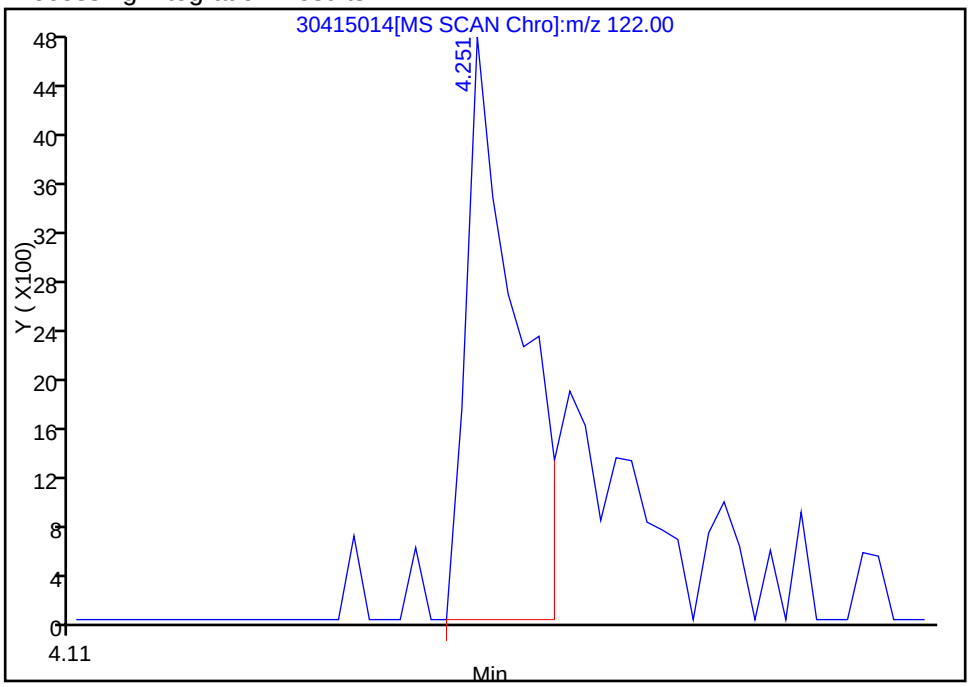
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D		
Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
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: 4.31

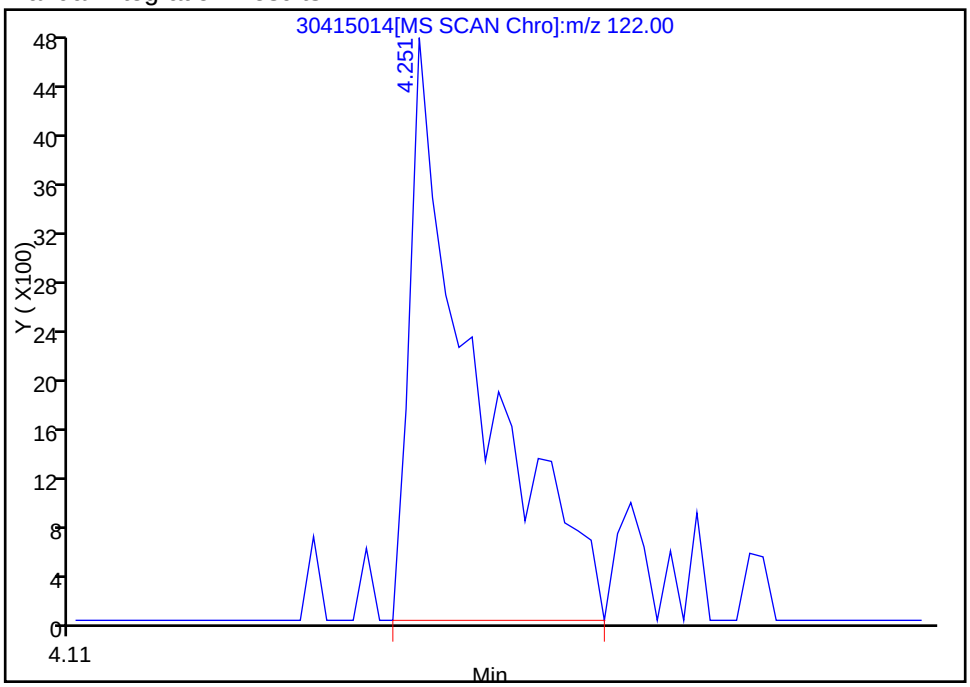
Processing Integration Results

RT: 4.25
Response: 5908
Amount: 0.147113



Manual Integration Results

RT: 4.25
Response: 8809
Amount: 0.219350



Reviewer: ulmanm, 16-Apr-2013 08:56:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

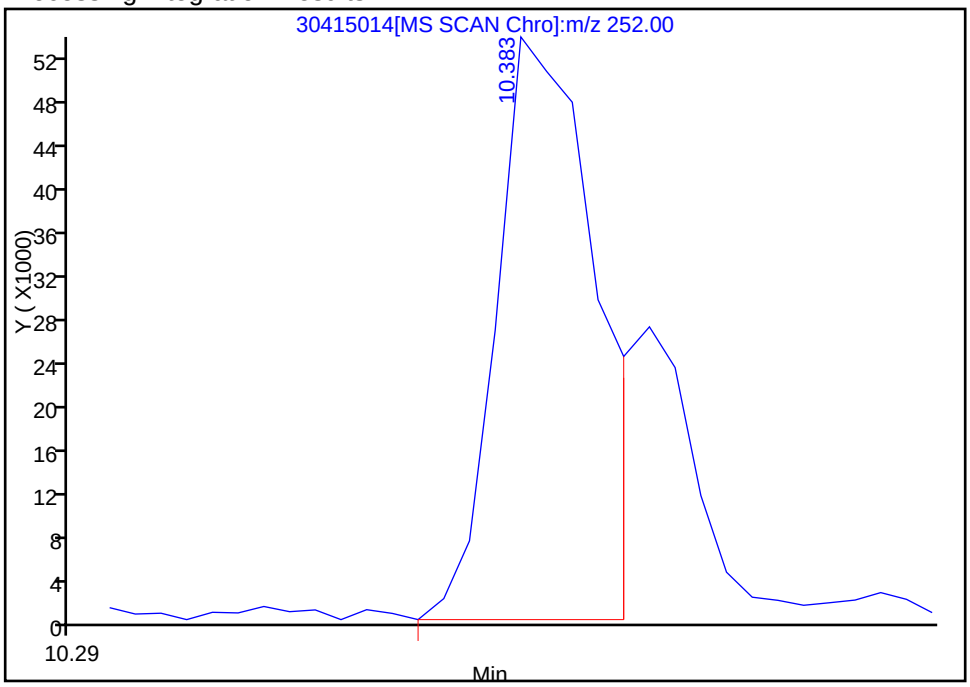
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415014.D		
Injection Date:	15-Apr-2013 14:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	14
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: 10.42

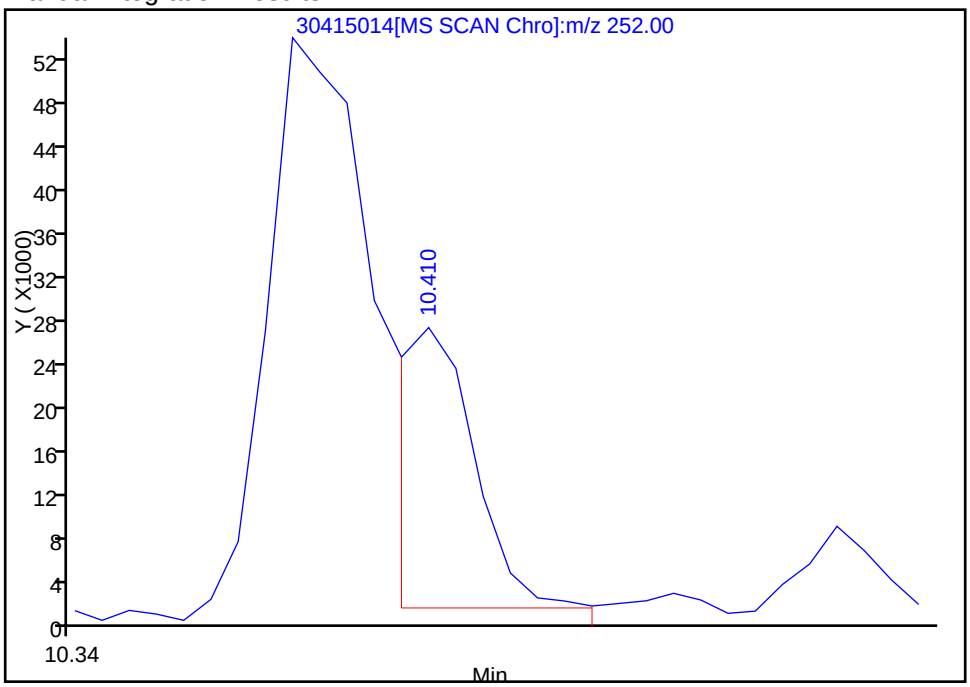
Processing Integration Results

RT: 10.38
Response: 76860
Amount: 0.403256



Manual Integration Results

RT: 10.41
Response: 27473
Amount: 0.144141



Reviewer: ulmanm, 16-Apr-2013 08:56:46
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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81433/6	30411006.D
Level 2	STD2 240-81433/5	30411005.D
Level 3	STD3 240-81433/4	30411004.D
Level 4	STD4 240-81433/3	30411003.D
Level 5	STD5 240-81433/2	30411002.D
Level 6	STD6 240-81433/10	30411010.D
Level 7	STD7 240-81433/9	30411009.D
Level 8	STD8 240-81433/8	30411008.D
Level 9	STD9 240-81433/7	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	0.8575	0.8540 0.7484	0.8508 0.8430	0.8084 0.8145	0.8501	Ave		0.8284			0.0500	4.5		15.0			
N-Nitrosodimethylamine	1.5095	1.4844 1.4757	1.5819 1.6009	1.4658 1.5474	1.5117	Ave		1.5222			0.0500	3.3		15.0			
Pyridine	2.4980	2.4266 2.3710	2.4403 2.5738	2.4388 2.5289	2.3724	Ave		2.4562			0.0500	2.9		15.0			
Benzaldehyde	2.3566 1.9216	2.1000 1.7791	2.1222 1.8125	2.0211 +++++	1.9056	Ave		2.0023			0.0500	9.5		15.0			
Phenol	2.4025	2.5625 2.3656	2.6300 2.4668	2.5129 2.3666	2.3965	Ave		2.4629			0.0500	4.0		15.0			
Aniline	3.2563	3.3286 3.3092	3.3000 3.5151	3.2921 3.3875	3.2391	Ave		3.3285			0.0500	2.6		15.0			
Bis(2-chloroethyl)ether	2.2011	2.2550 2.1376	2.2717 2.2207	2.1629 2.2354	2.1271	Ave		2.2014			0.0500	2.5		15.0			
2-Chlorophenol	1.3645	1.4335 1.3008	1.4373 1.3416	1.3836 1.2801	1.3852	Ave		1.3658			0.0500	4.2		15.0			
1,3-Dichlorobenzene	1.3713	1.4488 1.3418	1.4356 1.4198	1.4011 1.3892	1.3912	Ave		1.3999			0.0500	2.5		15.0			
1,4-Dichlorobenzene	1.4008	1.4661 1.3510	1.4640 1.4394	1.4672 1.4109	1.3973	Ave		1.4246			0.0500	2.9		15.0			
Benzyl alcohol	1.1802	1.2414 1.1837	1.1782 1.2327	1.2015 1.1945	1.1549	Ave		1.1959			0.0500	2.4		15.0			
1,2-Dichlorobenzene	1.3165	1.3052 1.3068	1.3711 1.3751	1.3932 1.3372	1.3138	Ave		1.3399			0.0500	2.6		15.0			
2-Methylphenol	1.6194	1.6283 1.5958	1.7153 1.6627	1.5728 1.6171	1.5901	Ave		1.6252			0.0500	2.8		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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	2.2829	2.2845 2.2384	2.1908 2.3103	2.2341 2.2306	2.1637	Ave		2.2419			0.0500	2.2		15.0			
Indene	2.8097	3.0071 2.7617	2.9331 2.9022	2.9522 2.8518	2.7740	Ave		2.8740			0.0500	3.1		15.0			
3 & 4 Methylphenol	1.7070	1.7207 1.7283	1.6880 1.8088	1.7134 1.7528	1.6965	Ave		1.7269			0.0500	2.2		15.0			
N-Nitrosodi-n-propylamine	1.8222	1.8967 1.8459	1.8826 1.8660	1.8254 1.8058	1.8268	Ave		1.8464			0.0500	1.7		15.0			
Acetophenone	2.5975	2.6964 2.5786	2.6348 2.6717	2.5602 2.5458	2.5366	Ave		2.6027			0.0500	2.3		15.0			
Hexachloroethane	0.7051	0.7321 0.6920	0.7410 0.7305	0.6926 0.7066	0.6858	Ave		0.7107			0.0500	3.0		15.0			
Nitrobenzene	0.5803	0.5983 0.5834	0.5974 0.6208	0.5858 0.6091	0.5883	Ave		0.5954			0.0500	2.3		15.0			
Isophorone	0.9809	1.0017 1.0040	0.9965 1.0515	1.0088 1.0185	0.9850	Ave		1.0059			0.0500	2.2		15.0			
2-Nitrophenol	0.1622	0.1838 0.1591	0.1755 0.1645	0.1724 0.1565	0.1742	Ave		0.1685			0.0500	5.6		15.0			
2,4-Dimethylphenol	0.3960	0.4248 0.3799	0.4212 0.3977	0.4352 0.3790	0.4101	Ave		0.4055			0.0500	5.1		15.0			
Benzoic acid	0.2183	+++++ 0.2283	0.1867 0.2526	0.2163 0.2480	0.2278	Ave		0.2254			0.0500	9.8		15.0			
Bis(2-chloroethoxy)methane	0.5598	0.5594 0.5433	0.5697 0.5747	0.5857 0.5577	0.5621	Ave		0.5641			0.0500	2.3		15.0			
2,4-Dichlorophenol	0.2385	0.2358 0.2433	0.2525 0.2518	0.2513 0.2466	0.2484	Ave		0.2460			0.0500	2.6		15.0			
1,2,4-Trichlorobenzene	0.2564	0.2692 0.2564	0.2669 0.2715	0.2829 0.2591	0.2689	Ave		0.2664			0.0500	3.4		15.0			
Naphthalene	1.1202 0.9111	0.9635 0.9226	0.9747 0.9734	0.9572 0.9303	0.9583	Ave		0.9679			0.0500	6.3		15.0			
4-Chloroaniline	0.3923	0.4004 0.3972	0.4202 0.4121	0.4175 0.4112	0.4222	Ave		0.4092			0.0500	2.7		15.0			
Hexachlorobutadiene	0.1452	0.1498 0.1472	0.1490 0.1578	0.1563 0.1531	0.1528	Ave		0.1514			0.0500	2.9		15.0			
Caprolactam	0.1255	0.1204 0.1259	0.1269 0.1382	0.1281 0.1344	0.1320	Ave		0.1289			0.0500	4.4		15.0			
4-Chloro-3-methylphenol	0.3554	0.3703 0.3618	0.3649 0.3845	0.3796 0.3656	0.3638	Ave		0.3682			0.0500	2.6		15.0			
2-Methylnaphthalene	0.7023 0.5803	0.5951 0.5786	0.6031 0.6149	0.6067 0.5913	0.6062	Ave		0.6087			0.0500	6.1		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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	0.6033 0.5412	0.5760 0.5405	0.5485 0.5676	0.5782 0.5506	0.5610	Ave		0.5630			0.0500	3.7		15.0			
Hexachlorocyclopentadiene	0.2961	0.2680 0.3061	0.2788 0.3258	0.2875 0.3284	0.3105	Ave		0.3001			0.0500	7.2		15.0			
1,2,4,5-Tetrachlorobenzene	0.4102	0.4426 0.4049	0.4448 0.4282	0.4364 0.4229	0.4320	Ave		0.4277			0.0500	3.4		15.0			
2,4,6-Trichlorophenol	0.2958	0.2974 0.2885	0.3034 0.3040	0.3027 0.2963	0.2995	Ave		0.2985			0.0500	1.7		15.0			
2,4,5-Trichlorophenol	0.3102	0.2901 0.3023	0.3050 0.3275	0.3021 0.3168	0.3235	Ave		0.3097			0.0500	4.0		15.0			
1,1'-Biphenyl	1.4731 1.2653	1.3218 1.2645	1.3433 1.3391	1.3390 1.2981	1.3027	Ave		1.3274			0.0500	4.7		15.0			
2-Chloronaphthalene	1.1127 0.9332	0.9918 0.9283	0.9993 0.9752	0.9668 0.9653	0.9798	Ave		0.9836			0.0500	5.5		15.0			
2-Nitroaniline	0.5335	0.4827 0.5409	0.5219 0.5733	0.5072 0.5662	0.5537	Ave		0.5349			0.0500	5.7		15.0			
Dimethyl phthalate	1.0869	1.0925 1.1045	1.1228 1.1819	1.1283 1.1539	1.1421	Ave		1.1266			0.0500	2.9		15.0			
1,3-Dinitrobenzene	0.1975	0.1540 0.2034	0.1810 0.2114	0.1839 0.2129	0.2021	Ave		0.1933			0.0500	10.0		15.0			
2,6-Dinitrotoluene	0.2598	0.2350 0.2591	0.2588 0.2717	0.2585 0.2670	0.2604	Ave		0.2588			0.0500	4.1		15.0			
Acenaphthylene	1.8712 1.5119	1.5057 1.5017	1.5917 1.5905	1.5668 1.5849	1.5669	Ave		1.5879			0.0500	7.1		15.0			
3-Nitroaniline	0.3061	0.2860 0.3071	0.3064 0.3301	0.3034 0.3211	0.3163	Ave		0.3096			0.0500	4.3		15.0			
Acenaphthene	1.1041 0.8995	1.0007 0.8763	0.9820 0.9272	0.9765 0.9165	0.9655	Ave		0.9609			0.0500	7.1		15.0			
2,4-Dinitrophenol	0.1517	+++++ 0.1618	0.1405 0.1786	0.1462 0.1796	0.1798	Ave		0.1626			0.0500	10.0		15.0			
4-Nitrophenol	0.2379	0.2192 0.2522	0.2540 0.2803	0.2555 0.2805	0.2665	Ave		0.2557			0.0500	8.1		15.0			
2,4-Dinitrotoluene	0.3469	0.2956 0.3483	0.3246 0.3738	0.3340 0.3664	0.3488	Ave		0.3423			0.0500	7.2		15.0			
Dibenzofuran	1.6011 1.3122	1.3768 1.3289	1.3789 1.4138	1.3698 1.3968	1.3595	Ave		1.3931			0.0500	6.0		15.0			
2,3,4,6-Tetrachlorophenol	0.2572	0.2663 0.2603	0.2513 0.2784	0.2630 0.2696	0.2751	Ave		0.2651			0.0500	3.4		15.0			
Diethyl phthalate	1.0589	1.0555 1.0401	1.1384 1.1104	1.1151 1.0944	1.1379	Ave		1.0938			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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	0.5143	0.5391 0.5183	0.5669 0.5461	0.5445 0.5375	0.5474	Ave		0.5393			0.0500	3.1		15.0			
4-Nitroaniline	0.2995	0.2837 0.3069	0.2995 0.3285	0.3121 0.3175	0.3153	Ave		0.3079			0.0500	4.5		15.0			
Fluorene	1.2352 1.0601	1.1257 1.0577	1.1609 1.1283	1.1407 1.1159	1.1215	Ave		1.1273			0.0500	4.7		15.0			
4,6-Dinitro-2-methylphenol	0.1248	+++++ 0.1275	0.1189 0.1391	0.1205 0.1386	0.1384	Ave		0.1297			0.0500	6.9		15.0			
N-Nitrosodiphenylamine	0.4568	0.4685 0.4547	0.4671 0.4930	0.4419 0.4803	0.4466	Ave		0.4636			0.0500	3.7		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.2707	1.2554 1.2625	1.2968 1.3702	1.2729 1.3628	1.2705	Ave		1.2951			0.0500	3.5		15.0			
Azobenzene	1.2698	1.2554 1.2621	1.2908 1.3702	1.2727 1.3628	1.2769	Ave		1.2951			0.0500	3.5		15.0			
4-Bromophenyl phenyl ether	0.1594	0.1544 0.1591	0.1657 0.1727	0.1657 0.1702	0.1634	Ave		0.1638			0.0500	3.7		15.0			
Hexachlorobenzene	0.1546 0.1533	0.1556 0.1527	0.1597 0.1652	0.1592 0.1614	0.1603	Ave		0.1580			0.0500	2.6		15.0			
Atrazine	0.1837	0.1963 0.1767	0.1960 0.1882	0.1991 0.1828	0.1904	Ave		0.1891			0.0500	4.1		15.0			
Pentachlorophenol	0.0962	0.0842 0.1092	0.0924 0.1193	0.0930 0.1173	0.1027	Ave		0.1018			0.0500	12.0		15.0			
Phenanthrene	1.1428 0.9447	1.0024 0.9385	0.9835 1.0207	0.9655 0.9885	0.9660	Ave		0.9947			0.0500	6.2		15.0			
Anthracene	1.0514 0.9715	0.9676 0.9502	1.0016 1.0450	1.0143 1.0202	0.9860	Ave		1.0009			0.0500	3.5		15.0			
Carbazole	0.8955	0.8672 0.8849	0.9103 0.9638	0.9074 0.9332	0.9186	Ave		0.9101			0.0500	3.3		15.0			
Di-n-butyl phthalate	1.1016	1.0618 1.1158	1.1508 1.2262	1.1426 1.1915	1.1488	Ave		1.1424			0.0500	4.5		15.0			
Fluoranthene	1.1706 1.0294	1.0028 1.0292	1.0563 1.1188	1.0613 1.0937	1.0488	Ave		1.0679			0.0500	4.9		15.0			
Benzidine	0.4468	0.4844 0.3403	0.5566 0.3559	0.5178 0.3666	0.4987	Ave		0.4459			0.0500	18.0	*	15.0			
Pyrene	1.1783 1.0397	1.0278 1.0294	1.0669 1.1054	1.0455 1.0862	1.0306	Ave		1.0678			0.0500	4.6		15.0			
Butyl benzyl phthalate	0.4819	0.4754 0.4806	0.4943 0.5189	0.4911 0.5084	0.4917	Ave		0.4928			0.0500	3.0		15.0			
3,3'-Dichlorobenzidine	0.3198	0.3056 0.3210	0.3389 0.3644	0.3364 0.3669	0.3380	Ave		0.3364			0.0500	6.3		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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	0.6458	0.6466 0.6540	0.6751 0.7168	0.6665 0.7118	0.6768	Ave		0.6742			0.0500	4.1		15.0			
Benzo[a]anthracene	1.2128 0.9570	0.9425 0.9653	1.0041 1.0487	0.9940 1.0324	0.9789	Ave		1.0151			0.0500	8.1		15.0			
Chrysene	1.1589 0.8988	0.9027 0.9009	0.9568 0.9604	0.9167 0.9870	0.9085	Ave		0.9545			0.0500	8.7		15.0			
Di-n-octyl phthalate	1.4046	1.2707 1.4709	1.3687 1.6421	1.3849 1.5906	1.4474	Ave		1.4475			0.0500	8.3		15.0			
Benzo[b]fluoranthene	1.0209 1.1119	1.0840 1.1559	1.0547 1.2755	1.0955 1.2159	1.0766	Ave		1.1212			0.0500	7.2		15.0			
Benzo[k]fluoranthene	1.2987 1.1215	1.0831 1.1358	1.1294 1.2353	1.1370 1.2297	1.0985	Ave		1.1632			0.0500	6.3		15.0			
Benzo[a]pyrene	1.0125 1.0147	0.9711 1.0639	1.0121 1.1744	1.0123 1.1270	1.0338	Ave		1.0469			0.0500	6.2		15.0			
Indeno[1,2,3-cd]pyrene	0.9998 1.1090	1.0040 1.1371	1.0721 1.2597	1.1034 1.2265	1.1117	Ave		1.1137			0.0500	7.9		15.0			
Dibenz(a,h)anthracene	0.8539 0.9188	0.8487 0.9547	0.8829 1.0669	0.8982 1.0333	0.9345	Ave		0.9324			0.0500	8.1		15.0			
Benzo[g,h,i]perylene	0.9153 0.9144	0.8110 0.9533	0.9041 1.0462	0.9198 1.0173	0.9450	Ave		0.9363			0.0500	7.3		15.0			
2-Fluorophenol (Surr)	1.6905	1.8900 1.6123	1.7839 1.7394	1.8084 1.6976	1.7166	Ave		1.7423			0.0500	4.9		15.0			
Phenol-d5 (Surr)	2.3468	2.8351 2.2487	2.6347 2.3373	2.4668 2.2266	2.3769	Ave		2.4341			0.0500	8.5		15.0			
Nitrobenzene-d5 (Surr)	0.8182 0.5739	0.5957 0.5910	0.5961 0.6214	0.5988 0.5993	0.5902	Ave		0.6205			0.0500	12.0		15.0			
2-Fluorobiphenyl (Surr)	1.7171 1.0872	1.1765 1.0937	1.1500 1.1525	1.1682 1.1339	1.1412	Lin1	0.0520	1.1216			0.0500				0.9990		0.9950
2,4,6-Tribromophenol (Surr)	0.1253	0.1225 0.1286	0.1320 0.1383	0.1196 0.1347	0.1258	Ave		0.1284			0.0500	4.9		15.0			
Terphenyl-d14 (Surr)	1.1728 0.7250	0.7812 0.7152	0.7889 0.7726	0.7455 0.7650	0.7383	Lin1	0.0344	0.7471			0.0500				0.9990		0.9950

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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-81433/6	30411006.D
Level 2	STD2 240-81433/5	30411005.D
Level 3	STD3 240-81433/4	30411004.D
Level 4	STD4 240-81433/3	30411003.D
Level 5	STD5 240-81433/2	30411002.D
Level 6	STD6 240-81433/10	30411010.D
Level 7	STD7 240-81433/9	30411009.D
Level 8	STD8 240-81433/8	30411008.D
Level 9	STD9 240-81433/7	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	Ave	319712	17248 493055	33221 650578	59693 747922	156517	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	562820	29978 972193	61765 1235489	108233 1420872	278330	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	931378	49008 1562021	95283 1986292	180076 2322156	436801	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	20473 1432925	84824 2344128	165726 2797436	298463 +++++	701715	0.200 20.0	1.00 30.0	2.00 40.0	4.00 +++++	10.0
Phenol	DCB	Ave	895772	51753 1558476	102691 1903674	185547 2173132	441246	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1214111	67224 2180099	128849 2712695	243083 3110487	596373	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	820678	45541 1408237	88698 1713737	159705 2052610	391633	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	508762	28950 856970	56121 1035332	102165 1175394	255047	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	511295	29260 883985	56052 1095732	103452 1275656	256144	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	522297	29610 890024	57163 1110808	108337 1295587	257266	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	440032	25072 779843	46002 951322	88719 1096795	212635	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	490873	26359 860908	53535 1061196	102870 1227897	241898	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	603814	32885 1051297	66975 1283127	116130 1484847	292770	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	851198	46138 1474661	85540 1782906	164963 2048220	398369	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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	2095193	121463 3638806	229050 4479359	435960 5237242	1021494	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	636462	34752 1138639	65910 1395909	126511 1609462	312353	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	679403	38306 1216090	73508 1440031	134782 1658128	336345	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	968485	54457 1698778	102877 2061824	189038 2337664	467024	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	262915	14785 455904	28931 563709	51137 648835	126274	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	965437	52780 1724331	101797 2132735	182971 2490245	460596	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1631775	88366 2967510	169811 3611989	315121 4164083	771243	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	269835	16215 470218	29911 565202	53846 639888	136399	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	658727	37479 1122983	71767 1366044	135950 1549411	321074	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Ave	726245	+++++ 1349658	63613 1735506	135124 2028228	356794	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	931343	49345 1605712	97079 1974399	182942 2280289	440140	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	396757	20803 719089	43020 864977	78491 1008242	194494	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	426548	23751 757764	45483 932740	88363 1059423	210530	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	20846 1515736	84998 2726998	166090 3343708	299007 3803740	750334	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	652639	35325 1174028	71597 1415719	130421 1681268	330600	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	241496	13216 435034	25391 541950	48828 626096	119651	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	417585	21246 744295	43254 949265	79999 1099270	206658	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	591301	32668 1069264	62182 1320857	118561 1494659	284876	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	13070 965295	52499 1710189	102761 2112344	189504 2417434	474627	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	11227 900344	50817 1597477	93469 1949808	180602 2251095	439252	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	281804	13490 521235	26867 646126	51838 759429	138024	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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	390369	22277 689507	42869 849303	78677 977786	192028	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	281547	14972 491320	29241 602952	54576 685216	133099	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	295222	14602 514812	29394 649618	54466 732640	143773	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	15529 1204264	66537 2153507	129462 2655846	241418 3001767	578994	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	11730 888130	49924 1581023	96310 1934205	174311 2232216	435469	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	507711	24299 921255	50297 1136970	91451 1309228	246104	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1034486	54996 1881056	108214 2344104	203421 2668300	507617	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	187935	7751 346395	17447 419228	33152 492392	89844	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	247221	11829 441329	24941 538842	46610 617346	115723	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	19726 1438941	75793 2557557	153397 3154389	282477 3664945	696432	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	291290	14396 523056	29532 654625	54710 742605	140576	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	11639 856088	50375 1492463	94640 1838860	176065 2119271	429125	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Ave	288700	+++++ 551246	27077 708537	52715 830625	159806	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
4-Nitrophenol	ANT	Ave	452798	22066 859109	48954 1111661	92113 1297045	236858	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	330193	14881 593180	31283 741448	60216 847343	155043	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	16879 1248895	69306 2263170	132890 2803961	246974 3229956	604270	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	244782	13404 443343	24221 552086	47412 623429	122285	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1007785	53133 1771448	109711 2202154	201046 2530710	505753	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	489469	27139 882750	54638 1083037	98169 1242964	243300	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	285060	14282 522707	28865 651549	56269 734066	140137	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	13021 1008924	56667 1801331	111885 2237671	205654 2580278	498453	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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	Ave	398186	+++++ 739897	38242 924757	72553 1088476	209375	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	1457818	79301 2638280	150292 3276996	266058 3770691	675482	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	2027808	106236 3662387	208607 4553504	383162 5349519	960931	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	2026383	106236 3661319	207646 4553575	383104 5349519	965774	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	254446	13063 461670	26649 573859	49873 668066	123547	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	2789 244607	13172 443043	25698 548852	47927 633630	121234	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	586203	33227 1025226	63044 1251009	119840 1435014	288041	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pentachlorophenol	PHN	Ave	306946	14248 633359	29717 792991	55974 920785	155405	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	20617 1507507	84830 2722692	158207 3392033	290640 3880115	730639	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	18968 1550338	81882 2756406	161129 3472732	305327 4004604	745759	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1429020	73388 2567184	146432 3202777	273161 3663180	694788	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	1757853	89859 3237016	185126 4074798	343932 4677270	868855	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	21118 1642681	84861 2985604	169915 3718134	319485 4293017	793199	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1438210	82960 2000112	181339 2453984	320981 2949658	781729	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	21263 1673143	88010 3025359	173802 3810650	324033 4369601	807729	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	775574	40708 1412260	80516 1788932	152221 2045100	385375	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	1029180	52327 1886518	110398 2512169	208537 2951638	529862	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	1039294	55363 1922004	109970 2471094	206586 2863557	530432	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	21886 1540160	80706 2836885	163570 3614932	308063 4153351	767230	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	20913 1446436	77291 2647480	155869 3310612	284110 3970776	712015	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	1825446	87265 3440935	181605 4420452	347636 5148498	925671	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.: 240-22488-1 Analy Batch No.: 81433

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 08:55 Calibration End Date: 04/11/2013 11:34 Calibration ID: 14447

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	15187 1445081	74444 2704172	139937 3433472	274978 3935599	688509	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	19319 1457580	74384 2657033	149846 3325252	285416 3980174	702529	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	15062 1318721	66694 2488747	134289 3161326	254107 3647722	661134	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	14872 1441286	68954 2660153	142247 3391089	276972 3969808	710985	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	12702 1194066	58287 2233484	117137 2872039	225464 3344731	597649	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	13615 1188430	55695 2230191	119954 2816204	230875 3292683	604382	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	 630290	38170 1062198	69654 1342323	133531 1558834	316057	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	 874992	57257 1481451	102873 1803736	182139 2044518	437631	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	15226 954640	52547 1746816	101579 2134723	187046 2450498	462110	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Lin1	18102 1034683	59223 1862643	110831 2285682	210618 2621959	507221	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	 119236	6166 219041	12726 274312	21557 311519	55917	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Lin1	21163 1166712	66892 2101837	128511 2663209	231062 3077649	578605	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

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411002.D		
Lims ID:	std5 lst1	Client ID:	
Inject. Date:	11-Apr-2013 08:55:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018755-002		
Misc. Info.:	STD5 LST1 =STD5 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	81433	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:48	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 09:19:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.728	3.728	0.0	95	147294	4.00	
* 2 Naphthalene-d8	136	4.748	4.748	0.0	98	626375	4.00	
* 3 Acenaphthene-d10	164	6.212	6.212	0.0	89	355574	4.00	
* 4 Phenanthrene-d10	188	7.467	7.467	0.0	97	605056	4.00	
* 5 Chrysene-d12	240	9.700	9.700	0.0	85	626987	4.00	
* 6 Perylene-d12	264	11.169	11.169	0.0	97	511631	4.00	
$ 7 2-Fluorophenol	112	2.745	2.745	0.0	95	316057	4.93	
$ 8 Phenol-d5	99	3.391	3.391	0.0	90	437631	4.88	
$ 9 Nitrobenzene-d5	82	4.155	4.155	0.0	85	462110	4.76	
$ 10 2-Fluorobiphenyl (Surr)	172	5.630	5.630	0.0	98	507221	5.04	
$ 11 2,4,6-Tribromophenol	330	6.869	6.869	0.0	75	55917	4.90	
$ 12 Terphenyl-d14	244	8.792	8.792	0.0	97	578605	4.89	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.751	1.751	0.0	95	156517	5.13	
26 N-Nitrosodimethylamine	74	1.922	1.922	0.0	84	278330	4.97	
27 Pyridine	79	1.960	1.960	0.0	92	436801	4.83	
41 Benzaldehyde	77	3.397	3.397	0.0	88	701715	9.52	
43 Phenol	94	3.402	3.402	0.0	90	441246	4.87	
44 Aniline	93	3.471	3.471	0.0	97	596373	4.87	
69 Bis(2-chloroethyl)ether	93	3.498	3.498	0.0	97	391633	4.83	
46 2-Chlorophenol	128	3.562	3.562	0.0	89	255047	5.07	
47 1,3-Dichlorobenzene	146	3.685	3.685	0.0	86	256144	4.97	
48 1,4-Dichlorobenzene	146	3.739	3.739	0.0	80	257266	4.90	
49 Benzyl alcohol	108	3.808	3.808	0.0	84	212635	4.83	
50 1,2-Dichlorobenzene	146	3.861	3.861	0.0	83	241898	4.90	
51 2-Methylphenol	108	3.877	3.877	0.0	94	292770	4.89	
53 2,2'-oxybis[1-chloropropane]	45	3.915	3.915	0.0	94	398369	4.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.931	3.931	0.0	69	1021494	9.65	
21 3 & 4 Methylphenol	108	3.995	3.995	0.0	91	312353	4.91	
57 N-Nitrosodi-n-propylamine	70	4.016	4.016	0.0	68	336345	4.95	
58 Acetophenone	105	4.027	4.027	0.0	88	467024	4.87	
61 Hexachloroethane	117	4.134	4.134	0.0	92	126274	4.83	
62 Nitrobenzene	77	4.171	4.171	0.0	74	460596	4.94	
64 Isophorone	82	4.358	4.358	0.0	95	771243	4.90	
66 2-Nitrophenol	139	4.428	4.428	0.0	72	136399	5.17	
65 2,4-Dimethylphenol	107	4.428	4.428	0.0	91	321074	5.06	
71 Benzoic acid	122	4.481	4.481	0.0	79	356794	10.1	M
70 Bis(2-chloroethoxy)methane	93	4.513	4.513	0.0	98	440140	4.98	
73 2,4-Dichlorophenol	162	4.615	4.615	0.0	94	194494	5.05	
74 1,2,4-Trichlorobenzene	180	4.695	4.695	0.0	84	210530	5.05	
75 Naphthalene	128	4.764	4.764	0.0	97	750334	4.95	
76 4-Chloroaniline	127	4.791	4.791	0.0	78	330600	5.16	
79 Hexachlorobutadiene	225	4.855	4.855	0.0	90	119651	5.05	
84 Caprolactam	113	5.069	5.069	0.0	77	206658	10.2	
86 4-Chloro-3-methylphenol	107	5.170	5.170	0.0	87	284876	4.94	
87 2-Methylnaphthalene	142	5.336	5.336	0.0	83	474627	4.98	
88 1-Methylnaphthalene	142	5.416	5.416	0.0	76	439252	4.98	
89 Hexachlorocyclopentadiene	237	5.464	5.464	0.0	92	138024	5.17	
91 1,2,4,5-Tetrachlorobenzene	216	5.469	5.469	0.0	90	192028	5.05	
92 2,4,6-Trichlorophenol	196	5.555	5.555	0.0	85	133099	5.02	
93 2,4,5-Trichlorophenol	196	5.587	5.587	0.0	84	143773	5.22	
98 1,1'-Biphenyl	154	5.715	5.715	0.0	96	578994	4.91	
100 2-Chloronaphthalene	162	5.742	5.742	0.0	98	435469	4.98	
102 2-Nitroaniline	65	5.811	5.811	0.0	69	246104	5.18	
105 Dimethyl phthalate	163	5.950	5.950	0.0	93	507617	5.07	
106 1,3-Dinitrobenzene	168	5.982	5.982	0.0	78	89844	5.23	
107 2,6-Dinitrotoluene	165	6.009	6.009	0.0	71	115723	5.03	
109 Acenaphthylene	152	6.094	6.094	0.0	91	696432	4.93	
110 3-Nitroaniline	138	6.153	6.153	0.0	85	140576	5.11	
112 Acenaphthene	153	6.239	6.239	0.0	84	429125	5.02	
111 2,4-Dinitrophenol	184	6.239	6.239	0.0	66	159806	11.1	
113 4-Nitrophenol	109	6.265	6.265	0.0	85	236858	10.4	
114 2,4-Dinitrotoluene	165	6.345	6.345	0.0	72	155043	5.10	
116 Dibenzofuran	168	6.383	6.383	0.0	84	604270	4.88	
119 2,3,4,6-Tetrachlorophenol	232	6.474	6.474	0.0	76	122285	5.19	
121 Diethyl phthalate	149	6.543	6.543	0.0	94	505753	5.20	
123 4-Chlorophenyl phenyl ether	204	6.655	6.655	0.0	91	243300	5.08	
126 Fluorene	166	6.671	6.671	0.0	80	498453	4.97	
125 4-Nitroaniline	138	6.666	6.666	0.0	75	140137	5.12	
128 4,6-Dinitro-2-methylphenol	198	6.693	6.693	0.0	71	209375	10.7	
131 N-Nitrosodiphenylamine	169	6.751	6.751	0.0	97	675482	9.63	
132 1,2-Diphenylhydrazine	77	6.794	6.794	0.0	99	960931	4.91	
133 Azobenzene	77	6.794	6.794	0.0	95	965774	4.93	
139 4-Bromophenyl phenyl ether	248	7.072	7.072	0.0	72	123547	4.99	
141 Hexachlorobenzene	284	7.136	7.136	0.0	82	121234	5.07	
142 Atrazine	200	7.184	7.184	0.0	81	288041	10.1	
143 Pentachlorophenol	266	7.291	7.291	0.0	80	155405	10.1	
148 Phenanthrene	178	7.489	7.489	0.0	98	730639	4.86	
149 Anthracene	178	7.531	7.531	0.0	99	745759	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.649	7.649	0.0	84	694788	5.05	
154 Di-n-butyl phthalate	149	7.916	7.916	0.0	99	868855	5.03	
159 Fluoranthene	202	8.493	8.493	0.0	100	793199	4.91	
160 Benzidine	184	8.578	8.578	0.0	98	781729	11.2	
161 Pyrene	202	8.685	8.685	0.0	94	807729	4.83	
168 Butyl benzyl phthalate	149	9.182	9.182	0.0	87	385375	4.99	
173 Bis(2-ethylhexyl) phthalate	149	9.652	9.652	0.0	93	530432	5.02	
175 3,3'-Dichlorobenzidine	252	9.647	9.647	0.0	74	529862	10.1	
177 Benzo[a]anthracene	228	9.690	9.690	0.0	99	767230	4.82	
178 Chrysene	228	9.722	9.722	0.0	93	712015	4.76	
180 Di-n-octyl phthalate	149	10.224	10.224	0.0	99	925671	5.00	
182 Benzo[b]fluoranthene	252	10.715	10.715	0.0	90	688509	4.80	
183 Benzo[k]fluoranthene	252	10.747	10.747	0.0	89	702529	4.72	
184 Benzo[a]pyrene	252	11.105	11.105	0.0	77	661134	4.94	
188 Indeno[1,2,3-cd]pyrene	276	12.745	12.745	0.0	97	710985	4.99	
189 Dibenz(a,h)anthracene	278	12.767	12.767	0.0	78	597649	5.01	
190 Benzo[g,h,i]perylene	276	13.226	13.226	0.0	88	604382	5.05	
S 245 Total Cresols	100				0		9.80	
S 191 Methyl Phenols,Total	100				0		9.80	

QC Flag Legend

Review Flags
M - Manually Integrated

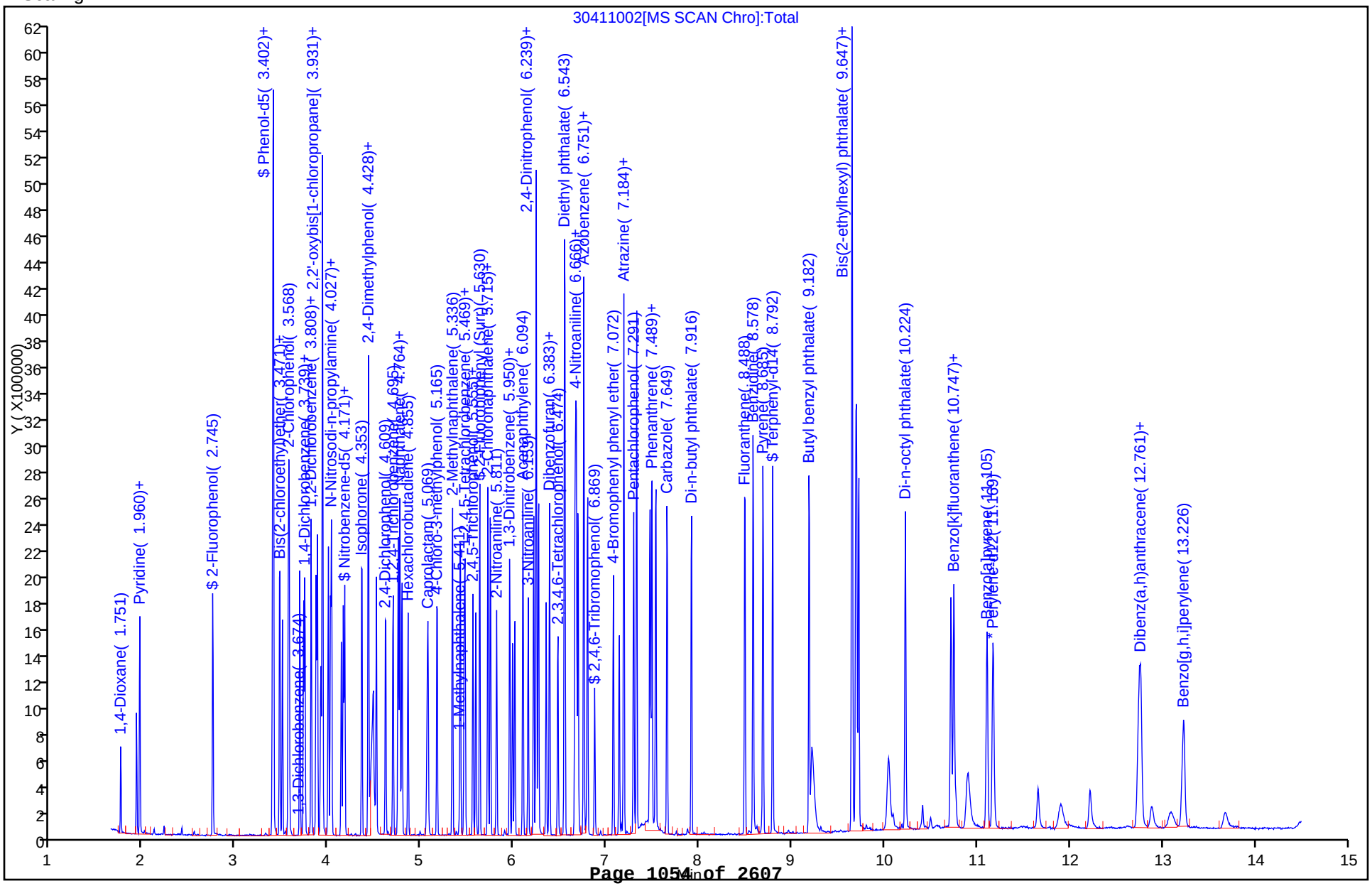
Report Date: 11-Apr-2013 12:46:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411002.D

Injection Date:	11-Apr-2013 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 11-Apr-2013 12:46:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

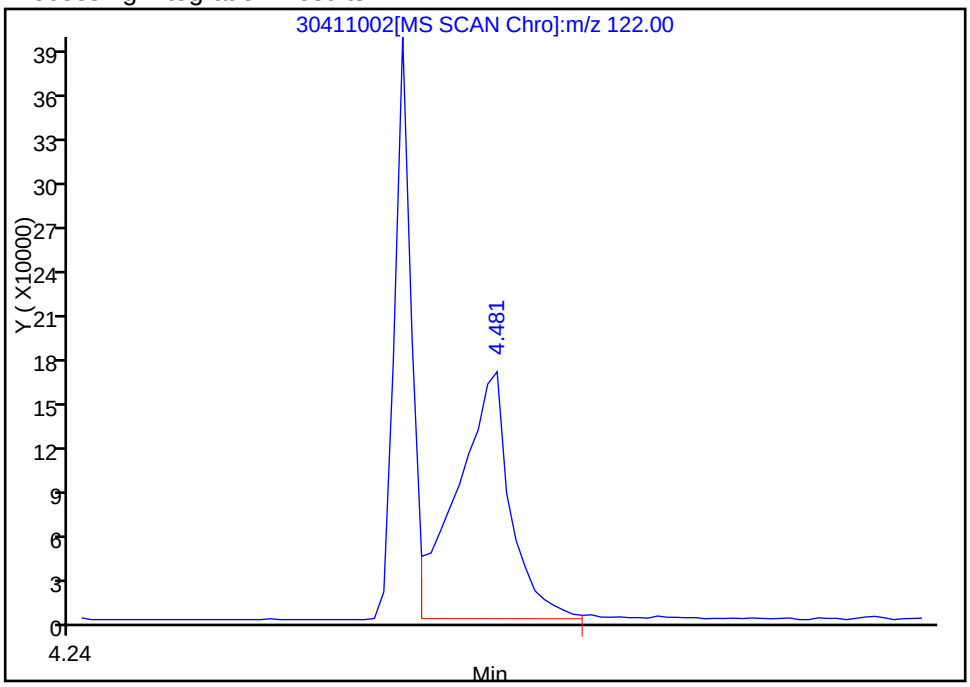
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411002.D		
Injection Date:	11-Apr-2013 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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: 4.48

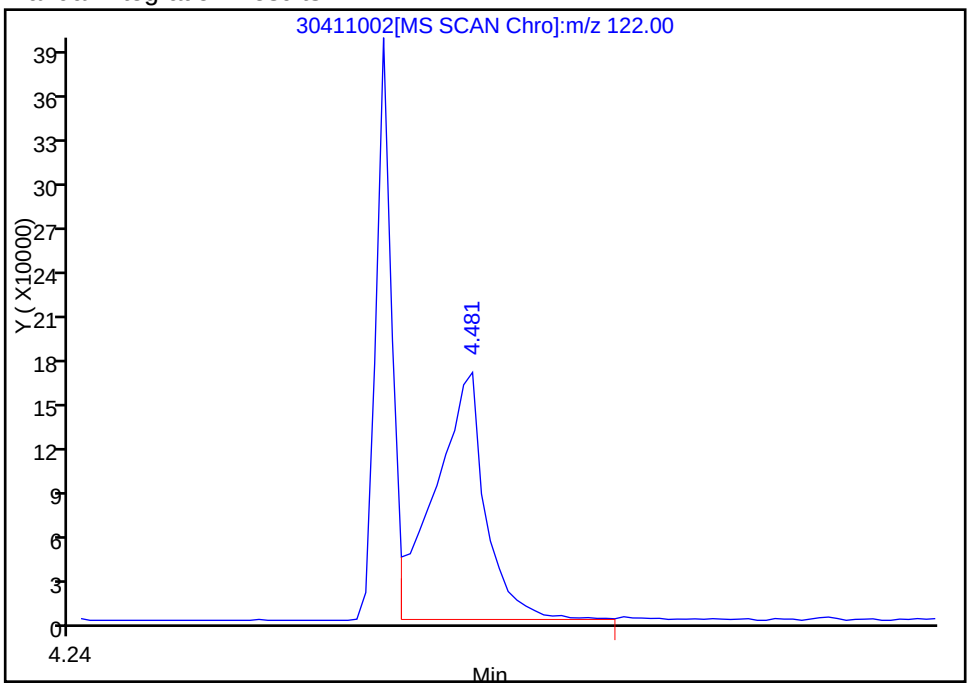
Processing Integration Results

RT: 4.48
Response: 353818
Amount: 10.000000



Manual Integration Results

RT: 4.48
Response: 356794
Amount: 10.107028



Reviewer: ulmanm, 11-Apr-2013 09:19:44
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411003.D		
Lims ID:	std4 lst1	Client ID:	
Inject. Date:	11-Apr-2013 09:16:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0018755-003		
Misc. Info.:	STD4 LST1 =STD4 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	81433	Lims Sample ID:	3
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:49	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 09:41:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.725	3.728	-0.003	92	147675	4.00	
* 2 Naphthalene-d8	136	4.745	4.748	-0.003	98	624721	4.00	
* 3 Acenaphthene-d10	164	6.209	6.212	-0.003	87	360589	4.00	
* 4 Phenanthrene-d10	188	7.465	7.467	-0.003	97	602042	4.00	
* 5 Chrysene-d12	240	9.698	9.700	-0.002	81	619871	4.00	
* 6 Perylene-d12	264	11.167	11.169	-0.002	96	502031	4.00	
$ 7 2-Fluorophenol	112	2.747	2.745	0.002	94	133531	2.08	
$ 8 Phenol-d5	99	3.388	3.391	-0.003	91	182139	2.03	
$ 9 Nitrobenzene-d5	82	4.152	4.155	-0.003	83	187046	1.93	
$ 10 2-Fluorobiphenyl (Surr)	172	5.627	5.630	-0.003	98	210618	2.04	
$ 11 2,4,6-Tribromophenol	330	6.866	6.869	-0.003	75	21557	1.86	
$ 12 Terphenyl-d14	244	8.789	8.792	-0.003	97	231062	1.95	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.754	1.751	0.003	93	59693	1.95	
26 N-Nitrosodimethylamine	74	1.925	1.922	0.003	84	108233	1.93	
27 Pyridine	79	1.957	1.960	-0.003	94	180076	1.99	
41 Benzaldehyde	77	3.399	3.397	0.002	88	298463	4.04	
43 Phenol	94	3.399	3.402	-0.003	93	185547	2.04	
44 Aniline	93	3.469	3.471	-0.002	97	243083	1.98	
69 Bis(2-chloroethyl)ether	93	3.501	3.498	0.003	97	159705	1.97	
46 2-Chlorophenol	128	3.559	3.562	-0.003	87	102165	2.03	
47 1,3-Dichlorobenzene	146	3.688	3.685	0.003	87	103452	2.00	
48 1,4-Dichlorobenzene	146	3.741	3.739	0.003	83	108337	2.06	
49 Benzyl alcohol	108	3.805	3.808	-0.003	85	88719	2.01	
50 1,2-Dichlorobenzene	146	3.864	3.861	0.003	88	102870	2.08	
51 2-Methylphenol	108	3.875	3.877	-0.002	90	116130	1.94	
53 2,2'-oxybis[1-chloropropane]	45	3.912	3.915	-0.003	95	164963	1.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.928	3.931	-0.003	68	435960	4.11	
21 3 & 4 Methylphenol	108	3.992	3.995	-0.003	84	126511	1.98	
57 N-Nitrosodi-n-propylamine	70	4.013	4.016	-0.003	70	134782	1.98	
58 Acetophenone	105	4.030	4.027	0.003	85	189038	1.97	
61 Hexachloroethane	117	4.131	4.134	-0.003	91	51137	1.95	
62 Nitrobenzene	77	4.168	4.171	-0.003	76	182971	1.97	
64 Isophorone	82	4.355	4.358	-0.003	95	315121	2.01	
66 2-Nitrophenol	139	4.425	4.428	-0.003	72	53846	2.05	
65 2,4-Dimethylphenol	107	4.425	4.428	-0.003	89	135950	2.15	
71 Benzoic acid	122	4.457	4.481	-0.024	76	135124	3.84	M
70 Bis(2-chloroethoxy)methane	93	4.510	4.513	-0.003	98	182942	2.08	
73 2,4-Dichlorophenol	162	4.612	4.615	-0.003	92	78491	2.04	
74 1,2,4-Trichlorobenzene	180	4.692	4.695	-0.003	84	88363	2.12	
75 Naphthalene	128	4.767	4.764	0.003	96	299007	1.98	
76 4-Chloroaniline	127	4.788	4.791	-0.003	70	130421	2.04	
79 Hexachlorobutadiene	225	4.852	4.855	-0.003	88	48828	2.06	
84 Caprolactam	113	5.055	5.069	-0.014	80	79999	3.97	
86 4-Chloro-3-methylphenol	107	5.162	5.170	-0.008	82	118561	2.06	
87 2-Methylnaphthalene	142	5.333	5.336	-0.003	84	189504	1.99	
88 1-Methylnaphthalene	142	5.418	5.416	0.002	79	180602	2.05	
89 Hexachlorocyclopentadiene	237	5.461	5.464	-0.003	90	51838	1.92	
91 1,2,4,5-Tetrachlorobenzene	216	5.467	5.469	-0.002	90	78677	2.04	
92 2,4,6-Trichlorophenol	196	5.552	5.555	-0.003	85	54576	2.03	
93 2,4,5-Trichlorophenol	196	5.584	5.587	-0.003	84	54466	1.95	
98 1,1'-Biphenyl	154	5.718	5.715	0.003	95	241418	2.02	
100 2-Chloronaphthalene	162	5.744	5.742	0.002	98	174311	1.97	
102 2-Nitroaniline	65	5.808	5.811	-0.003	68	91451	1.90	
105 Dimethyl phthalate	163	5.947	5.950	-0.003	92	203421	2.00	
106 1,3-Dinitrobenzene	168	5.979	5.982	-0.003	77	33152	1.90	
107 2,6-Dinitrotoluene	165	6.006	6.009	-0.003	73	46610	2.00	
109 Acenaphthylene	152	6.092	6.094	-0.002	90	282477	1.97	
110 3-Nitroaniline	138	6.150	6.153	-0.003	81	54710	1.96	
112 Acenaphthene	153	6.236	6.239	-0.003	85	176065	2.03	
111 2,4-Dinitrophenol	184	6.236	6.239	-0.003	55	52715	3.60	
113 4-Nitrophenol	109	6.257	6.265	-0.008	85	92113	4.00	
114 2,4-Dinitrotoluene	165	6.343	6.345	-0.002	72	60216	1.95	
116 Dibenzofuran	168	6.380	6.383	-0.003	83	246974	1.97	
119 2,3,4,6-Tetrachlorophenol	232	6.471	6.474	-0.003	78	47412	1.98	
121 Diethyl phthalate	149	6.540	6.543	-0.003	94	201046	2.04	
123 4-Chlorophenyl phenyl ether	204	6.658	6.655	0.003	87	98169	2.02	
126 Fluorene	166	6.669	6.671	-0.002	73	205654	2.02	
125 4-Nitroaniline	138	6.658	6.666	-0.008	76	56269	2.03	
128 4,6-Dinitro-2-methylphenol	198	6.685	6.693	-0.008	67	72553	3.72	M
131 N-Nitrosodiphenylamine	169	6.749	6.751	-0.002	97	266058	3.81	
132 1,2-Diphenylhydrazine	77	6.786	6.794	-0.008	99	383162	1.97	
133 Azobenzene	77	6.786	6.794	-0.008	95	383104	1.97	
139 4-Bromophenyl phenyl ether	248	7.069	7.072	-0.003	71	49873	2.02	
141 Hexachlorobenzene	284	7.133	7.136	-0.003	86	47927	2.02	
142 Atrazine	200	7.181	7.184	-0.003	84	119840	4.21	
143 Pentachlorophenol	266	7.288	7.291	-0.003	82	55974	3.65	
148 Phenanthrene	178	7.486	7.489	-0.003	97	290640	1.94	
149 Anthracene	178	7.529	7.531	-0.002	95	305327	2.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.646	7.649	-0.003	84	273161	1.99	
154 Di-n-butyl phthalate	149	7.913	7.916	-0.003	100	343932	2.00	
159 Fluoranthene	202	8.490	8.493	-0.003	100	319485	1.99	
160 Benzidine	184	8.576	8.578	-0.002	98	320981	4.65	
161 Pyrene	202	8.683	8.685	-0.003	93	324033	1.96	
168 Butyl benzyl phthalate	149	9.185	9.182	0.003	90	152221	1.99	
173 Bis(2-ethylhexyl) phthalate	149	9.649	9.652	-0.003	92	206586	1.98	
175 3,3'-Dichlorobenzidine	252	9.644	9.647	-0.003	72	208537	4.00	
177 Benzo[a]anthracene	228	9.687	9.690	-0.003	96	308063	1.96	
178 Chrysene	228	9.719	9.722	-0.003	93	284110	1.92	
180 Di-n-octyl phthalate	149	10.221	10.224	-0.003	99	347636	1.91	
182 Benzo[b]fluoranthene	252	10.713	10.715	-0.002	91	274978	1.95	
183 Benzo[k]fluoranthene	252	10.745	10.747	-0.002	90	285416	1.95	
184 Benzo[a]pyrene	252	11.103	11.105	-0.003	76	254107	1.93	
188 Indeno[1,2,3-cd]pyrene	276	12.737	12.745	-0.008	89	276972	1.98	
189 Dibenz(a,h)anthracene	278	12.753	12.767	-0.014	63	225464	1.93	
190 Benzo[g,h,i]perylene	276	13.218	13.226	-0.008	87	230875	1.96	
S 245 Total Cresols	100				0		3.92	
S 191 Methyl Phenols,Total	100				0		3.92	

QC Flag Legend

Review Flags
M - Manually Integrated

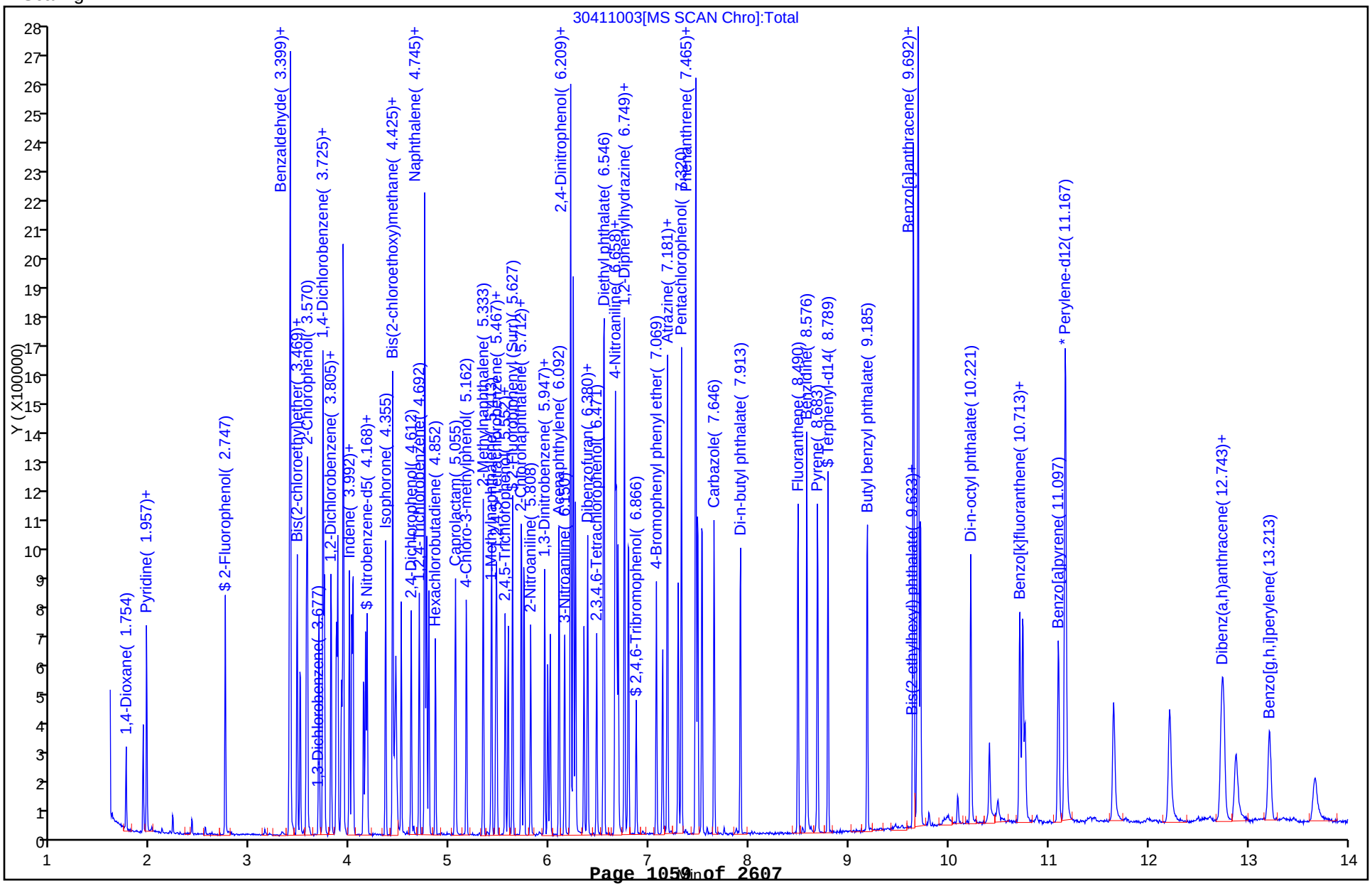
Report Date: 11-Apr-2013 12:46:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411003.D

Injection Date:	11-Apr-2013 09:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

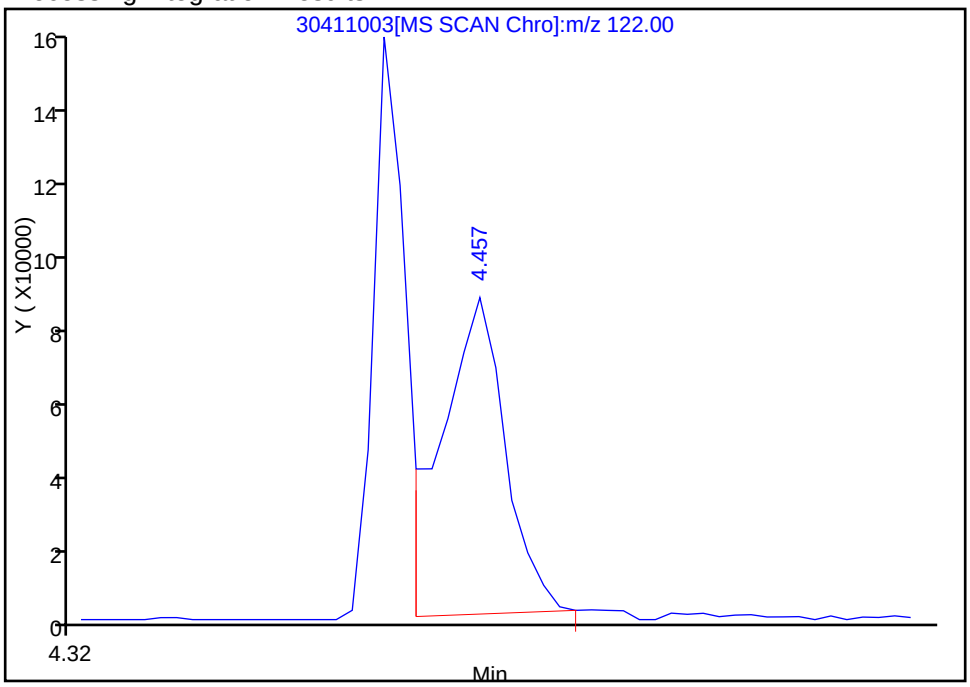
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411003.D		
Injection Date:	11-Apr-2013 09:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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: 4.48

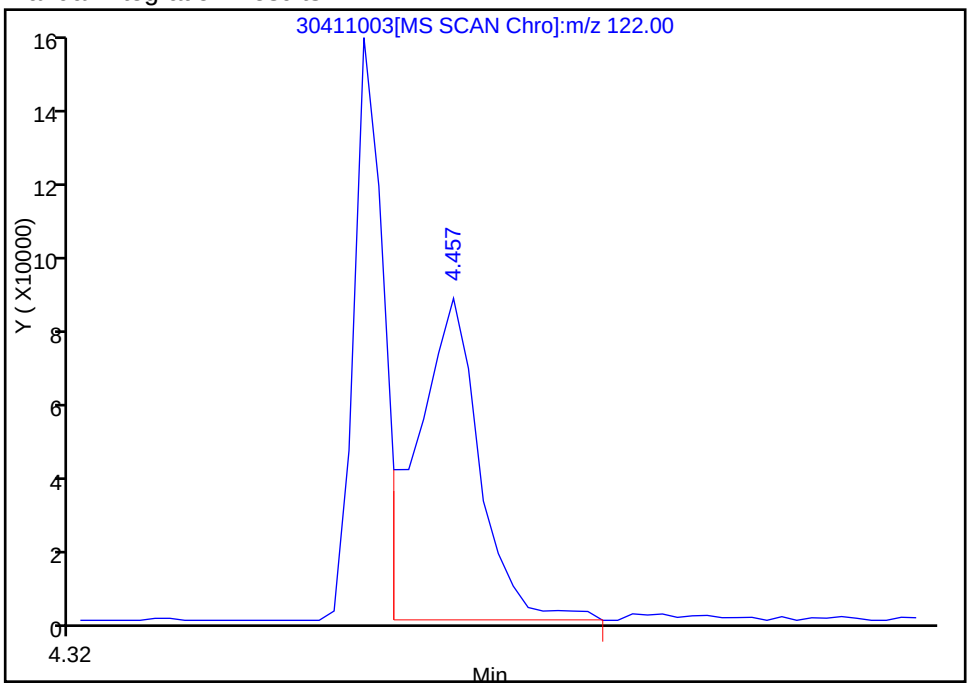
Processing Integration Results

RT: 4.46
Response: 127643
Amount: 3.782243



Manual Integration Results

RT: 4.46
Response: 135124
Amount: 3.837839



Reviewer: ulmanm, 11-Apr-2013 09:41:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

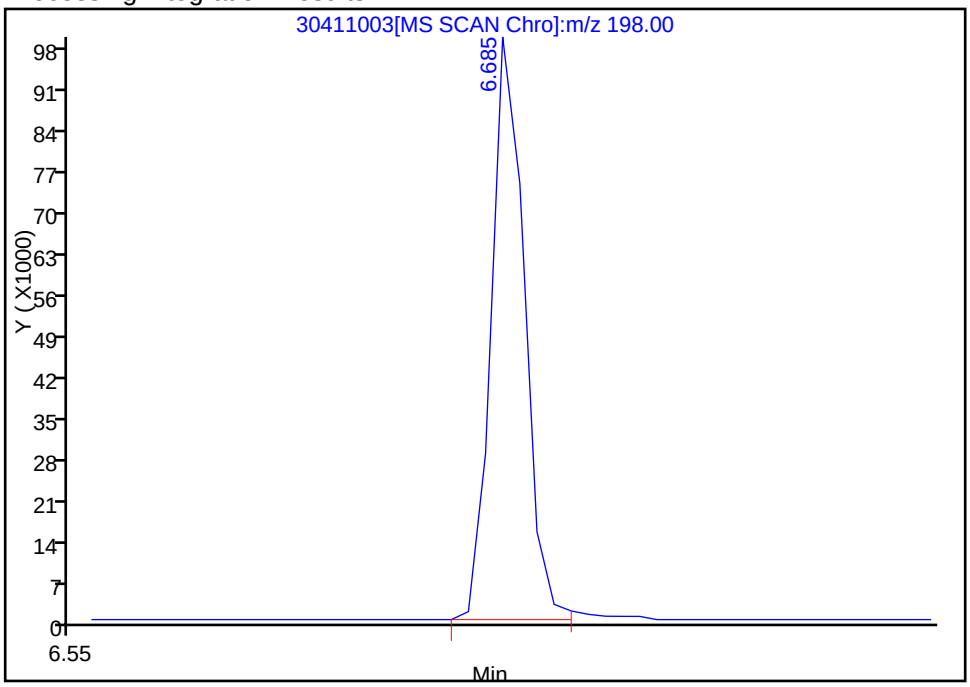
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411003.D		
Injection Date:	11-Apr-2013 09:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

128 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 6.69

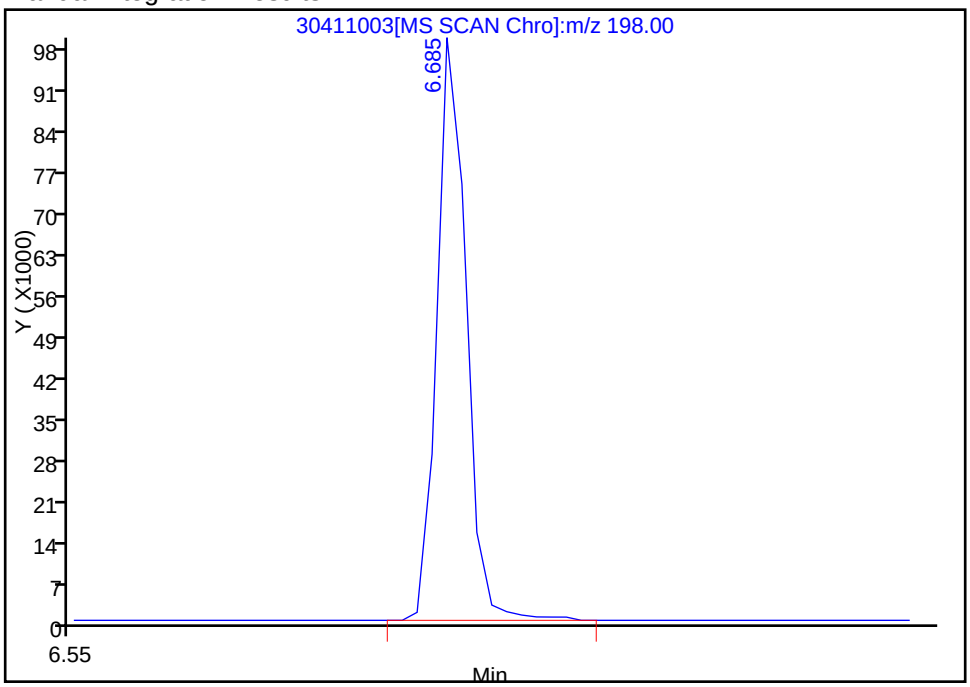
Processing Integration Results

RT: 6.68
Response: 71703
Amount: 3.699945



Manual Integration Results

RT: 6.68
Response: 72553
Amount: 3.716779



Reviewer: ulmanm, 11-Apr-2013 09:41:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411004.D		
Lims ID:	std3 lst1	Client ID:	
Inject. Date:	11-Apr-2013 09:35:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018755-004		
Misc. Info.:	STD3 LST1 =STD3 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	81433	Lims Sample ID:	4
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:51	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 10:13:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.726	3.728	-0.002	93	156182	4.00	
* 2 Naphthalene-d8	136	4.746	4.748	-0.002	98	681599	4.00	
* 3 Acenaphthene-d10	164	6.210	6.212	-0.002	84	385499	4.00	
* 4 Phenanthrene-d10	188	7.465	7.467	-0.002	98	643465	4.00	
* 5 Chrysene-d12	240	9.693	9.700	-0.007	79	651601	4.00	
* 6 Perylene-d12	264	11.168	11.169	-0.001	94	530719	4.00	
$ 7 2-Fluorophenol	112	2.748	2.745	0.003	91	69654	1.02	
$ 8 Phenol-d5	99	3.389	3.391	-0.002	97	102873	1.08	
$ 9 Nitrobenzene-d5	82	4.153	4.155	-0.002	83	101579	0.9607	
$ 10 2-Fluorobiphenyl (Surr)	172	5.628	5.630	-0.002	97	110831	0.9790	
$ 11 2,4,6-Tribromophenol	330	6.867	6.869	-0.002	70	12726	1.03	
$ 12 Terphenyl-d14	244	8.790	8.792	-0.002	97	128511	1.01	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.755	1.751	0.004	89	33221	1.03	
26 N-Nitrosodimethylamine	74	1.926	1.922	0.004	81	61765	1.04	
27 Pyridine	79	1.958	1.960	-0.002	96	95283	0.99	
41 Benzaldehyde	77	3.395	3.397	-0.002	88	165726	2.12	
43 Phenol	94	3.400	3.402	-0.002	85	102691	1.07	
44 Aniline	93	3.464	3.471	-0.007	95	128849	0.99	
69 Bis(2-chloroethyl)ether	93	3.496	3.498	-0.002	95	88698	1.03	
46 2-Chlorophenol	128	3.560	3.562	-0.002	88	56121	1.05	
47 1,3-Dichlorobenzene	146	3.683	3.685	-0.002	87	56052	1.03	
48 1,4-Dichlorobenzene	146	3.742	3.739	0.004	83	57163	1.03	
49 Benzyl alcohol	108	3.806	3.808	-0.002	83	46002	0.9852	
50 1,2-Dichlorobenzene	146	3.860	3.861	-0.001	82	53535	1.02	
51 2-Methylphenol	108	3.876	3.877	-0.001	88	66975	1.06	
53 2,2'-oxybis[1-chloropropane]	45	3.913	3.915	-0.002	95	85540	0.9772	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.929	3.931	-0.002	69	229050	2.04	
21 3 & 4 Methylphenol	108	3.988	3.995	-0.007	92	65910	0.9775	
57 N-Nitrosodi-n-propylamine	70	4.014	4.016	-0.002	68	73508	1.02	
58 Acetophenone	105	4.025	4.027	-0.002	85	102877	1.01	
61 Hexachloroethane	117	4.132	4.134	-0.002	89	28931	1.04	
62 Nitrobenzene	77	4.169	4.171	-0.002	79	101797	1.00	
64 Isophorone	82	4.351	4.358	-0.007	96	169811	0.99	
65 2,4-Dimethylphenol	107	4.426	4.428	-0.002	90	71767	1.04	
66 2-Nitrophenol	139	4.426	4.428	-0.002	70	29911	1.04	
71 Benzoic acid	122	4.447	4.481	-0.034	77	63613	1.66	M
70 Bis(2-chloroethoxy)methane	93	4.511	4.513	-0.002	98	97079	1.01	
73 2,4-Dichlorophenol	162	4.613	4.615	-0.002	90	43020	1.03	
74 1,2,4-Trichlorobenzene	180	4.693	4.695	-0.002	90	45483	1.00	
75 Naphthalene	128	4.762	4.764	-0.002	96	166090	1.01	
76 4-Chloroaniline	127	4.789	4.791	-0.002	61	71597	1.03	
79 Hexachlorobutadiene	225	4.853	4.855	-0.002	87	25391	0.9842	
84 Caprolactam	113	5.051	5.069	-0.018	81	43254	1.97	
86 4-Chloro-3-methylphenol	107	5.163	5.170	-0.007	78	62182	0.99	
87 2-Methylnaphthalene	142	5.334	5.336	-0.002	84	102761	0.99	
88 1-Methylnaphthalene	142	5.414	5.416	-0.002	78	93469	0.9743	
89 Hexachlorocyclopentadiene	237	5.457	5.464	-0.007	88	26867	0.9288	
91 1,2,4,5-Tetrachlorobenzene	216	5.468	5.469	-0.001	88	42869	1.04	
92 2,4,6-Trichlorophenol	196	5.553	5.555	-0.002	85	29241	1.02	
93 2,4,5-Trichlorophenol	196	5.580	5.587	-0.007	82	29394	0.9849	
98 1,1'-Biphenyl	154	5.713	5.715	-0.002	96	129462	1.01	
100 2-Chloronaphthalene	162	5.740	5.742	-0.002	97	96310	1.02	
102 2-Nitroaniline	65	5.809	5.811	-0.002	61	50297	0.9756	
105 Dimethyl phthalate	163	5.948	5.950	-0.002	92	108214	1.00	
106 1,3-Dinitrobenzene	168	5.980	5.982	-0.002	78	17447	0.9367	
107 2,6-Dinitrotoluene	165	6.002	6.009	-0.007	69	24941	1.00	
109 Acenaphthylene	152	6.093	6.094	-0.001	90	153397	1.00	
110 3-Nitroaniline	138	6.146	6.153	-0.007	85	29532	0.9899	
111 2,4-Dinitrophenol	184	6.237	6.239	-0.002	59	27077	1.73	
112 Acenaphthene	153	6.237	6.239	-0.002	86	94640	1.02	
113 4-Nitrophenol	109	6.258	6.265	-0.007	84	48954	1.99	M
114 2,4-Dinitrotoluene	165	6.344	6.345	-0.001	72	31283	0.9482	
116 Dibenzofuran	168	6.381	6.383	-0.002	83	132890	0.9898	
119 2,3,4,6-Tetrachlorophenol	232	6.472	6.474	-0.002	76	24221	0.9478	
121 Diethyl phthalate	149	6.536	6.543	-0.007	92	109711	1.04	
123 4-Chlorophenyl phenyl ether	204	6.653	6.655	-0.002	90	54638	1.05	
125 4-Nitroaniline	138	6.659	6.666	-0.007	76	28865	0.9728	
126 Fluorene	166	6.669	6.671	-0.002	80	111885	1.03	
128 4,6-Dinitro-2-methylphenol	198	6.686	6.693	-0.007	72	38242	1.83	
131 N-Nitrosodiphenylamine	169	6.750	6.751	-0.001	99	150292	2.02	
132 1,2-Diphenylhydrazine	77	6.787	6.794	-0.007	100	208607	1.00	
133 Azobenzene	77	6.787	6.794	-0.007	94	207646	1.00	
139 4-Bromophenyl phenyl ether	248	7.070	7.072	-0.002	70	26649	1.01	
141 Hexachlorobenzene	284	7.134	7.136	-0.002	80	25698	1.01	
142 Atrazine	200	7.177	7.184	-0.007	79	63044	2.07	
143 Pentachlorophenol	266	7.289	7.291	-0.002	82	29717	1.82	
148 Phenanthrene	178	7.481	7.489	-0.008	97	158207	0.9887	
149 Anthracene	178	7.524	7.531	-0.007	98	161129	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.647	7.649	-0.002	84	146432	1.00	
154 Di-n-butyl phthalate	149	7.909	7.916	-0.007	99	185126	1.01	
159 Fluoranthene	202	8.486	8.493	-0.007	100	169915	0.9891	
160 Benzidine	184	8.577	8.578	-0.001	96	181339	2.50	
161 Pyrene	202	8.683	8.685	-0.002	93	173802	1.00	
168 Butyl benzyl phthalate	149	9.180	9.182	-0.002	86	80516	1.00	
175 3,3'-Dichlorobenzidine	252	9.640	9.647	-0.007	73	110398	2.01	
173 Bis(2-ethylhexyl) phthalate	149	9.650	9.652	-0.002	93	109970	1.00	
177 Benzo[a]anthracene	228	9.682	9.690	-0.008	97	163570	0.9892	
178 Chrysene	228	9.715	9.722	-0.008	91	155869	1.00	
180 Di-n-octyl phthalate	149	10.222	10.224	-0.002	99	181605	0.9456	
182 Benzo[b]fluoranthene	252	10.708	10.715	-0.007	84	139937	0.9407	
183 Benzo[k]fluoranthene	252	10.740	10.747	-0.007	95	149846	0.9709	
184 Benzo[a]pyrene	252	11.098	11.105	-0.007	75	134289	0.9668	
188 Indeno[1,2,3-cd]pyrene	276	12.733	12.745	-0.012	92	142247	0.9627	
189 Dibenz(a,h)anthracene	278	12.754	12.767	-0.013	66	117137	0.9468	
190 Benzo[g,h,i]perylene	276	13.208	13.226	-0.018	86	119954	0.9656	
S 245 Total Cresols	100				0		2.03	
S 191 Methyl Phenols,Total	100				0		2.03	

QC Flag Legend

Review Flags
M - Manually Integrated

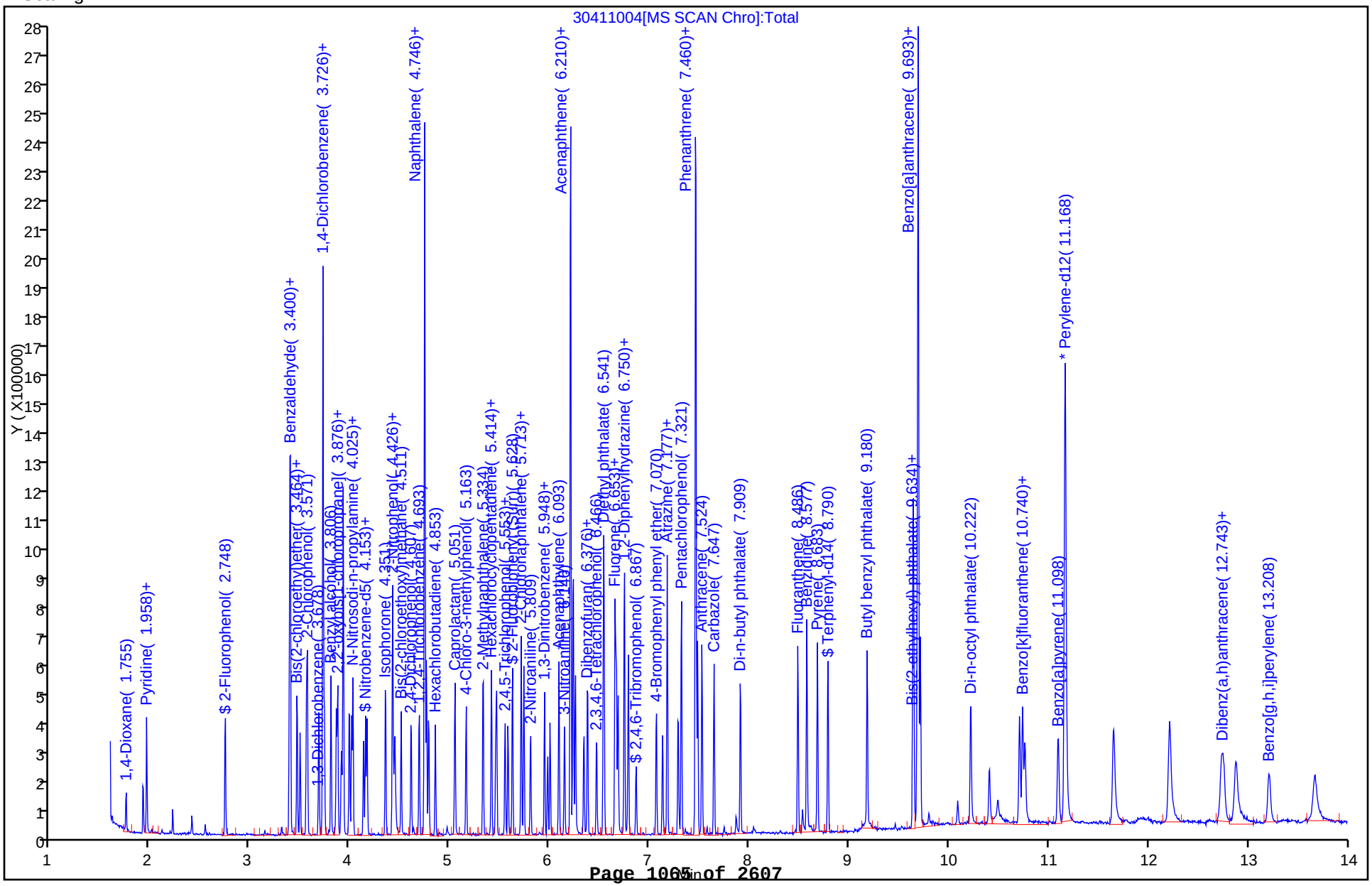
Report Date: 11-Apr-2013 12:46:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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Injection Date:	11-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

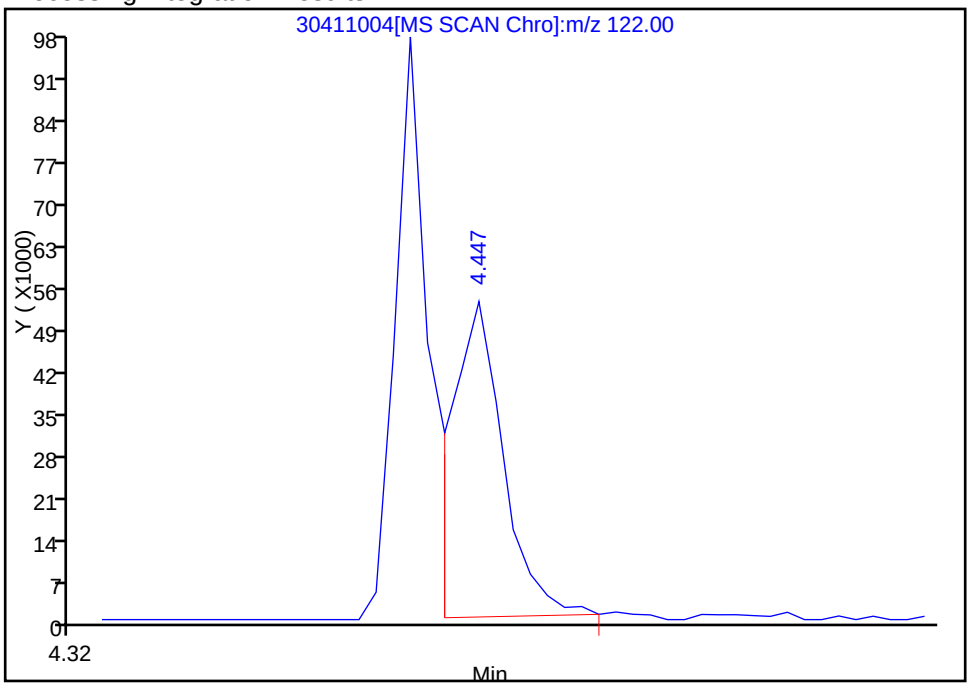
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411004.D		
Injection Date:	11-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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: 4.48

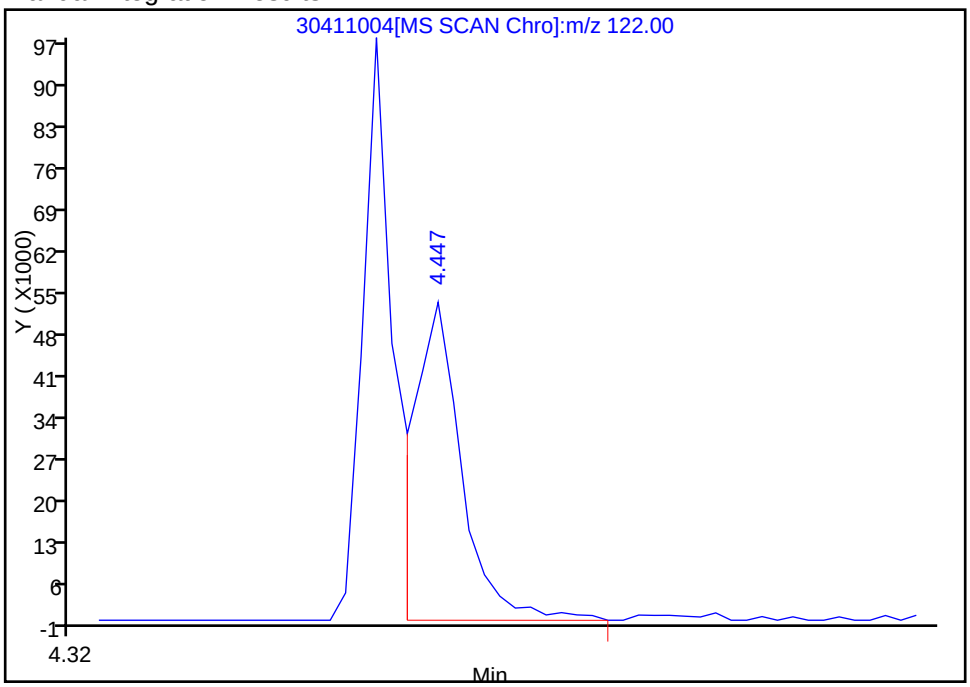
Processing Integration Results

RT: 4.45
Response: 60709
Amount: 1.717593



Manual Integration Results

RT: 4.45
Response: 63613
Amount: 1.655988



Reviewer: ulmanm, 11-Apr-2013 10:13:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

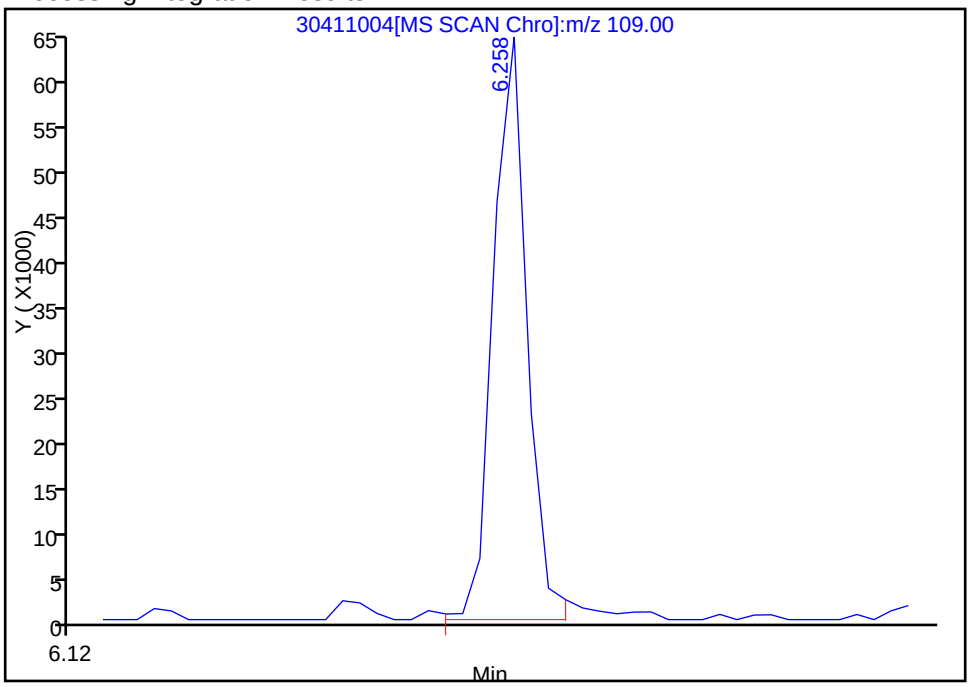
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411004.D		
Injection Date:	11-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

113 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 6.27

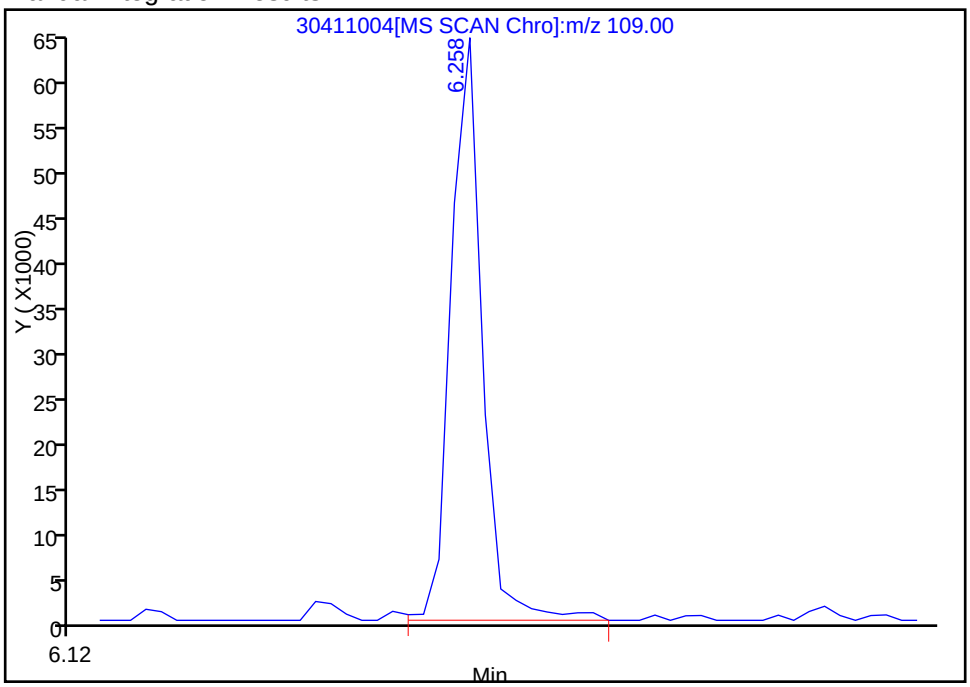
Processing Integration Results

RT: 6.26
Response: 47551
Amount: 1.925824



Manual Integration Results

RT: 6.26
Response: 48954
Amount: 1.986254



Reviewer: ulmanm, 11-Apr-2013 10:13:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411005.D		
Lims ID:	std2 lst1	Client ID:	
Inject. Date:	11-Apr-2013 09:55:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018755-005		
Misc. Info.:	STD2 LST1 =STD2 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	81433	Lims Sample ID:	5
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:52	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 10:16:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.728	3.728	0.0	94	161568	4.00	
* 2 Naphthalene-d8	136	4.749	4.748	0.001	99	705742	4.00	
* 3 Acenaphthene-d10	164	6.207	6.212	-0.005	86	402701	4.00	
* 4 Phenanthrene-d10	188	7.463	7.467	-0.004	97	677012	4.00	
* 5 Chrysene-d12	240	9.696	9.700	-0.004	79	685007	4.00	
* 6 Perylene-d12	264	11.165	11.169	-0.004	96	549412	4.00	
$ 7 2-Fluorophenol	112	2.745	2.745	0.0	91	38170	0.5424	
$ 8 Phenol-d5	99	3.392	3.391	0.001	97	57257	0.5824	
$ 9 Nitrobenzene-d5	82	4.150	4.155	-0.005	84	52547	0.4800	
$ 10 2-Fluorobiphenyl (Surr)	172	5.625	5.630	-0.005	97	59223	0.4781	
$ 11 2,4,6-Tribromophenol	330	6.870	6.869	0.001	61	6166	0.4772	
$ 12 Terphenyl-d14	244	8.787	8.792	-0.005	94	66892	0.4768	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.752	1.751	0.001	91	17248	0.5155	
26 N-Nitrosodimethylamine	74	1.923	1.922	0.001	88	29978	0.4876	
27 Pyridine	79	1.960	1.960	0.0	96	49008	0.4940	
41 Benzaldehyde	77	3.397	3.397	0.0	85	84824	1.05	
43 Phenol	94	3.397	3.402	-0.005	86	51753	0.5202	
44 Aniline	93	3.467	3.471	-0.004	95	67224	0.5000	
69 Bis(2-chloroethyl)ether	93	3.499	3.498	0.001	92	45541	0.5122	
46 2-Chlorophenol	128	3.563	3.562	0.001	90	28950	0.5248	
47 1,3-Dichlorobenzene	146	3.686	3.685	0.001	85	29260	0.5175	
48 1,4-Dichlorobenzene	146	3.739	3.739	0.001	71	29610	0.5146	
49 Benzyl alcohol	108	3.809	3.808	0.001	85	25072	0.5190	
50 1,2-Dichlorobenzene	146	3.862	3.861	0.001	73	26359	0.4870	
51 2-Methylphenol	108	3.873	3.877	-0.004	92	32885	0.5010	
53 2,2'-oxybis[1-chloropropane]	45	3.910	3.915	-0.005	92	46138	0.5095	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.931	3.931	0.0	70	121463	1.05	
21 3 & 4 Methylphenol	108	3.990	3.995	-0.005	85	34752	0.4982	
57 N-Nitrosodi-n-propylamine	70	4.012	4.016	-0.004	63	38306	0.5136	
58 Acetophenone	105	4.028	4.027	0.001	76	54457	0.5180	
61 Hexachloroethane	117	4.134	4.134	0.0	84	14785	0.5150	
62 Nitrobenzene	77	4.166	4.171	-0.005	79	52780	0.5024	
64 Isophorone	82	4.353	4.358	-0.005	94	88366	0.4979	
65 2,4-Dimethylphenol	107	4.423	4.428	-0.005	87	37479	0.5239	
66 2-Nitrophenol	139	4.423	4.428	-0.005	75	16215	0.5453	
71 Benzoic acid	122		4.481					
70 Bis(2-chloroethoxy)methane	93	4.508	4.513	-0.005	96	49345	0.4958	
73 2,4-Dichlorophenol	162	4.610	4.615	-0.005	87	20803	0.4793	
74 1,2,4-Trichlorobenzene	180	4.690	4.695	-0.005	86	23751	0.5053	
75 Naphthalene	128	4.765	4.764	0.001	94	84998	0.4977	
76 4-Chloroaniline	127	4.786	4.791	-0.005	69	35325	0.4893	
79 Hexachlorobutadiene	225	4.856	4.855	0.001	84	13216	0.4947	
84 Caprolactam	113	5.048	5.069	-0.021	73	21246	0.9340	
86 4-Chloro-3-methylphenol	107	5.160	5.170	-0.010	79	32668	0.5028	
87 2-Methylnaphthalene	142	5.331	5.336	-0.005	81	52499	0.4888	
88 1-Methylnaphthalene	142	5.417	5.416	0.001	77	50817	0.5116	
89 Hexachlorocyclopentadiene	237	5.459	5.464	-0.005	87	13490	0.4464	
91 1,2,4,5-Tetrachlorobenzene	216	5.470	5.469	0.001	87	22277	0.5173	
92 2,4,6-Trichlorophenol	196	5.555	5.555	0.0	82	14972	0.4983	
93 2,4,5-Trichlorophenol	196	5.582	5.587	-0.005	81	14602	0.4683	
98 1,1'-Biphenyl	154	5.716	5.715	0.001	95	66537	0.4979	
100 2-Chloronaphthalene	162	5.742	5.742	0.0	98	49924	0.5042	
102 2-Nitroaniline	65	5.807	5.811	-0.005	53	24299	0.4512	
105 Dimethyl phthalate	163	5.945	5.950	-0.005	92	54996	0.4849	
106 1,3-Dinitrobenzene	168	5.977	5.982	-0.005	74	7751	0.3983	
107 2,6-Dinitrotoluene	165	6.004	6.009	-0.005	65	11829	0.4540	
109 Acenaphthylene	152	6.090	6.094	-0.004	83	75793	0.4741	
110 3-Nitroaniline	138	6.148	6.153	-0.005	82	14396	0.4619	
111 2,4-Dinitrophenol	184		6.239					
112 Acenaphthene	153	6.234	6.239	-0.005	89	50375	0.5207	
113 4-Nitrophenol	109	6.255	6.265	-0.010	83	22066	0.8571	
114 2,4-Dinitrotoluene	165	6.341	6.345	-0.004	66	14881	0.4318	
116 Dibenzofuran	168	6.378	6.383	-0.005	86	69306	0.4942	
119 2,3,4,6-Tetrachlorophenol	232	6.469	6.474	-0.005	72	13404	0.5021	
121 Diethyl phthalate	149	6.538	6.543	-0.005	91	53133	0.4825	
123 4-Chlorophenyl phenyl ether	204	6.656	6.655	0.001	86	27139	0.4999	
125 4-Nitroaniline	138	6.656	6.666	-0.010	72	14282	0.4608	
126 Fluorene	166	6.667	6.671	-0.004	72	56667	0.4993	
128 4,6-Dinitro-2-methylphenol	198		6.693					
131 N-Nitrosodiphenylamine	169	6.747	6.751	-0.004	95	79301	1.01	
132 1,2-Diphenylhydrazine	77	6.789	6.794	-0.005	99	106236	0.4847	
133 Azobenzene	77	6.789	6.794	-0.005	93	106236	0.4847	
139 4-Bromophenyl phenyl ether	248	7.067	7.072	-0.005	72	13063	0.4711	
141 Hexachlorobenzene	284	7.131	7.136	-0.005	78	13172	0.4925	
142 Atrazine	200	7.179	7.184	-0.005	81	33227	1.04	
143 Pentachlorophenol	266	7.286	7.291	-0.005	74	14248	0.8271	
148 Phenanthrene	178	7.484	7.489	-0.005	97	84830	0.5039	
149 Anthracene	178	7.527	7.531	-0.004	98	81882	0.4834	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.644	7.649	-0.005	83	73388	0.4764	
154 Di-n-butyl phthalate	149	7.911	7.916	-0.005	97	89859	0.4647	
159 Fluoranthene	202	8.488	8.493	-0.005	98	84861	0.4695	
160 Benzidine	184	8.579	8.578	0.001	96	82960	1.09	
161 Pyrene	202	8.686	8.685	0.001	94	88010	0.4813	
168 Butyl benzyl phthalate	149	9.183	9.182	0.001	85	40708	0.4824	
175 3,3'-Dichlorobenzidine	252	9.642	9.647	-0.005	66	52327	0.9084	
173 Bis(2-ethylhexyl) phthalate	149	9.648	9.652	-0.004	91	55363	0.4795	
177 Benzo[a]anthracene	228	9.685	9.690	-0.005	89	80706	0.4643	
178 Chrysene	228	9.717	9.722	-0.005	90	77291	0.4728	
180 Di-n-octyl phthalate	149	10.219	10.224	-0.005	98	87265	0.4389	
182 Benzo[b]fluoranthene	252	10.711	10.715	-0.004	90	74444	0.4834	
183 Benzo[k]fluoranthene	252	10.743	10.747	-0.004	78	74384	0.4656	M
184 Benzo[a]pyrene	252	11.095	11.105	-0.010	67	66694	0.4638	
188 Indeno[1,2,3-cd]pyrene	276	12.735	12.745	-0.010	89	68954	0.4508	
189 Dibenz(a,h)anthracene	278	12.757	12.767	-0.010	59	58287	0.4551	
190 Benzo[g,h,i]perylene	276	13.211	13.226	-0.015	81	55695	0.4331	
S 245 Total Cresols	100				0		1.00	
S 191 Methyl Phenols,Total	100				0		1.00	

QC Flag Legend

Review Flags
M - Manually Integrated

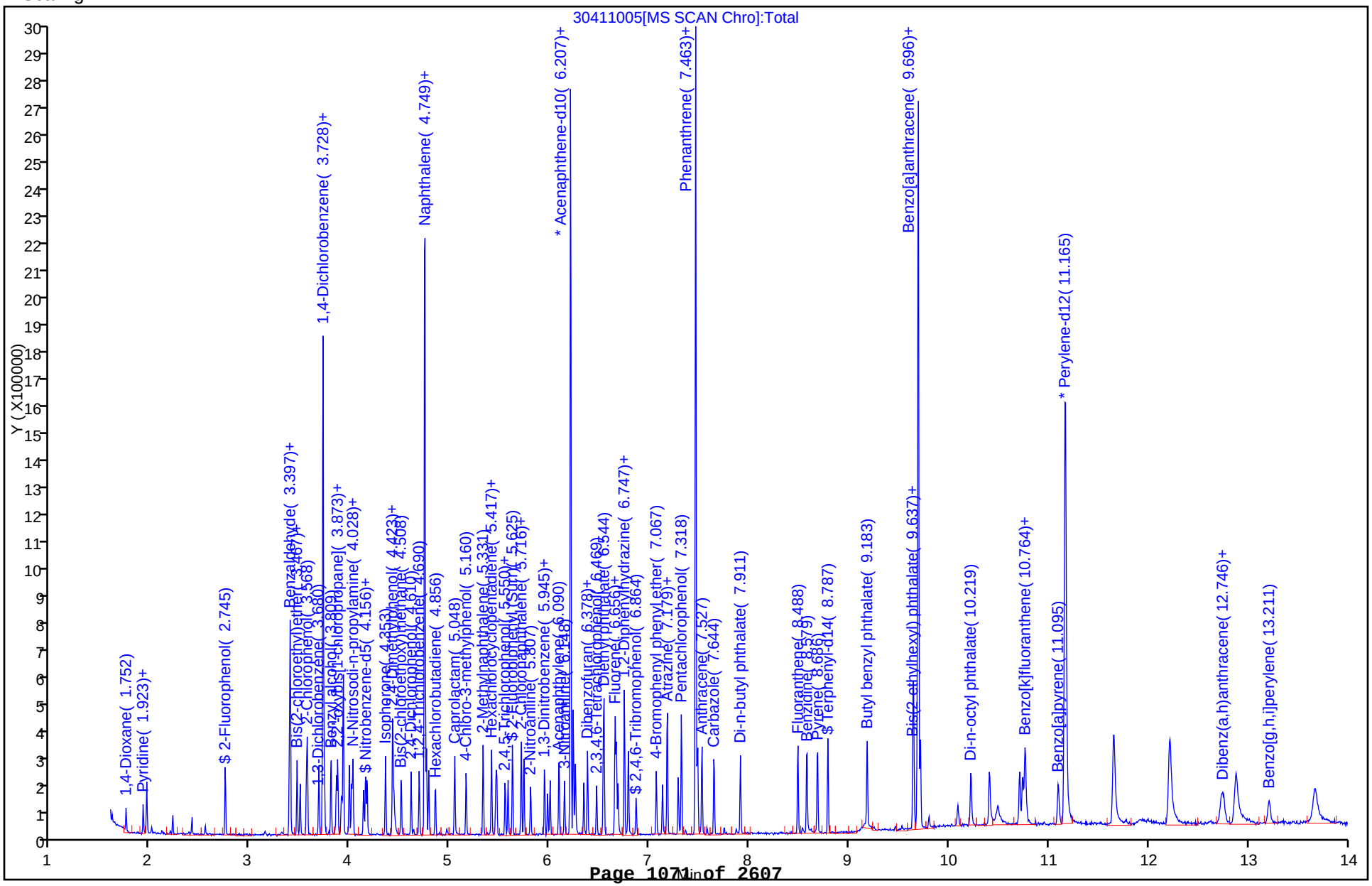
Report Date: 11-Apr-2013 12:46:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411005.D

Injection Date:	11-Apr-2013 09:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

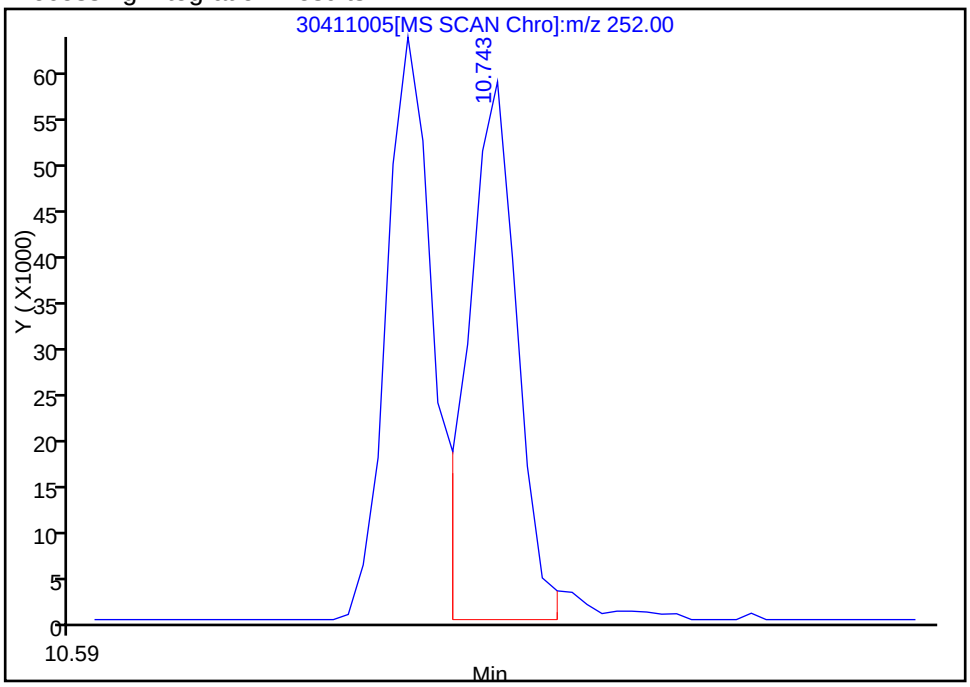
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411005.D		
Injection Date:	11-Apr-2013 09:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	5
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: 10.75

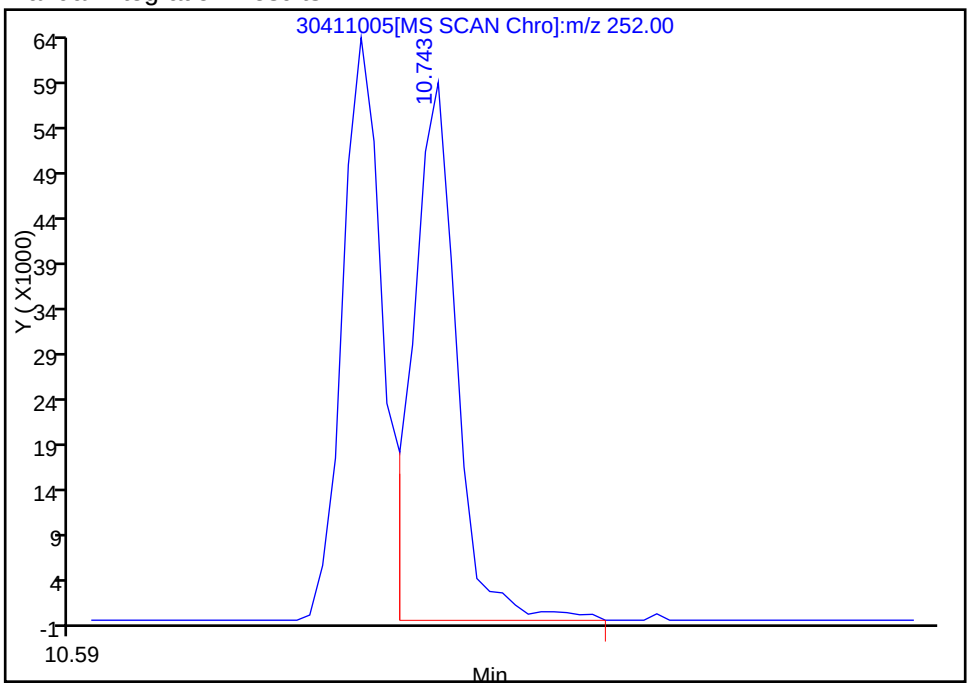
Processing Integration Results

RT: 10.74
Response: 71343
Amount: 0.471792



Manual Integration Results

RT: 10.74
Response: 74384
Amount: 0.465564



Reviewer: ulmanm, 11-Apr-2013 10:16:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411006.D		
Lims ID:	std1 lst1	Client ID:	
Inject. Date:	11-Apr-2013 10:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018755-006		
Misc. Info.:	STD1 LST1 =STD1 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	81433	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:53	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 10:35:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.725	3.728	-0.003	92	173748	4.00	
* 2 Naphthalene-d8	136	4.745	4.748	-0.003	98	744396	4.00	
* 3 Acenaphthene-d10	164	6.209	6.212	-0.003	86	421679	4.00	
* 4 Phenanthrene-d10	188	7.465	7.467	-0.002	98	721640	4.00	
* 5 Chrysene-d12	240	9.698	9.700	-0.002	85	721816	4.00	
* 6 Perylene-d12	264	11.167	11.169	-0.002	93	595016	4.00	
$ 9 Nitrobenzene-d5	82	4.152	4.155	-0.003	77	15226	0.1319	
$ 10 2-Fluorobiphenyl (Surr)	172	5.627	5.630	-0.003	78	18102	0.1067	
$ 12 Terphenyl-d14	244	8.789	8.792	-0.003	80	21163	0.1109	
41 Benzaldehyde	77	3.399	3.397	0.002	86	20473	0.2354	
75 Naphthalene	128	4.767	4.764	0.003	63	20846	0.1157	
87 2-Methylnaphthalene	142	5.333	5.336	-0.003	70	13070	0.1154	
88 1-Methylnaphthalene	142	5.419	5.416	0.003	65	11227	0.1072	
98 1,1'-Biphenyl	154	5.712	5.715	-0.003	88	15529	0.1110	
100 2-Chloronaphthalene	162	5.739	5.742	-0.003	87	11730	0.1131	
109 Acenaphthylene	152	6.092	6.094	-0.002	78	19726	0.1178	
112 Acenaphthene	153	6.236	6.239	-0.003	77	11639	0.1149	
116 Dibenzofuran	168	6.380	6.383	-0.003	74	16879	0.1149	
126 Fluorene	166	6.669	6.671	-0.002	59	13021	0.1096	
141 Hexachlorobenzene	284	7.133	7.136	-0.003	19	2789	0.0978	
148 Phenanthrene	178	7.481	7.489	-0.008	57	20617	0.1149	
149 Anthracene	178	7.523	7.531	-0.008	70	18968	0.1050	
159 Fluoranthene	202	8.490	8.493	-0.003	88	21118	0.1096	
161 Pyrene	202	8.683	8.685	-0.002	91	21263	0.1104	
177 Benzo[a]anthracene	228	9.687	9.690	-0.003	77	21886	0.1195	
178 Chrysene	228	9.714	9.722	-0.008	83	20913	0.1214	
182 Benzo[b]fluoranthene	252	10.713	10.715	-0.002	76	15187	0.0911	
183 Benzo[k]fluoranthene	252	10.739	10.747	-0.008	60	19319	0.1116	
184 Benzo[a]pyrene	252	11.097	11.105	-0.008	43	15062	0.0967	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	12.737	12.745	-0.008	52	14872	0.0898	
189 Dibenz(a,h)anthracene	278	12.753	12.767	-0.014	0	12702	0.0916	M
190 Benzo[g,h,i]perylene	276	13.218	13.226	-0.008	61	13615	0.0978	

QC Flag Legend

Review Flags
M - Manually Integrated

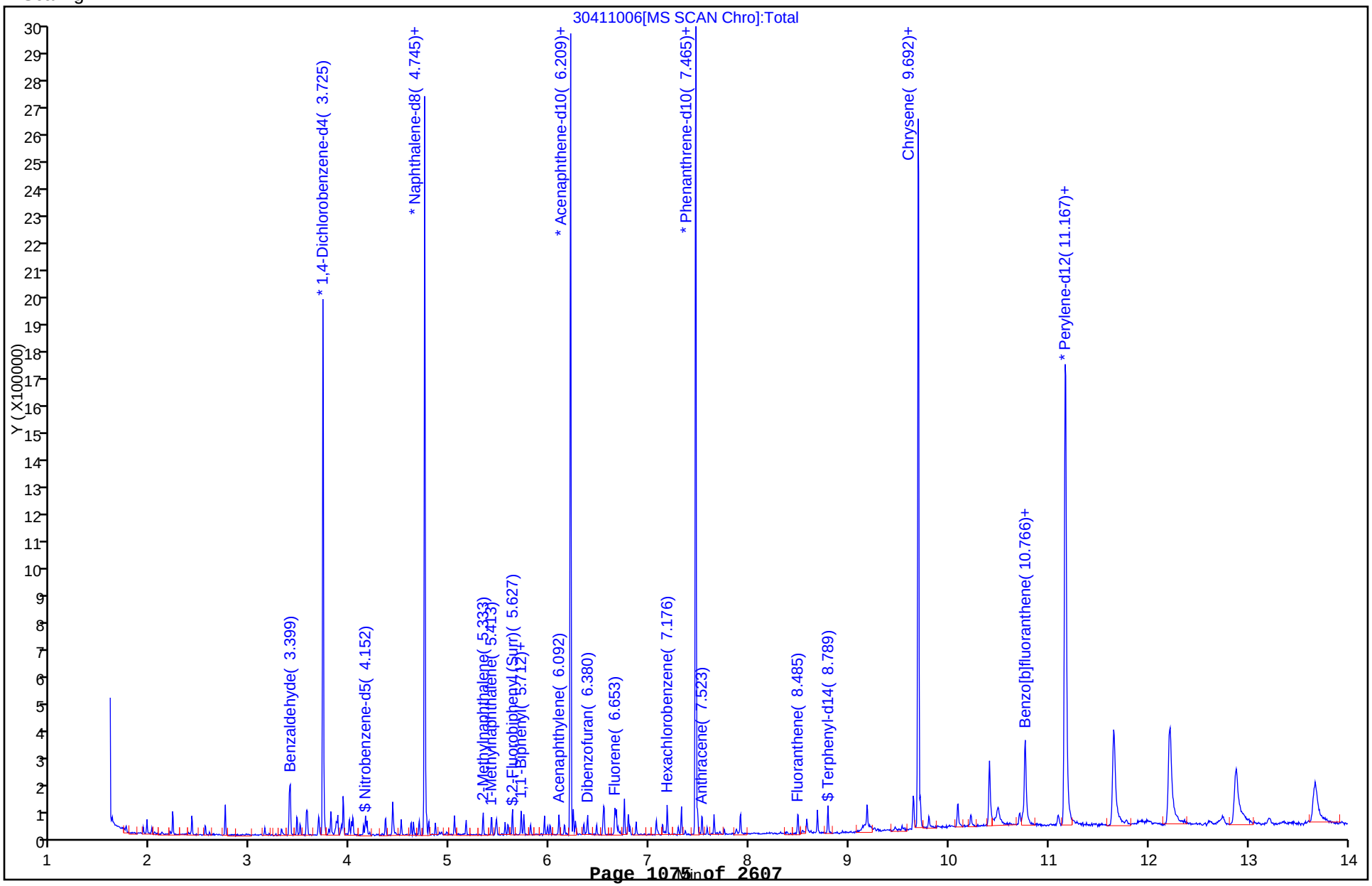
Report Date: 11-Apr-2013 12:46:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411006.D

Injection Date:	11-Apr-2013 10:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

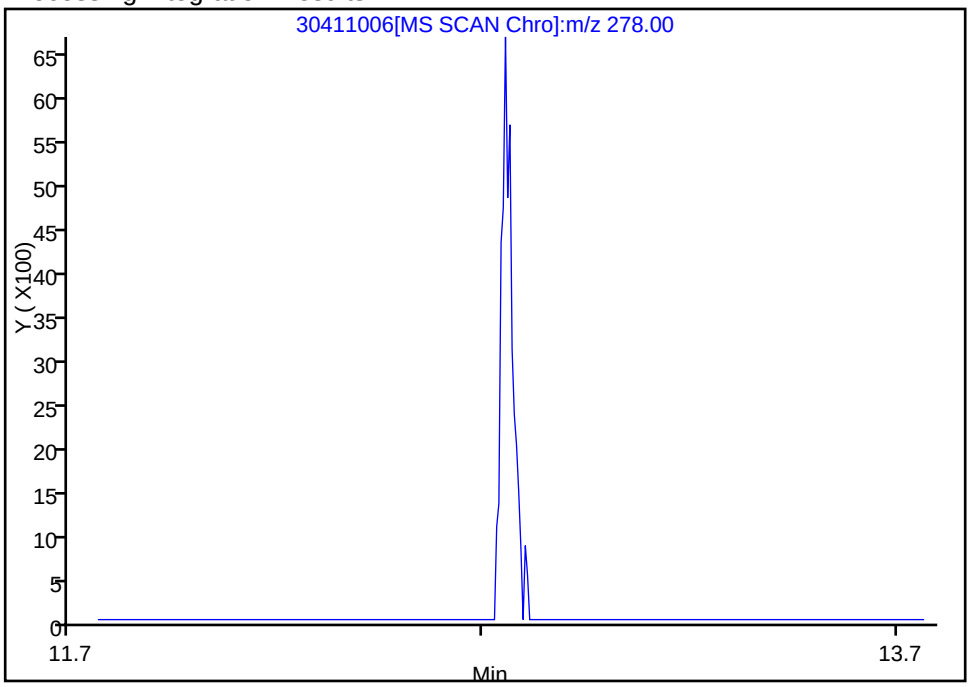
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411006.D		
Injection Date:	11-Apr-2013 10:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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: 12.77

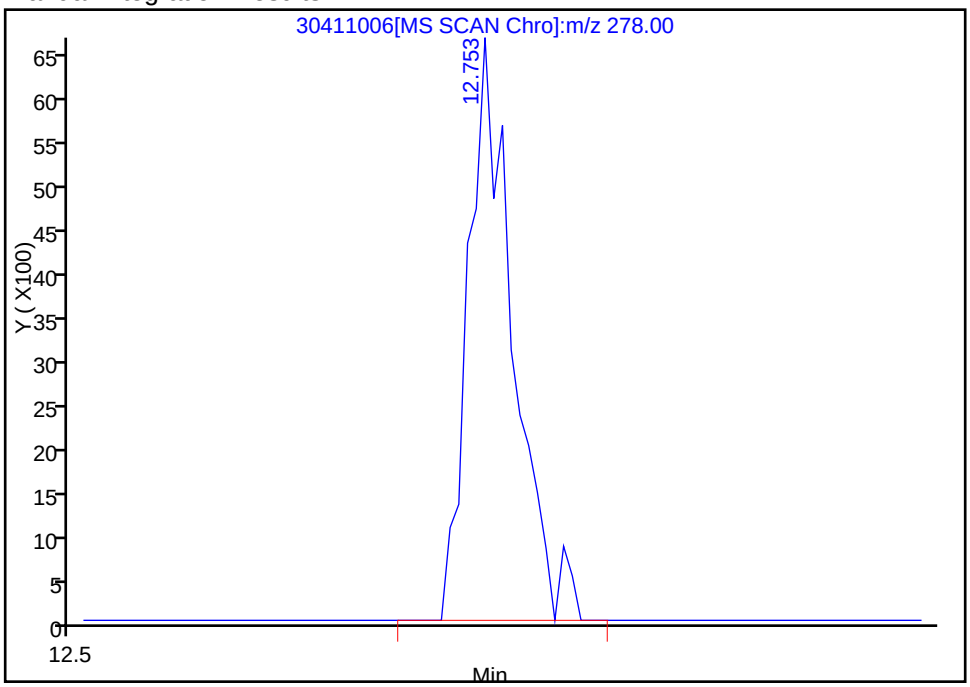
Processing Integration Results

Not Detected
Expected RT: 12.77



Manual Integration Results

RT: 12.75
Response: 12702
Amount: 0.091577



Reviewer: ulmanm, 11-Apr-2013 10:35:09
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411007.D		
Lims ID:	std9 lst1	Client ID:	
Inject. Date:	11-Apr-2013 10:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0018755-007		
Misc. Info.:	STD9 LST1 =STD9 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	81433	Lims Sample ID:	7
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:54	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 12:01:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.730	3.728	0.002	91	146918	4.00	
* 2 Naphthalene-d8	136	4.750	4.748	0.002	98	654175	4.00	
* 3 Acenaphthene-d10	164	6.214	6.212	0.002	86	369976	4.00	
* 4 Phenanthrene-d10	188	7.469	7.467	0.002	97	628063	4.00	
* 5 Chrysene-d12	240	9.702	9.700	0.002	70	643662	4.00	
* 6 Perylene-d12	264	11.171	11.169	0.002	97	517888	4.00	
$ 7 2-Fluorophenol	112	2.747	2.745	0.002	95	1558834	24.4	
$ 8 Phenol-d5	99	3.404	3.391	0.013	82	2044518	22.9	
$ 9 Nitrobenzene-d5	82	4.163	4.155	0.008	82	2450498	24.1	
$ 10 2-Fluorobiphenyl (Surr)	172	5.632	5.630	0.002	98	2621959	25.2	
$ 11 2,4,6-Tribromophenol	330	6.876	6.869	0.007	80	311519	26.2	
$ 12 Terphenyl-d14	244	8.794	8.792	0.002	97	3077649	25.6	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.748	1.751	-0.003	93	747922	24.6	
26 N-Nitrosodimethylamine	74	1.930	1.922	0.008	85	1420872	25.4	
27 Pyridine	79	1.956	1.960	-0.004	92	2322156	25.7	
41 Benzaldehyde	77		3.397					
43 Phenol	94	3.415	3.402	0.013	96	2173132	24.0	
44 Aniline	93	3.479	3.471	0.008	96	3110487	25.4	
69 Bis(2-chloroethyl)ether	93	3.506	3.498	0.008	95	2052610	25.4	
46 2-Chlorophenol	128	3.570	3.562	0.008	85	1175394	23.4	
47 1,3-Dichlorobenzene	146	3.687	3.685	0.002	83	1275656	24.8	
48 1,4-Dichlorobenzene	146	3.746	3.739	0.008	83	1295587	24.8	
49 Benzyl alcohol	108	3.821	3.808	0.013	83	1096795	25.0	
50 1,2-Dichlorobenzene	146	3.863	3.861	0.002	82	1227897	25.0	
51 2-Methylphenol	108	3.885	3.877	0.008	94	1484847	24.9	
53 2,2'-oxybis[1-chloropropane]	45	3.917	3.915	0.002	95	2048220	24.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.938	3.931	0.007	69	5237242	49.6	
21 3 & 4 Methylphenol	108	4.008	3.995	0.013	94	1609462	25.4	
57 N-Nitrosodi-n-propylamine	70	4.029	4.016	0.013	77	1658128	24.4	
58 Acetophenone	105	4.034	4.027	0.007	83	2337664	24.5	
61 Hexachloroethane	117	4.136	4.134	0.002	86	648835	24.9	
62 Nitrobenzene	77	4.179	4.171	0.008	74	2490245	25.6	
64 Isophorone	82	4.366	4.358	0.008	95	4164083	25.3	
65 2,4-Dimethylphenol	107	4.435	4.428	0.007	94	1549411	23.4	
66 2-Nitrophenol	139	4.430	4.428	0.002	82	639888	23.2	
71 Benzoic acid	122	4.542	4.481	0.061	80	2028228	55.0	M
70 Bis(2-chloroethoxy)methane	93	4.521	4.513	0.007	97	2280289	24.7	
73 2,4-Dichlorophenol	162	4.617	4.615	0.002	90	1008242	25.1	
74 1,2,4-Trichlorobenzene	180	4.697	4.695	0.002	83	1059423	24.3	
75 Naphthalene	128	4.772	4.764	0.008	98	3803740	24.0	
76 4-Chloroaniline	127	4.793	4.791	0.002	70	1681268	25.1	
79 Hexachlorobutadiene	225	4.857	4.855	0.002	90	626096	25.3	
84 Caprolactam	113	5.124	5.069	0.055	80	1099270	52.1	M
86 4-Chloro-3-methylphenol	107	5.183	5.170	0.013	79	1494659	24.8	
87 2-Methylnaphthalene	142	5.338	5.336	0.002	83	2417434	24.3	
88 1-Methylnaphthalene	142	5.423	5.416	0.007	80	2251095	24.4	
89 Hexachlorocyclopentadiene	237	5.466	5.464	0.002	92	759429	27.4	
91 1,2,4,5-Tetrachlorobenzene	216	5.477	5.469	0.008	92	977786	24.7	
92 2,4,6-Trichlorophenol	196	5.562	5.555	0.007	87	685216	24.8	
93 2,4,5-Trichlorophenol	196	5.594	5.587	0.007	83	732640	25.6	
98 1,1'-Biphenyl	154	5.722	5.715	0.007	96	3001767	24.4	
100 2-Chloronaphthalene	162	5.749	5.742	0.007	98	2232216	24.5	
102 2-Nitroaniline	65	5.819	5.811	0.008	68	1309228	26.5	
105 Dimethyl phthalate	163	5.963	5.950	0.013	92	2668300	25.6	
106 1,3-Dinitrobenzene	168	5.995	5.982	0.013	77	492392	27.5	
107 2,6-Dinitrotoluene	165	6.016	6.009	0.007	69	617346	25.8	
109 Acenaphthylene	152	6.102	6.094	0.008	87	3664945	25.0	
110 3-Nitroaniline	138	6.166	6.153	0.013	87	742605	25.9	
111 2,4-Dinitrophenol	184	6.251	6.239	0.012	72	830625	55.2	
112 Acenaphthene	153	6.246	6.239	0.007	88	2119271	23.8	
113 4-Nitrophenol	109	6.283	6.265	0.018	86	1297045	54.8	
114 2,4-Dinitrotoluene	165	6.358	6.345	0.013	78	847343	26.8	
116 Dibenzofuran	168	6.390	6.383	0.007	83	3229956	25.1	
119 2,3,4,6-Tetrachlorophenol	232	6.476	6.474	0.002	81	623429	25.4	
121 Diethyl phthalate	149	6.551	6.543	0.008	94	2530710	25.0	
123 4-Chlorophenyl phenyl ether	204	6.663	6.655	0.008	94	1242964	24.9	
125 4-Nitroaniline	138	6.689	6.666	0.023	75	734066	25.8	
126 Fluorene	166	6.679	6.671	0.008	81	2580278	24.7	
128 4,6-Dinitro-2-methylphenol	198	6.705	6.693	0.012	68	1088476	53.5	
131 N-Nitrosodiphenylamine	169	6.764	6.751	0.013	99	3770691	51.8	
132 1,2-Diphenylhydrazine	77	6.796	6.794	0.002	100	5349519	26.3	
133 Azobenzene	77	6.796	6.794	0.002	94	5349519	26.3	
139 4-Bromophenyl phenyl ether	248	7.074	7.072	0.002	72	668066	26.0	
141 Hexachlorobenzene	284	7.138	7.136	0.002	85	633630	25.5	
142 Atrazine	200	7.197	7.184	0.013	86	1435014	48.3	
143 Pentachlorophenol	266	7.298	7.291	0.007	82	920785	57.6	
148 Phenanthrene	178	7.491	7.489	0.002	99	3880115	24.8	
149 Anthracene	178	7.533	7.531	0.002	88	4004604	25.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.656	7.649	0.007	84	3663180	25.6	
154 Di-n-butyl phthalate	149	7.918	7.916	0.002	100	4677270	26.1	
159 Fluoranthene	202	8.495	8.493	0.002	99	4293017	25.6	
160 Benzidine	184	8.586	8.578	0.008	98	2949658	41.1	M
161 Pyrene	202	8.693	8.685	0.008	96	4369601	25.4	
168 Butyl benzyl phthalate	149	9.190	9.182	0.008	89	2045100	25.8	
175 3,3'-Dichlorobenzidine	252	9.660	9.647	0.013	71	2951638	54.5	
173 Bis(2-ethylhexyl) phthalate	149	9.654	9.652	0.002	96	2863557	26.4	
177 Benzo[a]anthracene	228	9.697	9.690	0.007	89	4153351	25.4	
178 Chrysene	228	9.729	9.722	0.007	94	3970776	25.9	
180 Di-n-octyl phthalate	149	10.226	10.224	0.002	99	5148498	27.5	
182 Benzo[b]fluoranthene	252	10.728	10.715	0.013	85	3935599	27.1	
183 Benzo[k]fluoranthene	252	10.760	10.747	0.013	86	3980174	26.4	
184 Benzo[a]pyrene	252	11.118	11.105	0.013	76	3647722	26.9	
188 Indeno[1,2,3-cd]pyrene	276	12.774	12.745	0.029	91	3969808	27.5	
189 Dibenz(a,h)anthracene	278	12.801	12.767	0.034	72	3344731	27.7	
190 Benzo[g,h,i]perylene	276	13.271	13.226	0.045	88	3292683	27.2	
S 245 Total Cresols	100				0		50.2	
S 191 Methyl Phenols,Total	100				0		50.2	

QC Flag Legend

Review Flags
M - Manually Integrated

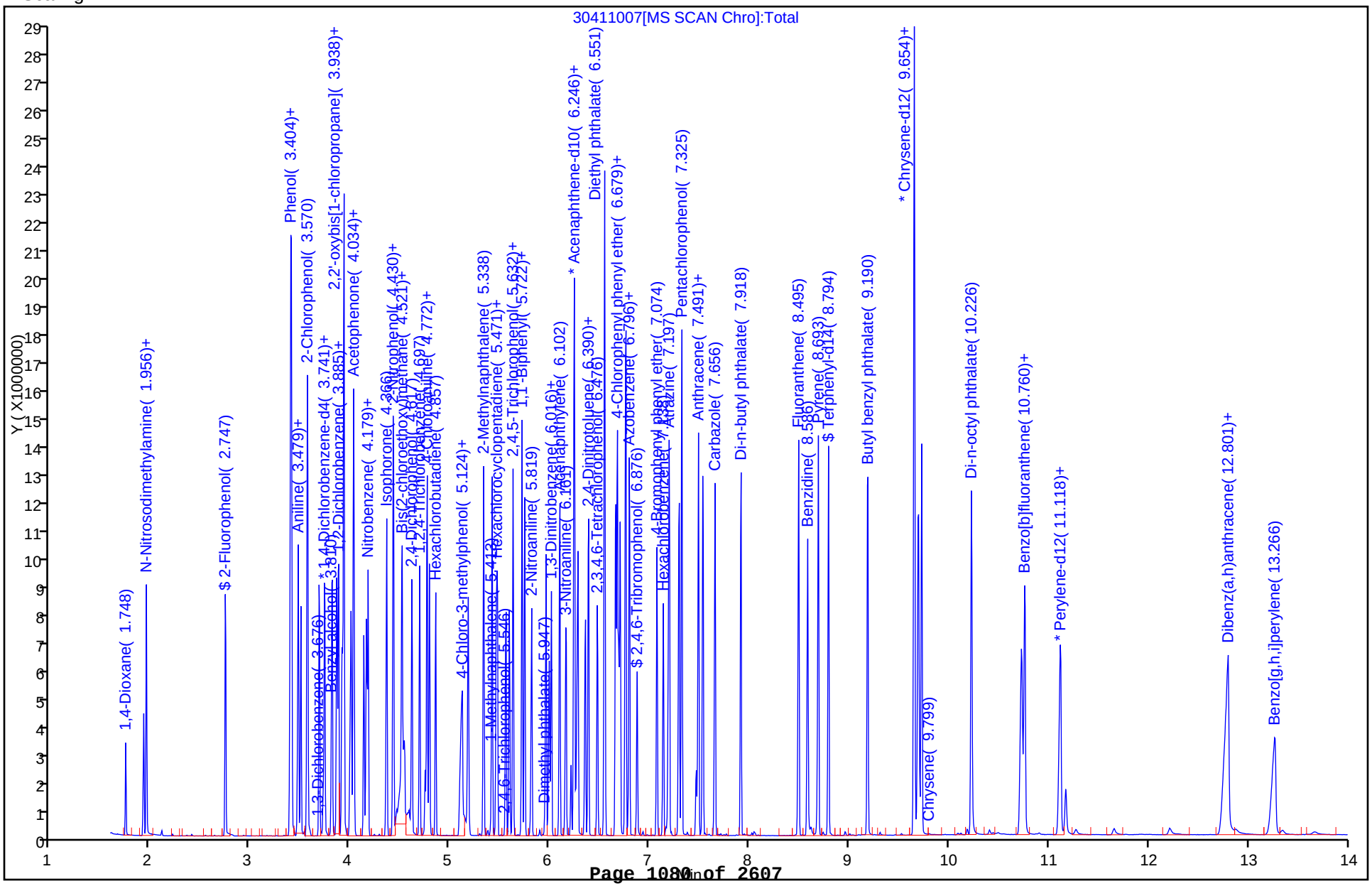
Report Date: 11-Apr-2013 12:46:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411007.D

Injection Date:	11-Apr-2013 10:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

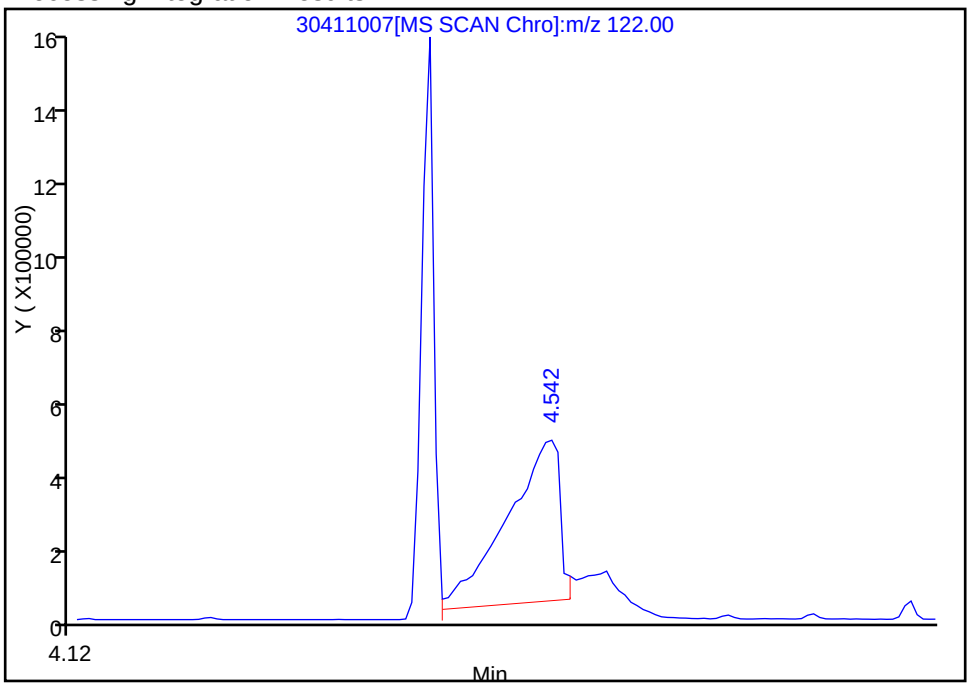
TestAmerica Canton

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Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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: 4.48

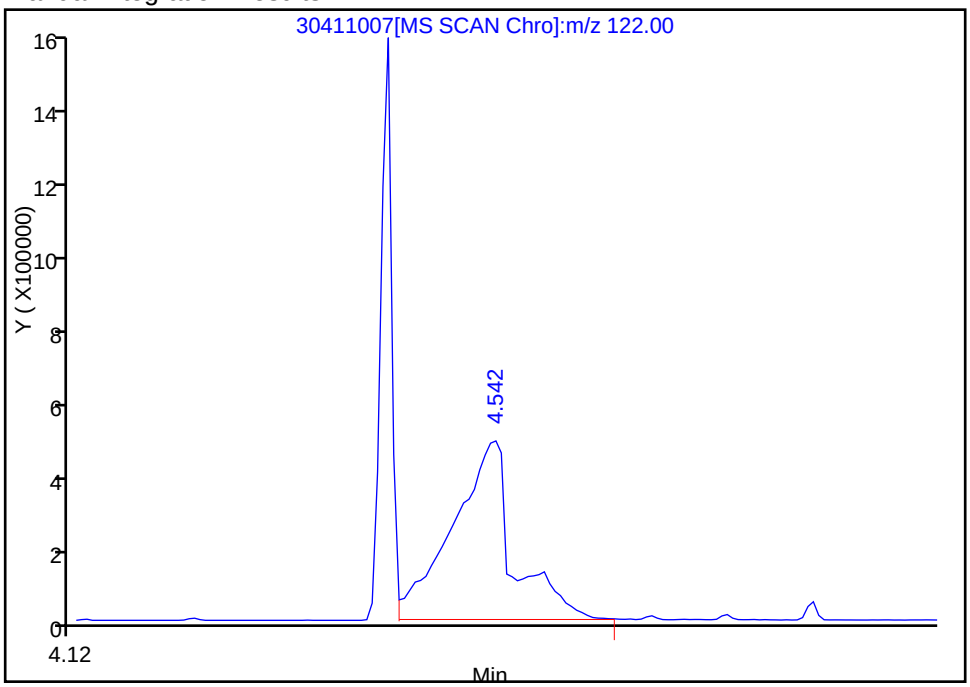
Processing Integration Results

RT: 4.54
Response: 1407755
Amount: 50.450578



Manual Integration Results

RT: 4.54
Response: 2028228
Amount: 55.012725



Reviewer: ulmanm, 11-Apr-2013 12:01:51
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

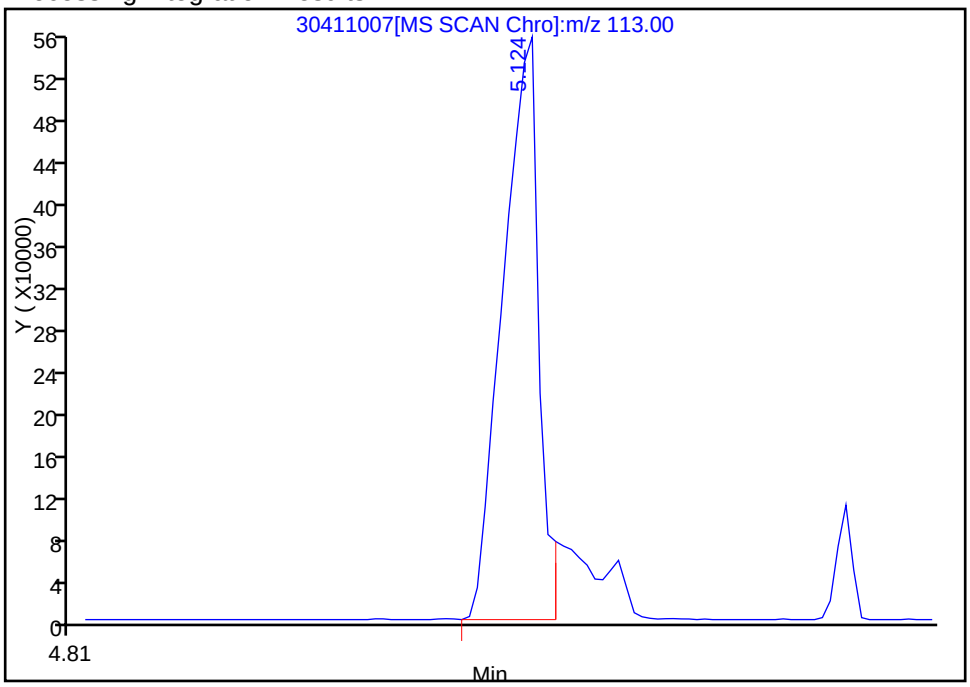
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411007.D		
Injection Date:	11-Apr-2013 10:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

84 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 5.07

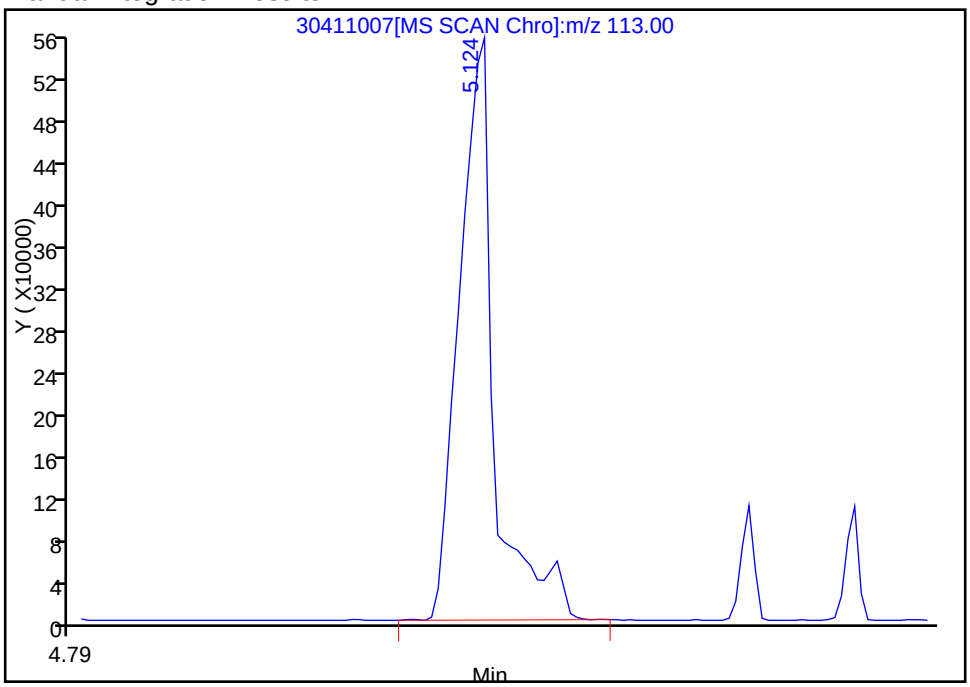
Processing Integration Results

RT: 5.12
Response: 949495
Amount: 46.590075



Manual Integration Results

RT: 5.12
Response: 1099270
Amount: 52.136397



Reviewer: ulmanm, 11-Apr-2013 12:01:51
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

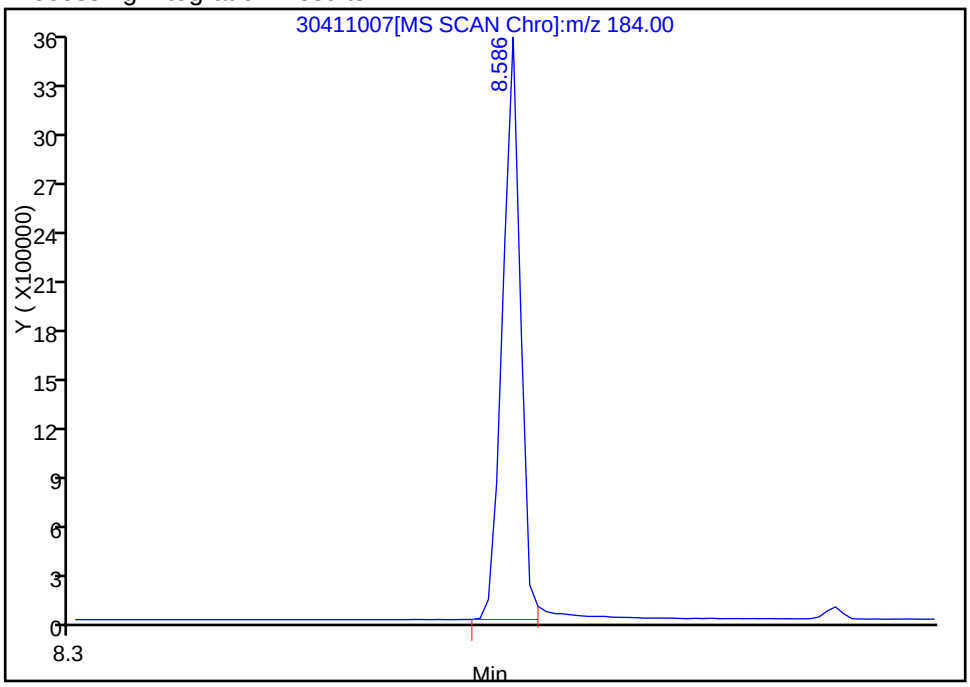
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411007.D		
Injection Date:	11-Apr-2013 10:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	7
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: 8.58

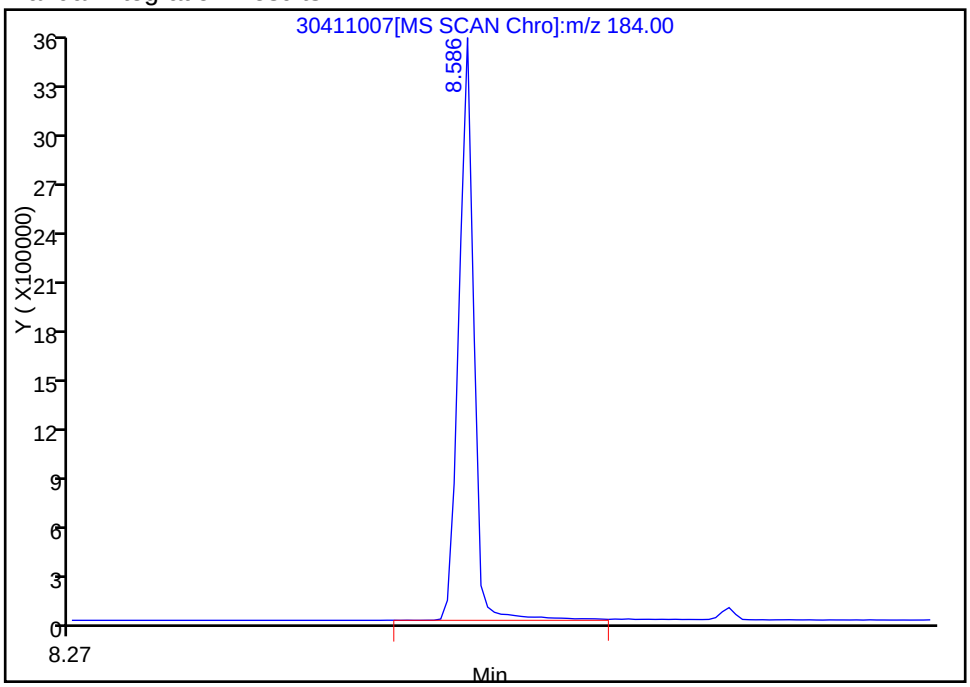
Processing Integration Results

RT: 8.59
Response: 2839392
Amount: 39.848462



Manual Integration Results

RT: 8.59
Response: 2949658
Amount: 41.108432



Reviewer: ulmanm, 11-Apr-2013 12:01:51
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411008.D		
Lims ID:	std8 lst1	Client ID:	
Inject. Date:	11-Apr-2013 10:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0018755-008		
Misc. Info.:	STD8 LST1 =STD8 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	81433	Lims Sample ID:	8
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:55	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 12:04:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.727	3.728	-0.001	91	154345	4.00	
* 2 Naphthalene-d8	136	4.748	4.748	0.0	98	687049	4.00	
* 3 Acenaphthene-d10	164	6.211	6.212	-0.001	85	396659	4.00	
* 4 Phenanthrene-d10	188	7.467	7.467	0.0	96	664638	4.00	
* 5 Chrysene-d12	240	9.705	9.700	0.005	80	689443	4.00	
* 6 Perylene-d12	264	11.174	11.169	0.005	97	538385	4.00	
$ 7 2-Fluorophenol	112	2.750	2.745	0.005	94	1342323	20.0	
$ 8 Phenol-d5	99	3.401	3.391	0.010	90	1803736	19.2	
$ 9 Nitrobenzene-d5	82	4.160	4.155	0.005	82	2134723	20.0	
$ 10 2-Fluorobiphenyl (Surr)	172	5.634	5.630	0.004	99	2285682	20.5	
$ 11 2,4,6-Tribromophenol	330	6.874	6.869	0.005	79	274312	21.6	
$ 12 Terphenyl-d14	244	8.797	8.792	0.005	99	2663209	20.6	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.751	1.751	0.0	93	650578	20.4	
26 N-Nitrosodimethylamine	74	1.932	1.922	0.010	83	1235489	21.0	
27 Pyridine	79	1.959	1.960	-0.001	92	1986292	21.0	
41 Benzaldehyde	77	3.407	3.397	0.010	86	2797436	36.2	
43 Phenol	94	3.412	3.402	0.010	95	1903674	20.0	
44 Aniline	93	3.476	3.471	0.005	96	2712695	21.1	
69 Bis(2-chloroethyl)ether	93	3.503	3.498	0.005	96	1713737	20.2	
46 2-Chlorophenol	128	3.567	3.562	0.005	87	1035332	19.6	
47 1,3-Dichlorobenzene	146	3.690	3.685	0.005	86	1095732	20.3	
48 1,4-Dichlorobenzene	146	3.743	3.739	0.005	83	1110808	20.2	
49 Benzyl alcohol	108	3.818	3.808	0.010	83	951322	20.6	
50 1,2-Dichlorobenzene	146	3.866	3.861	0.005	85	1061196	20.5	
51 2-Methylphenol	108	3.882	3.877	0.005	88	1283127	20.5	
53 2,2'-oxybis[1-chloropropane]	45	3.920	3.915	0.005	94	1782906	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.936	3.931	0.005	68	4479359	40.4	
21 3 & 4 Methylphenol	108	4.005	3.995	0.010	94	1395909	20.9	
57 N-Nitrosodi-n-propylamine	70	4.032	4.016	0.016	73	1440031	20.2	
58 Acetophenone	105	4.037	4.027	0.010	85	2061824	20.5	
61 Hexachloroethane	117	4.133	4.134	-0.001	92	563709	20.6	
62 Nitrobenzene	77	4.176	4.171	0.005	78	2132735	20.9	
64 Isophorone	82	4.363	4.358	0.005	95	3611989	20.9	
65 2,4-Dimethylphenol	107	4.432	4.428	0.004	92	1366044	19.6	
66 2-Nitrophenol	139	4.427	4.428	-0.001	77	565202	19.5	
71 Benzoic acid	122	4.534	4.481	0.053	83	1735506	44.8	M
70 Bis(2-chloroethoxy)methane	93	4.518	4.513	0.005	97	1974399	20.4	
73 2,4-Dichlorophenol	162	4.619	4.615	0.004	92	864977	20.5	
74 1,2,4-Trichlorobenzene	180	4.694	4.695	-0.001	82	932740	20.4	
75 Naphthalene	128	4.769	4.764	0.005	98	3343708	20.1	
76 4-Chloroaniline	127	4.796	4.791	0.005	70	1415719	20.1	
79 Hexachlorobutadiene	225	4.854	4.855	-0.001	89	541950	20.8	
84 Caprolactam	113	5.116	5.069	0.047	80	949265	42.9	M
86 4-Chloro-3-methylphenol	107	5.180	5.170	0.010	82	1320857	20.9	
87 2-Methylnaphthalene	142	5.335	5.336	-0.001	83	2112344	20.2	
88 1-Methylnaphthalene	142	5.421	5.416	0.005	80	1949808	20.2	
89 Hexachlorocyclopentadiene	237	5.463	5.464	-0.001	87	646126	21.7	
91 1,2,4,5-Tetrachlorobenzene	216	5.474	5.469	0.005	90	849303	20.0	
92 2,4,6-Trichlorophenol	196	5.560	5.555	0.005	84	602952	20.4	
93 2,4,5-Trichlorophenol	196	5.592	5.587	0.005	84	649618	21.2	
98 1,1'-Biphenyl	154	5.720	5.715	0.005	96	2655846	20.2	
100 2-Chloronaphthalene	162	5.747	5.742	0.005	98	1934205	19.8	
102 2-Nitroaniline	65	5.816	5.811	0.005	69	1136970	21.4	
105 Dimethyl phthalate	163	5.960	5.950	0.010	92	2344104	21.0	
106 1,3-Dinitrobenzene	168	5.992	5.982	0.010	78	419228	21.9	
107 2,6-Dinitrotoluene	165	6.014	6.009	0.005	68	538842	21.0	
109 Acenaphthylene	152	6.099	6.094	0.005	92	3154389	20.0	
110 3-Nitroaniline	138	6.163	6.153	0.010	86	654625	21.3	
111 2,4-Dinitrophenol	184	6.249	6.239	0.010	75	708537	43.9	
112 Acenaphthene	153	6.243	6.239	0.004	92	1838860	19.3	
113 4-Nitrophenol	109	6.281	6.265	0.016	85	1111661	43.8	
114 2,4-Dinitrotoluene	165	6.356	6.345	0.011	72	741448	21.8	
116 Dibenzofuran	168	6.388	6.383	0.005	82	2803961	20.3	
119 2,3,4,6-Tetrachlorophenol	232	6.478	6.474	0.004	76	552086	21.0	
121 Diethyl phthalate	149	6.548	6.543	0.005	93	2202154	20.3	
123 4-Chlorophenyl phenyl ether	204	6.660	6.655	0.005	94	1083037	20.3	
125 4-Nitroaniline	138	6.687	6.666	0.021	76	651549	21.3	
126 Fluorene	166	6.676	6.671	0.005	78	2237671	20.0	
128 4,6-Dinitro-2-methylphenol	198	6.703	6.693	0.010	65	924757	42.9	
131 N-Nitrosodiphenylamine	169	6.762	6.751	0.011	99	3276996	42.5	
132 1,2-Diphenylhydrazine	77	6.799	6.794	0.005	99	4553504	21.2	
133 Azobenzene	77	6.799	6.794	0.005	94	4553575	21.2	
139 4-Bromophenyl phenyl ether	248	7.077	7.072	0.005	72	573859	21.1	
141 Hexachlorobenzene	284	7.135	7.136	-0.001	82	548852	20.9	
142 Atrazine	200	7.194	7.184	0.010	79	1251009	39.8	
143 Pentachlorophenol	266	7.296	7.291	0.005	80	792991	46.9	
148 Phenanthrene	178	7.488	7.489	-0.001	98	3392033	20.5	
149 Anthracene	178	7.536	7.531	0.005	88	3472732	20.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.654	7.649	0.005	83	3202777	21.2	
154 Di-n-butyl phthalate	149	7.915	7.916	-0.001	99	4074798	21.5	
159 Fluoranthene	202	8.492	8.493	-0.001	99	3718134	21.0	
160 Benzidine	184	8.583	8.578	0.005	98	2453984	31.9	M
161 Pyrene	202	8.690	8.685	0.005	96	3810650	20.7	
168 Butyl benzyl phthalate	149	9.187	9.182	0.005	88	1788932	21.1	
175 3,3'-Dichlorobenzidine	252	9.657	9.647	0.010	70	2512169	43.3	
173 Bis(2-ethylhexyl) phthalate	149	9.652	9.652	0.0	96	2471094	21.3	
177 Benzo[a]anthracene	228	9.694	9.690	0.004	89	3614932	20.7	
178 Chrysene	228	9.726	9.722	0.004	95	3310612	20.1	
180 Di-n-octyl phthalate	149	10.223	10.224	-0.001	99	4420452	22.7	
182 Benzo[b]fluoranthene	252	10.725	10.715	0.010	85	3433472	22.8	
183 Benzo[k]fluoranthene	252	10.757	10.747	0.010	86	3325252	21.2	
184 Benzo[a]pyrene	252	11.115	11.105	0.010	76	3161326	22.4	
188 Indeno[1,2,3-cd]pyrene	276	12.766	12.745	0.021	91	3391089	22.6	
189 Dibenz(a,h)anthracene	278	12.793	12.767	0.026	66	2872039	22.9	
190 Benzo[g,h,i]perylene	276	13.258	13.226	0.032	92	2816204	22.3	
S 245 Total Cresols	100				0		41.4	
S 191 Methyl Phenols,Total	100				0		41.4	

QC Flag Legend

Review Flags
M - Manually Integrated

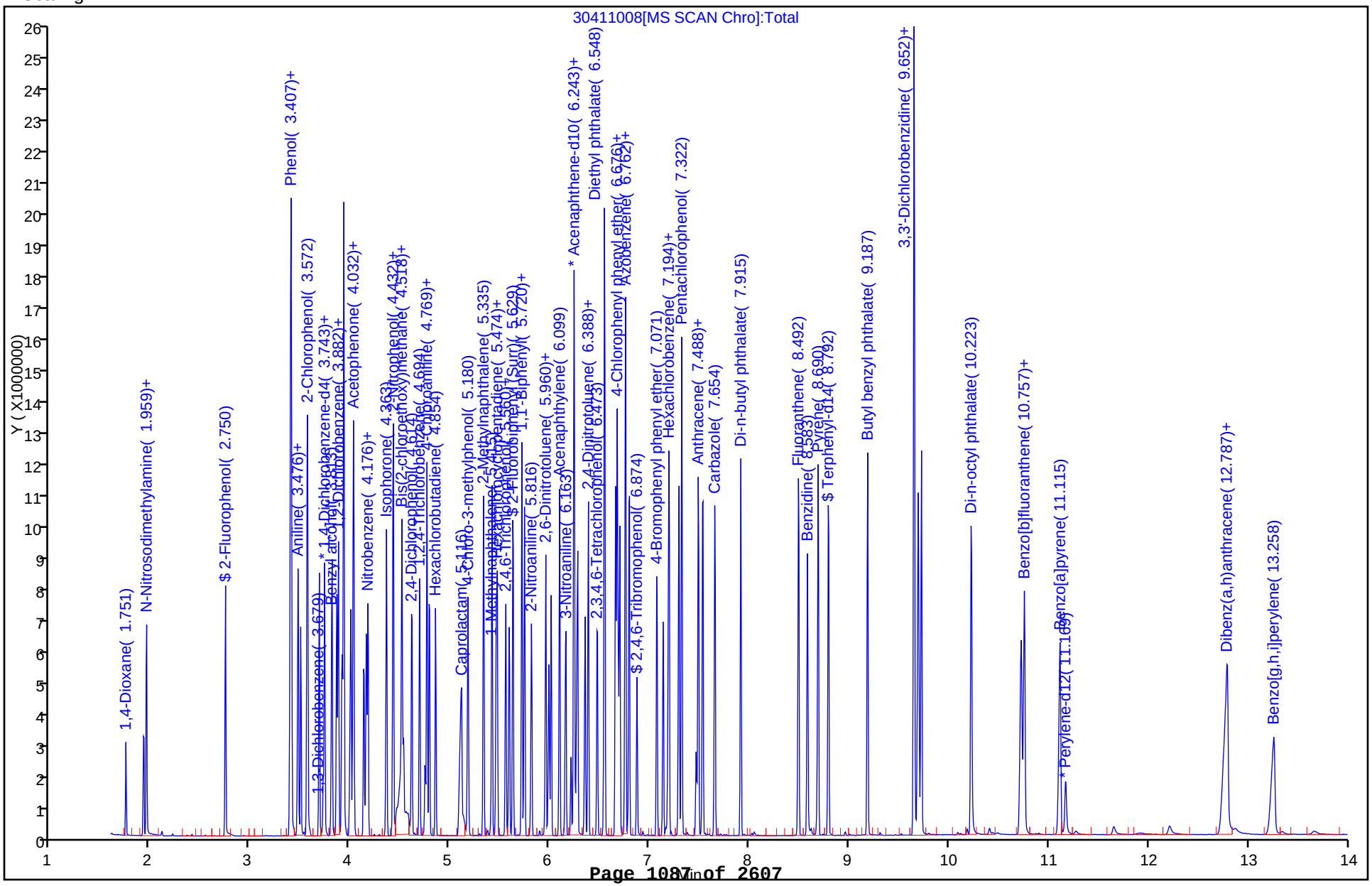
Report Date: 11-Apr-2013 12:46:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411008.D

Injection Date:	11-Apr-2013 10:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

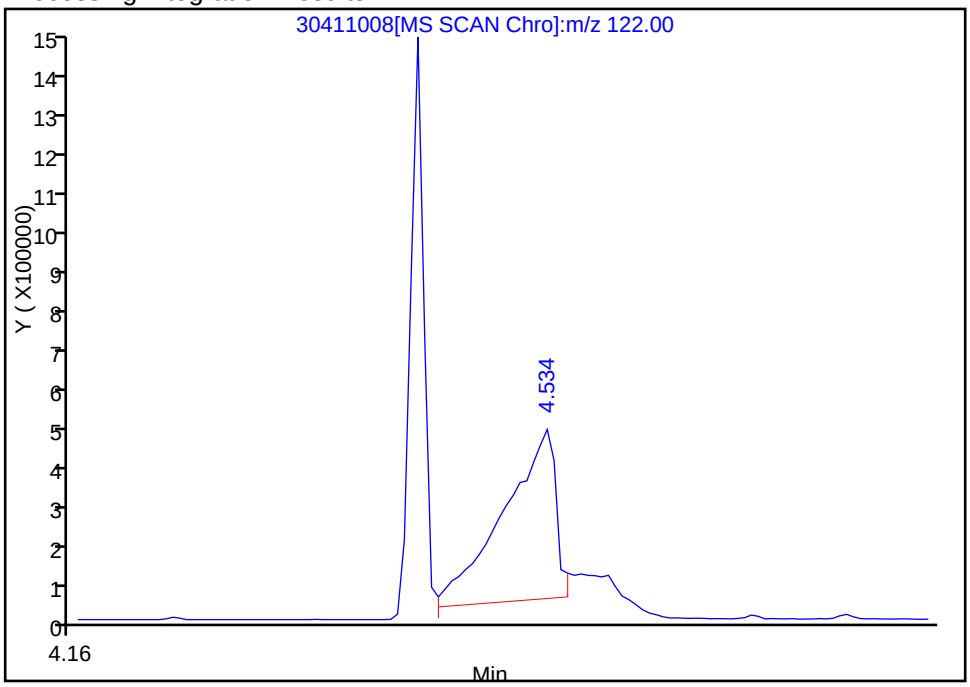
TestAmerica Canton

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Injection Date:	11-Apr-2013 10:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	8
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: 4.48

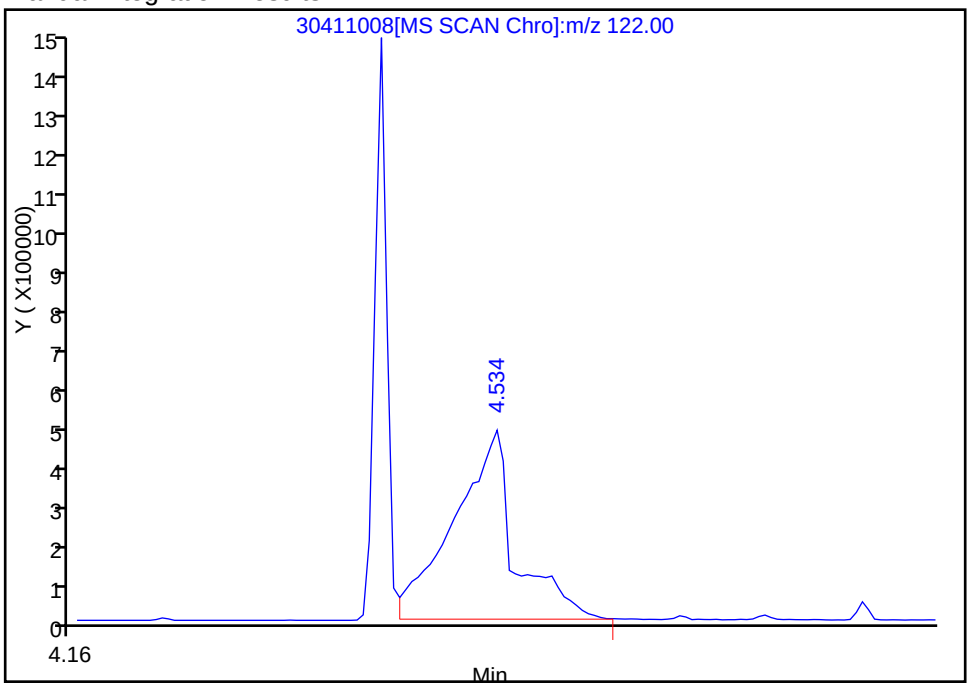
Processing Integration Results

RT: 4.53
Response: 1187833
Amount: 34.587031



Manual Integration Results

RT: 4.53
Response: 1735506
Amount: 44.820710



Reviewer: ulmanm, 11-Apr-2013 12:04:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

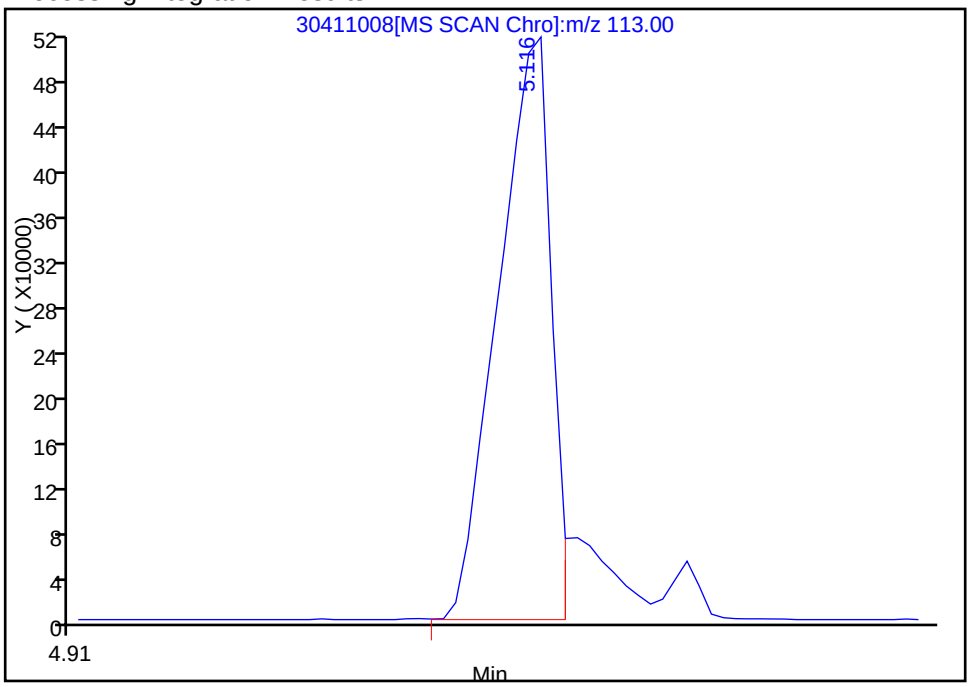
TestAmerica Canton

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Injection Date:	11-Apr-2013 10:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

84 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 5.07

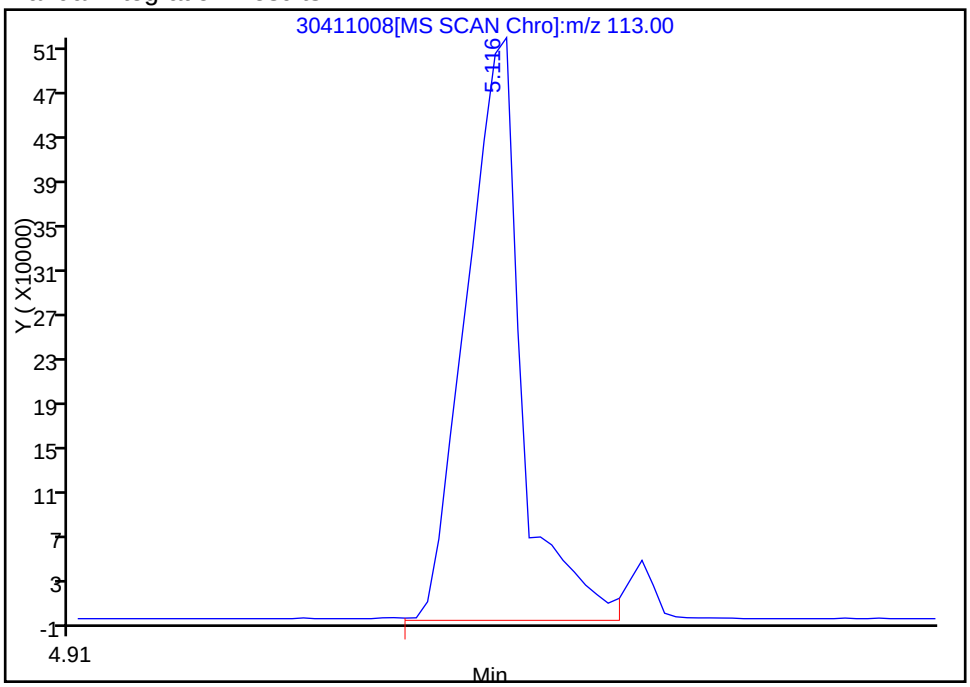
Processing Integration Results

RT: 5.12
Response: 838259
Amount: 38.457257



Manual Integration Results

RT: 5.12
Response: 949265
Amount: 42.867715



Reviewer: ulmanm, 11-Apr-2013 12:04:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 11-Apr-2013 12:46:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

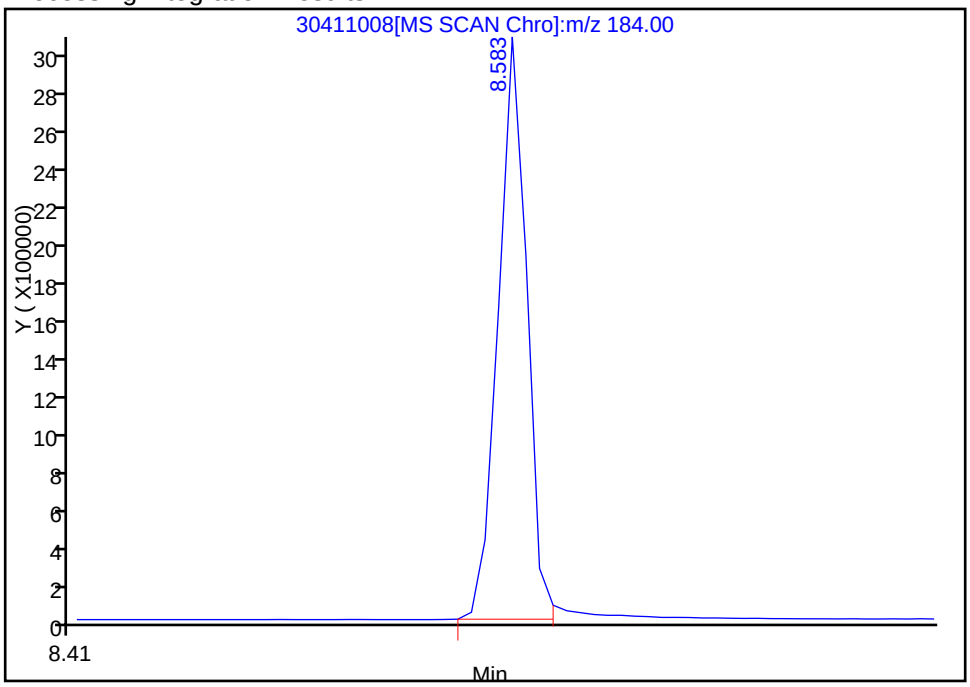
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411008.D		
Injection Date:	11-Apr-2013 10:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	8
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: 8.58

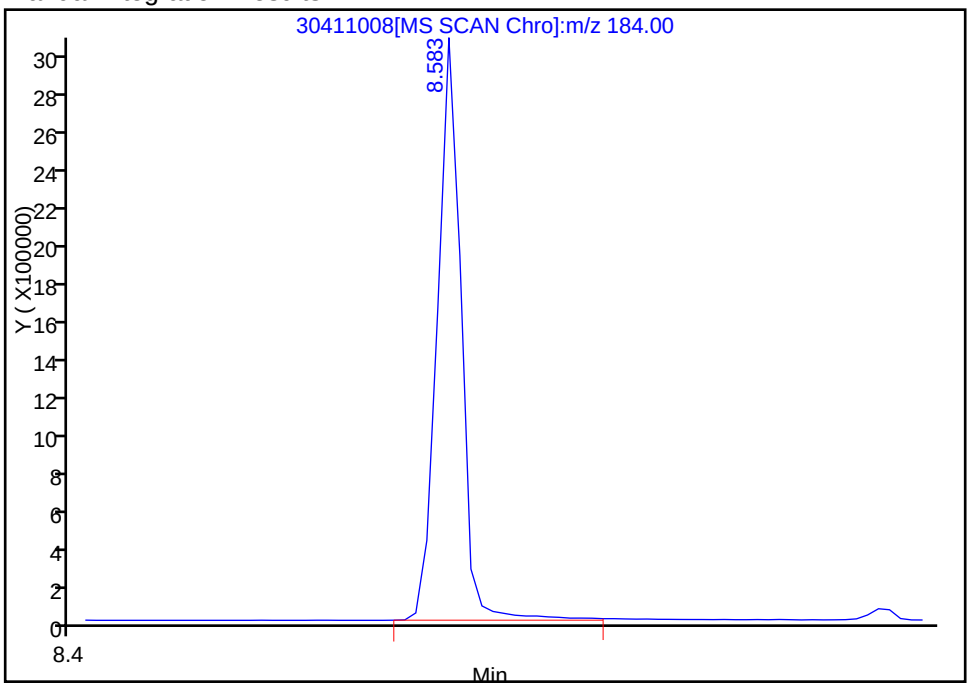
Processing Integration Results

RT: 8.58
Response: 2377650
Amount: 31.032496



Manual Integration Results

RT: 8.58
Response: 2453984
Amount: 31.929379



Reviewer: ulmanm, 11-Apr-2013 12:04:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 11-Apr-2013 12:46:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411009.D		
Lims ID:	std7 lst1	Client ID:	
Inject. Date:	11-Apr-2013 11:14:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0018755-009		
Misc. Info.:	STD7 LST1 =STD7 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	81433	Lims Sample ID:	9
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:57	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 12:05:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.731	3.728	0.003	93	175682	4.00	
* 2 Naphthalene-d8	136	4.751	4.748	0.003	99	788164	4.00	
* 3 Acenaphthene-d10	164	6.209	6.212	-0.003	87	454153	4.00	
* 4 Phenanthrene-d10	188	7.465	7.467	-0.002	97	773590	4.00	
* 5 Chrysene-d12	240	9.703	9.700	0.003	79	783684	4.00	
* 6 Perylene-d12	264	11.172	11.169	0.003	96	623834	4.00	
$ 7 2-Fluorophenol	112	2.748	2.745	0.003	95	1062198	13.9	
$ 8 Phenol-d5	99	3.399	3.391	0.008	90	1481451	13.9	
$ 9 Nitrobenzene-d5	82	4.158	4.155	0.003	83	1746816	14.3	
$ 10 2-Fluorobiphenyl (Surr)	172	5.632	5.630	0.002	99	1862643	14.6	
$ 11 2,4,6-Tribromophenol	330	6.877	6.869	0.008	91	219041	15.0	
$ 12 Terphenyl-d14	244	8.795	8.792	0.003	98	2101837	14.3	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.749	1.751	-0.002	93	493055	13.6	
26 N-Nitrosodimethylamine	74	1.930	1.922	0.008	83	972193	14.5	
27 Pyridine	79	1.957	1.960	-0.003	92	1562021	14.5	
41 Benzaldehyde	77	3.405	3.397	0.008	85	2344128	26.7	
43 Phenol	94	3.410	3.402	0.008	95	1558476	14.4	
44 Aniline	93	3.474	3.471	0.003	96	2180099	14.9	
69 Bis(2-chloroethyl)ether	93	3.501	3.498	0.003	96	1408237	14.6	
46 2-Chlorophenol	128	3.565	3.562	0.003	87	856970	14.3	
47 1,3-Dichlorobenzene	146	3.688	3.685	0.003	86	883985	14.4	
48 1,4-Dichlorobenzene	146	3.741	3.739	0.003	81	890024	14.2	
49 Benzyl alcohol	108	3.816	3.808	0.008	83	779843	14.8	
50 1,2-Dichlorobenzene	146	3.864	3.861	0.003	85	860908	14.6	
51 2-Methylphenol	108	3.880	3.877	0.003	92	1051297	14.7	
53 2,2'-oxybis[1-chloropropane]	45	3.918	3.915	0.003	94	1474661	15.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.934	3.931	0.003	68	3638806	28.8	
21 3 & 4 Methylphenol	108	4.003	3.995	0.008	91	1138639	15.0	
57 N-Nitrosodi-n-propylamine	70	4.024	4.016	0.008	71	1216090	15.0	
58 Acetophenone	105	4.035	4.027	0.008	89	1698778	14.9	
61 Hexachloroethane	117	4.137	4.134	0.003	93	455904	14.6	
62 Nitrobenzene	77	4.174	4.171	0.003	74	1724331	14.7	
64 Isophorone	82	4.361	4.358	0.003	95	2967510	15.0	
65 2,4-Dimethylphenol	107	4.430	4.428	0.002	91	1122983	14.1	
66 2-Nitrophenol	139	4.430	4.428	0.002	76	470218	14.2	
71 Benzoic acid	122	4.521	4.481	0.040	49	1349658	30.4	M
70 Bis(2-chloroethoxy)methane	93	4.516	4.513	0.003	98	1605712	14.4	
73 2,4-Dichlorophenol	162	4.617	4.615	0.002	93	719089	14.8	
74 1,2,4-Trichlorobenzene	180	4.698	4.695	0.003	87	757764	14.4	
75 Naphthalene	128	4.767	4.764	0.003	98	2726998	14.3	
76 4-Chloroaniline	127	4.794	4.791	0.003	78	1174028	14.6	
79 Hexachlorobutadiene	225	4.858	4.855	0.003	91	435034	14.6	
84 Caprolactam	113	5.109	5.069	0.040	82	744295	29.3	
86 4-Chloro-3-methylphenol	107	5.178	5.170	0.008	82	1069264	14.7	
87 2-Methylnaphthalene	142	5.339	5.336	0.003	79	1710189	14.3	
88 1-Methylnaphthalene	142	5.419	5.416	0.003	79	1597477	14.4	
89 Hexachlorocyclopentadiene	237	5.461	5.464	-0.003	97	521235	15.3	
91 1,2,4,5-Tetrachlorobenzene	216	5.472	5.469	0.003	91	689507	14.2	
92 2,4,6-Trichlorophenol	196	5.558	5.555	0.003	85	491320	14.5	
93 2,4,5-Trichlorophenol	196	5.595	5.587	0.008	87	514812	14.6	
98 1,1'-Biphenyl	154	5.718	5.715	0.003	96	2153507	14.3	
100 2-Chloronaphthalene	162	5.745	5.742	0.003	98	1581023	14.2	
102 2-Nitroaniline	65	5.814	5.811	0.003	70	921255	15.2	
105 Dimethyl phthalate	163	5.958	5.950	0.008	92	1881056	14.7	
106 1,3-Dinitrobenzene	168	5.990	5.982	0.008	79	346395	15.8	
107 2,6-Dinitrotoluene	165	6.012	6.009	0.003	70	441329	15.0	
109 Acenaphthylene	152	6.097	6.094	0.003	87	2557557	14.2	
110 3-Nitroaniline	138	6.161	6.153	0.008	87	523056	14.9	
111 2,4-Dinitrophenol	184	6.247	6.239	0.008	71	551246	29.9	
112 Acenaphthene	153	6.241	6.239	0.002	92	1492463	13.7	
113 4-Nitrophenol	109	6.273	6.265	0.008	86	859109	29.6	
114 2,4-Dinitrotoluene	165	6.354	6.345	0.009	78	593180	15.3	
116 Dibenzofuran	168	6.386	6.383	0.003	83	2263170	14.3	
119 2,3,4,6-Tetrachlorophenol	232	6.476	6.474	0.002	75	443343	14.7	
121 Diethyl phthalate	149	6.546	6.543	0.003	94	1771448	14.3	
123 4-Chlorophenyl phenyl ether	204	6.658	6.655	0.003	93	882750	14.4	
125 4-Nitroaniline	138	6.679	6.666	0.013	77	522707	15.0	
126 Fluorene	166	6.674	6.671	0.003	81	1801331	14.1	
128 4,6-Dinitro-2-methylphenol	198	6.701	6.693	0.008	71	739897	29.5	
131 N-Nitrosodiphenylamine	169	6.760	6.751	0.009	99	2638280	29.4	
132 1,2-Diphenylhydrazine	77	6.797	6.794	0.003	100	3662387	14.6	
133 Azobenzene	77	6.797	6.794	0.003	94	3661319	14.6	
139 4-Bromophenyl phenyl ether	248	7.075	7.072	0.003	72	461670	14.6	
141 Hexachlorobenzene	284	7.139	7.136	0.003	89	443043	14.5	
142 Atrazine	200	7.192	7.184	0.008	81	1025226	28.0	
143 Pentachlorophenol	266	7.294	7.291	0.003	76	633359	32.2	
148 Phenanthrene	178	7.486	7.489	-0.003	98	2722692	14.2	
149 Anthracene	178	7.534	7.531	0.003	99	2756406	14.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.652	7.649	0.003	83	2567184	14.6	
154 Di-n-butyl phthalate	149	7.913	7.916	-0.003	99	3237016	14.7	
159 Fluoranthene	202	8.490	8.493	-0.003	99	2985604	14.5	
160 Benzidine	184	8.581	8.578	0.003	98	2000112	22.9	
161 Pyrene	202	8.688	8.685	0.003	95	3025359	14.5	
168 Butyl benzyl phthalate	149	9.185	9.182	0.003	87	1412260	14.6	
175 3,3'-Dichlorobenzidine	252	9.650	9.647	0.003	67	1886518	28.6	
173 Bis(2-ethylhexyl) phthalate	149	9.650	9.652	-0.002	96	1922004	14.6	
177 Benzo[a]anthracene	228	9.692	9.690	0.002	90	2836885	14.3	
178 Chrysene	228	9.724	9.722	0.002	93	2647480	14.2	
180 Di-n-octyl phthalate	149	10.221	10.224	-0.003	99	3440935	15.2	
182 Benzo[b]fluoranthene	252	10.723	10.715	0.008	87	2704172	15.5	
183 Benzo[k]fluoranthene	252	10.755	10.747	0.008	86	2657033	14.6	
184 Benzo[a]pyrene	252	11.113	11.105	0.008	76	2488747	15.2	
188 Indeno[1,2,3-cd]pyrene	276	12.764	12.745	0.019	90	2660153	15.3	
189 Dibenz(a,h)anthracene	278	12.786	12.767	0.019	73	2233484	15.4	
190 Benzo[g,h,i]perylene	276	13.250	13.226	0.024	88	2230191	15.3	
S 245 Total Cresols	100				0		29.7	
S 191 Methyl Phenols,Total	100				0		29.7	

QC Flag Legend

Review Flags
M - Manually Integrated

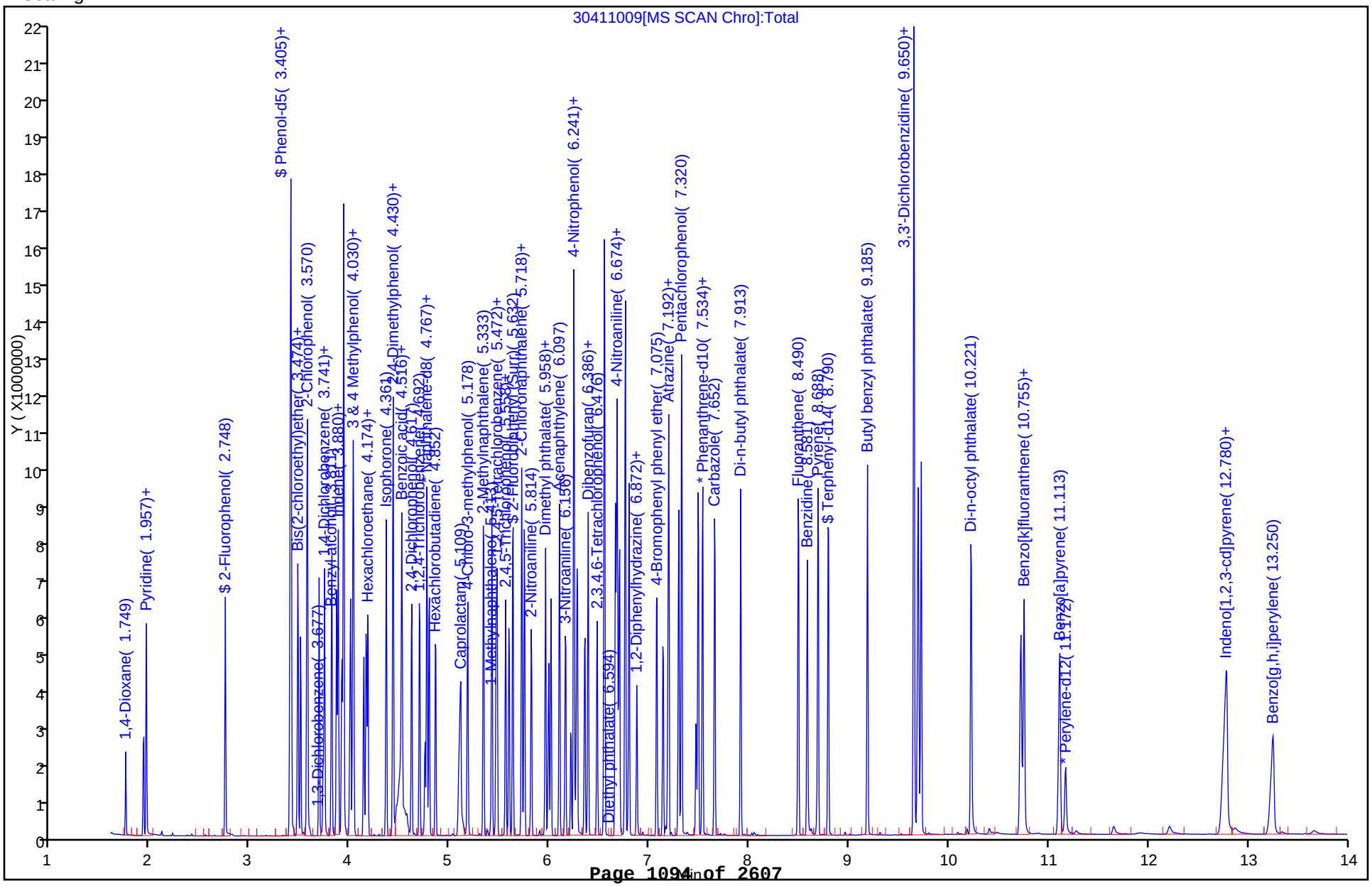
Report Date: 11-Apr-2013 12:46:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411009.D

Injection Date:	11-Apr-2013 11:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 11-Apr-2013 12:46:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Manual Integration/User Assign Peak Report

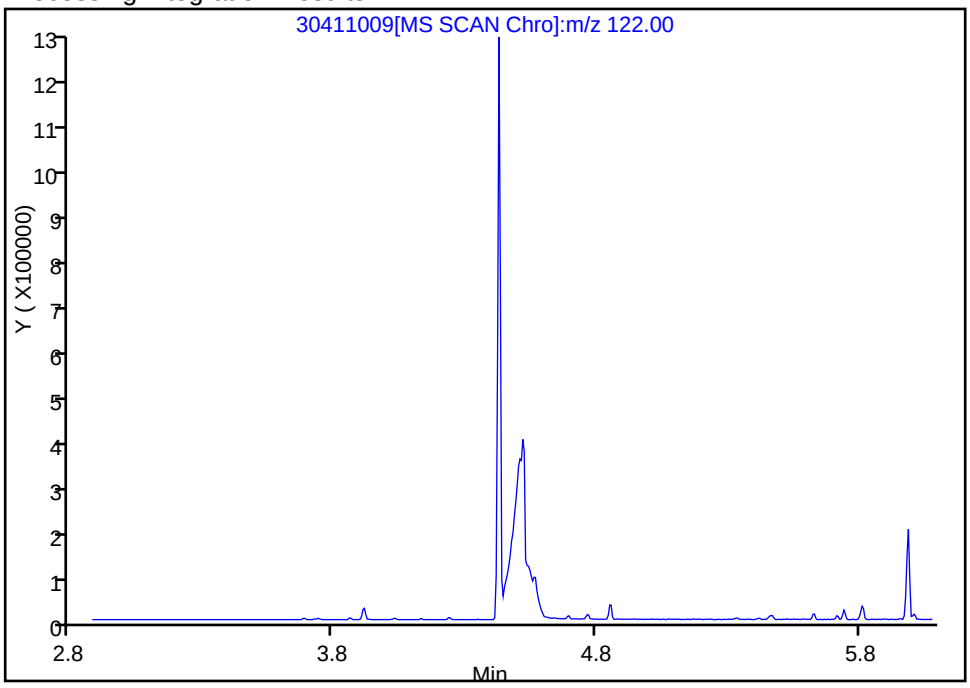
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411009.D		
Injection Date:	11-Apr-2013 11:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	9
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: 4.48

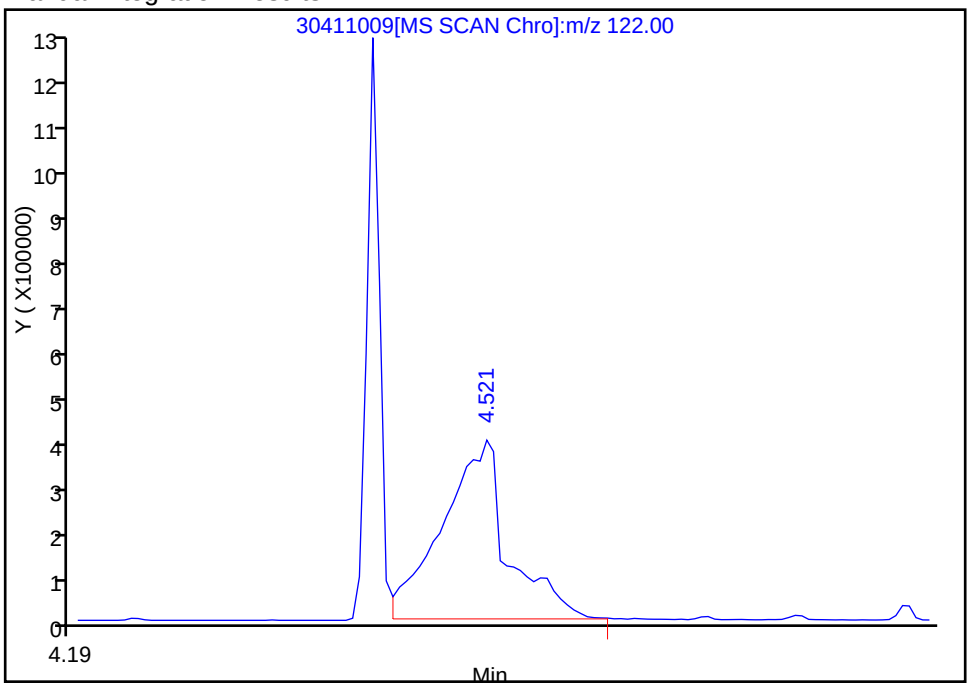
Processing Integration Results

Not Detected
Expected RT: 4.48



Manual Integration Results

RT: 4.52
Response: 1349658
Amount: 30.384176



Reviewer: ulmanm, 11-Apr-2013 12:05:26
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Lims ID:	std6 lst1	Client ID:	
Inject. Date:	11-Apr-2013 11:34:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0018755-010		
Misc. Info.:	STD6 LST1 =STD6 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	81433	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:58	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 12:06:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.725	3.725	0.0	93	149141	4.00	
* 2 Naphthalene-d8	136	4.746	4.746	0.0	98	665425	4.00	
* 3 Acenaphthene-d10	164	6.209	6.209	0.0	87	380694	4.00	
* 4 Phenanthrene-d10	188	7.465	7.465	0.0	95	638311	4.00	
* 5 Chrysene-d12	240	9.698	9.698	0.0	79	643729	4.00	
* 6 Perylene-d12	264	11.167	11.167	0.0	92	519864	4.00	
$ 7 2-Fluorophenol	112	2.748	2.748	0.0	95	630290	9.70	
$ 8 Phenol-d5	99	3.394	3.394	0.0	95	874992	9.64	
$ 9 Nitrobenzene-d5	82	4.158	4.158	0.0	82	954640	9.25	
$ 10 2-Fluorobiphenyl (Surr)	172	5.627	5.627	0.0	98	1034683	9.65	
$ 11 2,4,6-Tribromophenol	330	6.872	6.872	0.0	85	119236	9.76	
$ 12 Terphenyl-d14	244	8.790	8.790	0.0	97	1166712	9.66	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.754	1.754	0.0	92	319712	10.4	
26 N-Nitrosodimethylamine	74	1.925	1.925	0.0	88	562820	9.92	
27 Pyridine	79	1.957	1.957	0.0	93	931378	10.2	
41 Benzaldehyde	77	3.399	3.399	0.0	86	1432925	19.2	
43 Phenol	94	3.405	3.405	0.0	95	895772	9.75	
44 Aniline	93	3.474	3.474	0.0	96	1214111	9.78	
69 Bis(2-chloroethyl)ether	93	3.501	3.501	0.0	95	820678	10.0	
46 2-Chlorophenol	128	3.565	3.565	0.0	89	508762	10.0	
47 1,3-Dichlorobenzene	146	3.688	3.688	0.0	87	511295	9.80	
48 1,4-Dichlorobenzene	146	3.741	3.741	0.0	82	522297	9.83	
49 Benzyl alcohol	108	3.811	3.811	0.0	83	440032	9.87	
50 1,2-Dichlorobenzene	146	3.864	3.864	0.0	85	490873	9.83	
51 2-Methylphenol	108	3.875	3.875	0.0	90	603814	9.96	
53 2,2'-oxybis[1-chloropropane]	45	3.912	3.912	0.0	94	851198	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.934	3.934	0.0	69	2095193	19.6	
21 3 & 4 Methylphenol	108	3.998	3.998	0.0	91	636462	9.88	
57 N-Nitrosodi-n-propylamine	70	4.019	4.019	0.0	70	679403	9.87	
58 Acetophenone	105	4.030	4.030	0.0	89	968485	9.98	
61 Hexachloroethane	117	4.137	4.137	0.0	94	262915	9.92	
62 Nitrobenzene	77	4.174	4.174	0.0	79	965437	9.75	
64 Isophorone	82	4.356	4.356	0.0	96	1631775	9.75	
65 2,4-Dimethylphenol	107	4.430	4.430	0.0	94	658727	9.77	
66 2-Nitrophenol	139	4.425	4.425	0.0	81	269835	9.62	
71 Benzoic acid	122	4.500	4.500	0.0	83	726245	19.4	M
70 Bis(2-chloroethoxy)methane	93	4.516	4.516	0.0	93	931343	9.93	
73 2,4-Dichlorophenol	162	4.612	4.612	0.0	91	396757	9.69	
74 1,2,4-Trichlorobenzene	180	4.692	4.692	0.0	85	426548	9.62	
75 Naphthalene	128	4.767	4.767	0.0	98	1515736	9.41	
76 4-Chloroaniline	127	4.788	4.788	0.0	70	652639	9.59	
79 Hexachlorobutadiene	225	4.852	4.852	0.0	91	241496	9.59	
84 Caprolactam	113	5.088	5.088	0.0	76	417585	19.5	
86 4-Chloro-3-methylphenol	107	5.173	5.173	0.0	83	591301	9.65	
87 2-Methylnaphthalene	142	5.333	5.333	0.0	85	965295	9.53	
88 1-Methylnaphthalene	142	5.419	5.419	0.0	80	900344	9.61	
89 Hexachlorocyclopentadiene	237	5.462	5.462	0.0	95	281804	9.86	
91 1,2,4,5-Tetrachlorobenzene	216	5.472	5.472	0.0	94	390369	9.59	
92 2,4,6-Trichlorophenol	196	5.558	5.558	0.0	91	281547	9.91	
93 2,4,5-Trichlorophenol	196	5.590	5.590	0.0	87	295222	10.0	
98 1,1'-Biphenyl	154	5.718	5.718	0.0	96	1204264	9.53	
100 2-Chloronaphthalene	162	5.745	5.745	0.0	97	888130	9.49	
102 2-Nitroaniline	65	5.814	5.814	0.0	72	507711	9.97	
105 Dimethyl phthalate	163	5.953	5.953	0.0	92	1034486	9.65	
106 1,3-Dinitrobenzene	168	5.985	5.985	0.0	78	187935	10.2	
107 2,6-Dinitrotoluene	165	6.006	6.006	0.0	71	247221	10.0	
109 Acenaphthylene	152	6.097	6.097	0.0	92	1438941	9.52	
110 3-Nitroaniline	138	6.156	6.156	0.0	87	291290	9.89	
111 2,4-Dinitrophenol	184	6.241	6.241	0.0	67	288700	18.7	
112 Acenaphthene	153	6.236	6.236	0.0	84	856088	9.36	
113 4-Nitrophenol	109	6.268	6.268	0.0	85	452798	18.6	
114 2,4-Dinitrotoluene	165	6.348	6.348	0.0	73	330193	10.1	
116 Dibenzofuran	168	6.380	6.380	0.0	83	1248895	9.42	
119 2,3,4,6-Tetrachlorophenol	232	6.471	6.471	0.0	78	244782	9.70	
121 Diethyl phthalate	149	6.541	6.541	0.0	93	1007785	9.68	
123 4-Chlorophenyl phenyl ether	204	6.658	6.658	0.0	93	489469	9.54	
125 4-Nitroaniline	138	6.669	6.669	0.0	74	285060	9.73	
126 Fluorene	166	6.669	6.669	0.0	78	1008924	9.40	
128 4,6-Dinitro-2-methylphenol	198	6.690	6.690	0.0	68	398186	19.2	
131 N-Nitrosodiphenylamine	169	6.754	6.754	0.0	99	1457818	19.7	
132 1,2-Diphenylhydrazine	77	6.792	6.792	0.0	100	2027808	9.81	
133 Azobenzene	77	6.792	6.792	0.0	94	2026383	9.81	
139 4-Bromophenyl phenyl ether	248	7.069	7.069	0.0	72	254446	9.73	
141 Hexachlorobenzene	284	7.134	7.134	0.0	85	244607	9.70	
142 Atrazine	200	7.187	7.187	0.0	78	586203	19.4	
143 Pentachlorophenol	266	7.289	7.289	0.0	77	306946	18.9	
148 Phenanthrene	178	7.486	7.486	0.0	98	1507507	9.50	
149 Anthracene	178	7.529	7.529	0.0	87	1550338	9.71	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.652	7.652	0.0	83	1429020	9.84	
154 Di-n-butyl phthalate	149	7.914	7.914	0.0	99	1757853	9.64	
159 Fluoranthene	202	8.490	8.490	0.0	99	1642681	9.64	
160 Benzidine	184	8.581	8.581	0.0	98	1438210	20.0	
161 Pyrene	202	8.688	8.688	0.0	96	1673143	9.74	
168 Butyl benzyl phthalate	149	9.185	9.185	0.0	89	775574	9.78	
175 3,3'-Dichlorobenzidine	252	9.650	9.650	0.0	72	1029180	19.0	
173 Bis(2-ethylhexyl) phthalate	149	9.650	9.650	0.0	93	1039294	9.58	
177 Benzo[a]anthracene	228	9.687	9.687	0.0	90	1540160	9.43	
178 Chrysene	228	9.719	9.719	0.0	93	1446436	9.42	
180 Di-n-octyl phthalate	149	10.221	10.221	0.0	99	1825446	9.70	
182 Benzo[b]fluoranthene	252	10.718	10.718	0.0	87	1445081	9.92	
183 Benzo[k]fluoranthene	252	10.750	10.750	0.0	99	1457580	9.64	
184 Benzo[a]pyrene	252	11.108	11.108	0.0	76	1318721	9.69	
188 Indeno[1,2,3-cd]pyrene	276	12.748	12.748	0.0	88	1441286	9.96	
189 Dibenz(a,h)anthracene	278	12.770	12.770	0.0	68	1194066	9.85	
190 Benzo[g,h,i]perylene	276	13.234	13.234	0.0	88	1188430	9.77	
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

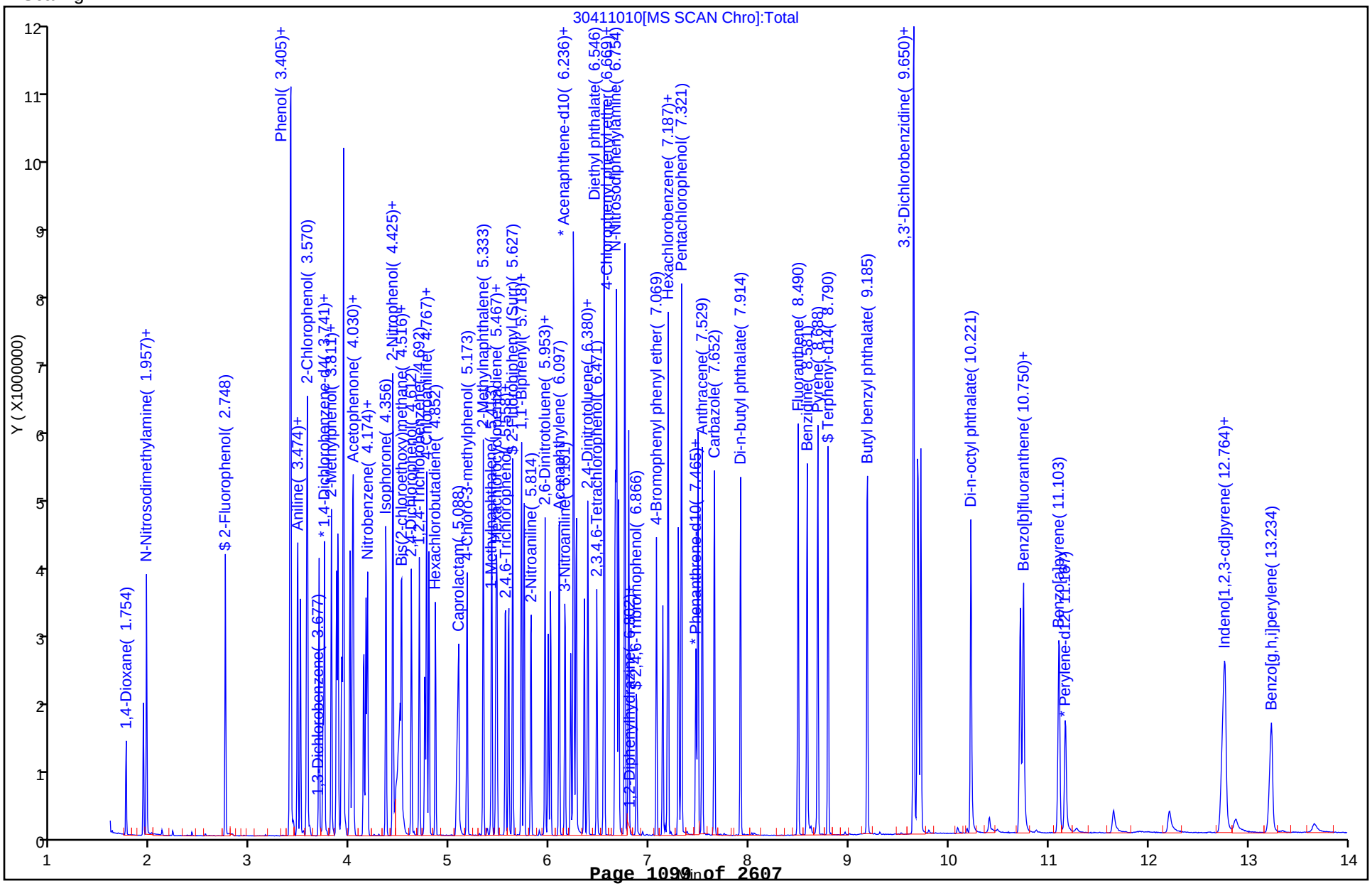
Report Date: 11-Apr-2013 12:46:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D

Injection Date:	11-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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

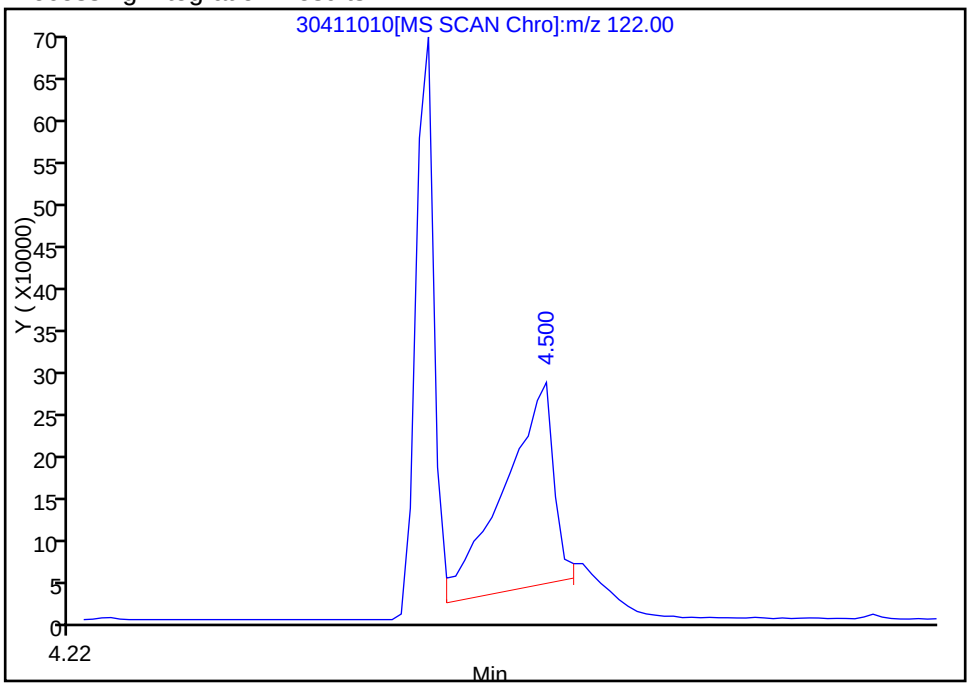
TestAmerica Canton

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Injection Date:	11-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	10
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: 4.50

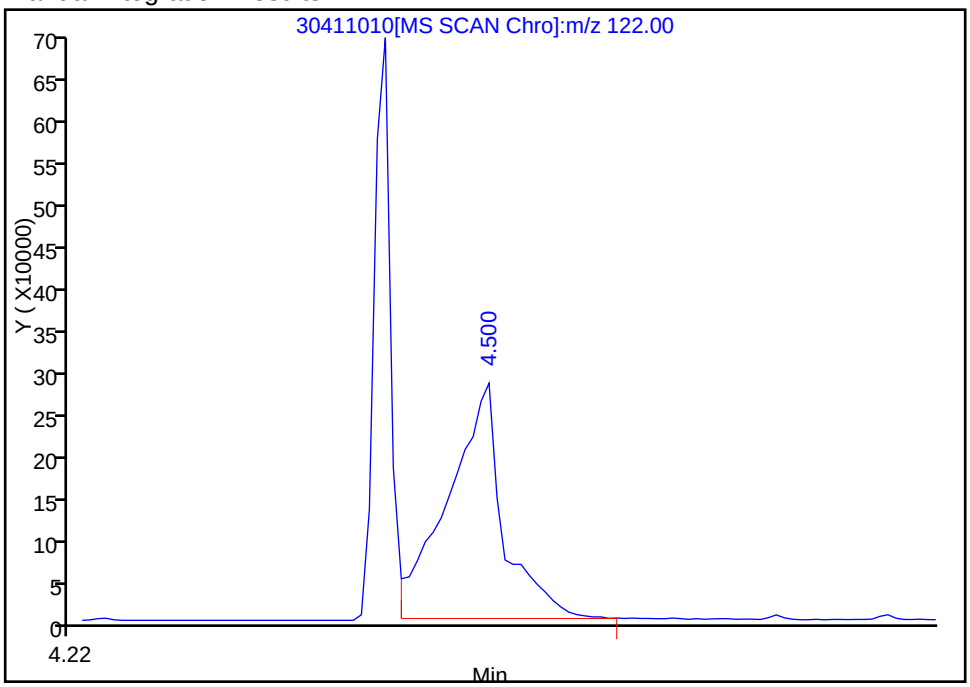
Processing Integration Results

RT: 4.50
Response: 492270
Amount: 13.738614



Manual Integration Results

RT: 4.50
Response: 726245
Amount: 19.365306



Reviewer: ulmanm, 11-Apr-2013 12:06:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-81433/11 Calibration Date: 04/11/2013 12:15

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

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	Ave	0.8284	0.9239		11.2	10.0	11.5	
N-Nitrosodimethylamine	Ave	1.522	1.558		10.2	10.0	2.3	
Pyridine	Ave	2.456	2.782		11.3	10.0	13.3	
Benzaldehyde	Ave	2.002	1.976		19.7	20.0	-1.3	
Phenol	Ave	2.463	2.556		10.4	10.0	3.8	
Aniline	Ave	3.328	3.417		10.3	10.0	2.6	
Bis(2-chloroethyl)ether	Ave	2.201	2.339		10.6	10.0	6.3	
2-Chlorophenol	Ave	1.366	1.407		10.3	10.0	3.0	
1,3-Dichlorobenzene	Ave	1.400	1.446		10.3	10.0	3.3	
1,4-Dichlorobenzene	Ave	1.425	1.490		10.5	10.0	4.6	
Benzyl alcohol	Ave	1.196	1.288		10.8	10.0	7.7	
1,2-Dichlorobenzene	Ave	1.340	1.398		10.4	10.0	4.3	
2-Methylphenol	Ave	1.625	1.769		10.9	10.0	8.9	
bis (2-chloroisopropyl) ether	Ave	2.242	2.519		8.09	7.20	12.4	
3 & 4 Methylphenol	Ave	1.727	1.862		10.8	10.0	7.8	
N-Nitrosodi-n-propylamine	Ave	1.846	1.943		10.5	10.0	5.2	
Acetophenone	Ave	2.603	2.746		10.6	10.0	5.5	
Hexachloroethane	Ave	0.7107	0.7605		10.7	10.0	7.0	
Nitrobenzene	Ave	0.5954	0.6413		10.8	10.0	7.7	
Isophorone	Ave	1.006	1.118		11.1	10.0	11.2	
2-Nitrophenol	Ave	0.1685	0.1733		10.3	10.0	2.8	
2,4-Dimethylphenol	Ave	0.4055	0.4240		10.5	10.0	4.6	
Benzoic acid	Ave	0.2254	0.2205		19.6	20.0	-2.2	
Bis(2-chloroethoxy)methane	Ave	0.5641	0.5880		10.4	10.0	4.2	
2,4-Dichlorophenol	Ave	0.2460	0.2616		10.6	10.0	6.3	
1,2,4-Trichlorobenzene	Ave	0.2664	0.2838		10.7	10.0	6.5	
Naphthalene	Ave	0.9679	0.9817		10.1	10.0	1.4	
4-Chloroaniline	Ave	0.4092	0.4218		10.3	10.0	3.1	
Hexachlorobutadiene	Ave	0.1514	0.1608		10.6	10.0	6.2	
Caprolactam	Ave	0.1289	0.1385		21.5	20.0	7.4	
4-Chloro-3-methylphenol	Ave	0.3682	0.3918		10.6	10.0	6.4	
2-Methylnaphthalene	Ave	0.6087	0.6150		10.1	10.0	1.0	
1-Methylnaphthalene	Ave	0.5630	0.5724		10.2	10.0	1.7	
Hexachlorocyclopentadiene	Ave	0.3001	0.3416		11.4	10.0	13.8	
1,2,4,5-Tetrachlorobenzene	Ave	0.4277	0.4563		10.7	10.0	6.7	
2,4,6-Trichlorophenol	Ave	0.2985	0.3223		10.8	10.0	8.0	
2,4,5-Trichlorophenol	Ave	0.3097	0.3454		11.2	10.0	11.5	
1,1'-Biphenyl	Ave	1.327	1.388		10.5	10.0	4.6	
2-Chloronaphthalene	Ave	0.9836	1.029		10.5	10.0	4.6	
2-Nitroaniline	Ave	0.5349	0.5989		11.2	10.0	12.0	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-81433/11 Calibration Date: 04/11/2013 12:15

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30411011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.127	1.219		10.8	10.0	8.2	
2,6-Dinitrotoluene	Ave	0.2588	0.2810		10.9	10.0	8.6	
Acenaphthylene	Ave	1.588	1.686		10.6	10.0	6.1	
3-Nitroaniline	Ave	0.3096	0.3328		10.7	10.0	7.5	
2,4-Dinitrophenol	Ave	0.1626	0.1648		20.3	20.0	1.3	
Acenaphthene	Ave	0.9609	1.014		10.6	10.0	5.6	
4-Nitrophenol	Ave	0.2557	0.2650		20.7	20.0	3.6	
2,4-Dinitrotoluene	Ave	0.3423	0.3859		11.3	10.0	12.7	
Dibenzofuran	Ave	1.393	1.452		10.4	10.0	4.2	
2,3,4,6-Tetrachlorophenol	Ave	0.2651	0.2850		10.8	10.0	7.5	
Diethyl phthalate	Ave	1.094	1.177		10.8	10.0	7.6	
4-Chlorophenyl phenyl ether	Ave	0.5393	0.5762		10.7	10.0	6.8	
4-Nitroaniline	Ave	0.3079	0.3315		10.8	10.0	7.7	
Fluorene	Ave	1.127	1.189		10.5	10.0	5.4	
4,6-Dinitro-2-methylphenol	Ave	0.1297	0.1434		22.1	20.0	10.6	
N-Nitrosodiphenylamine	Ave	0.4636	0.5096		22.0	20.0	9.9	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295	1.484		11.5	10.0	14.6	
Azobenzene	Ave	1.295	1.484		11.5	10.0	14.6	
4-Bromophenyl phenyl ether	Ave	0.1638	0.1868		11.4	10.0	14.0	
Hexachlorobenzene	Ave	0.1580	0.1771		11.2	10.0	12.1	
Atrazine	Ave	0.1891	0.2150		22.7	20.0	13.7	
Pentachlorophenol	Ave	0.1018	0.1183		23.2	20.0	16.2	
Phenanthrene	Ave	0.9947	1.076		10.8	10.0	8.1	
Anthracene	Ave	1.001	1.115		11.1	10.0	11.4	
Carbazole	Ave	0.9101	1.014		11.1	10.0	11.4	
Di-n-butyl phthalate	Ave	1.142	1.286		11.3	10.0	12.6	
Fluoranthene	Ave	1.068	1.189		11.1	10.0	11.4	
Benzidine	Ave	0.4459	0.5052		22.7	20.0	13.3	
Pyrene	Ave	1.068	1.154		10.8	10.0	8.1	
Butyl benzyl phthalate	Ave	0.4928	0.5470		11.1	10.0	11.0	
3,3'-Dichlorobenzidine	Ave	0.3364	0.3631		21.6	20.0	7.9	
Bis(2-ethylhexyl) phthalate	Ave	0.6742	0.7267		10.8	10.0	7.8	
Benzo[a]anthracene	Ave	1.015	1.076		10.6	10.0	6.0	
Chrysene	Ave	0.9545	1.025		10.7	10.0	7.4	
Di-n-octyl phthalate	Ave	1.447	1.641		11.3	10.0	13.3	
Benzo[b]fluoranthene	Ave	1.121	1.225		10.9	10.0	9.2	
Benzo[k]fluoranthene	Ave	1.163	1.280		11.0	10.0	10.0	
Benzo[a]pyrene	Ave	1.047	1.129		10.8	10.0	7.9	
Indeno[1,2,3-cd]pyrene	Ave	1.114	1.200		10.8	10.0	7.7	
Dibenz(a,h)anthracene	Ave	0.9324	1.071		11.5	10.0	14.9	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-81433/11 Calibration Date: 04/11/2013 12:15

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30411011.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	0.9363	1.051		11.2	10.0	12.2	
2-Fluorophenol (Surr)	Ave	1.742	1.937		11.1	10.0	11.2	
Phenol-d5 (Surr)	Ave	2.434	2.722		11.2	10.0	11.8	
Nitrobenzene-d5 (Surr)	Ave	0.6205	0.6988		11.3	10.0	12.6	
2-Fluorobiphenyl (Surr)	Lin1		1.318		11.7	10.0	17.0	
2,4,6-Tribromophenol (Surr)	Ave	0.1284	0.1521		11.8	10.0	18.5	
Terphenyl-d14 (Surr)	Lin1		0.8744		11.7	10.0	16.6	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411011.D
Lims ID: icv tcl
Client ID:
Inject. Date: 11-Apr-2013 12:15:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018755-011
Misc. Info.: ICV TCL =ICV TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 81433
Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m
Last Update: 11-Apr-2013 12:46:58
Calib Date: 11-Apr-2013 11:34:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: ulmanm
Date: 11-Apr-2013 12:42:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.726	3.725	0.001	91	143564	4.00	
* 2 Naphthalene-d8	136	4.752	4.746	0.006	99	631677	4.00	
* 3 Acenaphthene-d10	164	6.216	6.209	0.007	86	353582	4.00	
* 4 Phenanthrene-d10	188	7.471	7.465	0.006	97	577110	4.00	
* 5 Chrysene-d12	240	9.704	9.698	0.006	81	597303	4.00	
* 6 Perylene-d12	264	11.178	11.167	0.011	92	470400	4.00	
$ 7 2-Fluorophenol	112	2.749	2.748	0.001	94	695307	11.1	
$ 8 Phenol-d5	99	3.395	3.394	0.001	97	976873	11.2	
$ 9 Nitrobenzene-d5	82	4.159	4.158	0.001	84	1103460	11.3	
$ 10 2-Fluorobiphenyl (Surr)	172	5.633	5.627	0.006	99	1164761	11.7	
$ 11 2,4,6-Tribromophenol	330	6.873	6.872	0.001	75	134434	11.8	
$ 12 Terphenyl-d14	244	8.796	8.790	0.006	97	1305743	11.7	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	1.750	1.754	-0.004	93	331593	11.2	
26 N-Nitrosodimethylamine	74	1.926	1.925	0.001	85	559087	10.2	
27 Pyridine	79	1.958	1.957	0.001	95	998542	11.3	
41 Benzaldehyde	77	3.400	3.399	0.001	86	1418281	19.7	
43 Phenol	94	3.406	3.405	0.001	94	917429	10.4	
44 Aniline	93	3.470	3.474	-0.004	97	1226258	10.3	
69 Bis(2-chloroethyl)ether	93	3.502	3.501	0.001	95	839667	10.6	
46 2-Chlorophenol	128	3.566	3.565	0.001	87	505080	10.3	
47 1,3-Dichlorobenzene	146	3.689	3.688	0.001	86	519048	10.3	
48 1,4-Dichlorobenzene	146	3.742	3.741	0.001	75	534741	10.5	
49 Benzyl alcohol	108	3.812	3.811	0.001	83	462301	10.8	
50 1,2-Dichlorobenzene	146	3.865	3.864	0.001	85	501775	10.4	
51 2-Methylphenol	108	3.876	3.875	0.001	90	635051	10.9	
53 2,2'-oxybis[1-chloropropane]	45	3.913	3.912	0.001	94	650911	8.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.934	3.934	0.0	72	2148969	20.8	
21 3 & 4 Methylphenol	108	3.999	3.998	0.001	91	668195	10.8	
57 N-Nitrosodi-n-propylamine	70	4.020	4.019	0.001	71	697345	10.5	
58 Acetophenone	105	4.031	4.030	0.001	89	985682	10.6	
61 Hexachloroethane	117	4.132	4.137	-0.005	82	272950	10.7	
62 Nitrobenzene	77	4.175	4.174	0.001	75	1012763	10.8	
64 Isophorone	82	4.362	4.356	0.006	95	1765907	11.1	
65 2,4-Dimethylphenol	107	4.431	4.430	0.001	94	669551	10.5	
66 2-Nitrophenol	139	4.426	4.425	0.001	80	273712	10.3	
71 Benzoic acid	122	4.506	4.500	0.006	83	696411	19.6	
70 Bis(2-chloroethoxy)methane	93	4.517	4.516	0.001	94	928557	10.4	
73 2,4-Dichlorophenol	162	4.613	4.612	0.001	91	413075	10.6	
74 1,2,4-Trichlorobenzene	180	4.693	4.692	0.001	84	448158	10.7	
75 Naphthalene	128	4.768	4.767	0.001	98	1550347	10.1	
76 4-Chloroaniline	127	4.789	4.788	0.001	70	666138	10.3	
79 Hexachlorobutadiene	225	4.859	4.852	0.007	91	253936	10.6	
84 Caprolactam	113	5.094	5.088	0.006	80	437508	21.5	
86 4-Chloro-3-methylphenol	107	5.174	5.173	0.001	85	618699	10.6	
87 2-Methylnaphthalene	142	5.334	5.333	0.001	84	971228	10.1	
88 1-Methylnaphthalene	142	5.420	5.419	0.001	78	903863	10.2	
89 Hexachlorocyclopentadiene	237	5.462	5.462	0.0	85	301955	11.4	
91 1,2,4,5-Tetrachlorobenzene	216	5.473	5.472	0.001	90	403384	10.7	
92 2,4,6-Trichlorophenol	196	5.558	5.558	0.0	87	284867	10.8	
93 2,4,5-Trichlorophenol	196	5.591	5.590	0.001	84	305315	11.2	
98 1,1'-Biphenyl	154	5.719	5.718	0.001	96	1226845	10.5	
100 2-Chloronaphthalene	162	5.745	5.745	0.0	98	909659	10.5	
102 2-Nitroaniline	65	5.815	5.814	0.001	70	529367	11.2	
105 Dimethyl phthalate	163	5.959	5.953	0.006	94	1077955	10.8	
106 1,3-Dinitrobenzene	168	5.986	5.985	0.001	77	181877	10.6	
107 2,6-Dinitrotoluene	165	6.013	6.006	0.007	70	248364	10.9	
109 Acenaphthylene	152	6.098	6.097	0.001	92	1489971	10.6	
110 3-Nitroaniline	138	6.157	6.156	0.001	85	294137	10.7	
111 2,4-Dinitrophenol	184	6.242	6.241	0.001	67	291334	20.3	
112 Acenaphthene	153	6.242	6.236	0.006	84	896611	10.6	
113 4-Nitrophenol	109	6.269	6.268	0.001	84	468427	20.7	
114 2,4-Dinitrotoluene	165	6.349	6.348	0.001	75	341076	11.3	
116 Dibenzofuran	168	6.387	6.380	0.007	84	1283167	10.4	
119 2,3,4,6-Tetrachlorophenol	232	6.477	6.471	0.006	77	251963	10.8	
121 Diethyl phthalate	149	6.547	6.541	0.006	93	1040320	10.8	
123 4-Chlorophenyl phenyl ether	204	6.659	6.658	0.001	92	509342	10.7	
125 4-Nitroaniline	138	6.675	6.669	0.006	64	293010	10.8	
126 Fluorene	166	6.675	6.669	0.006	79	1050661	10.5	
128 4,6-Dinitro-2-methylphenol	198	6.696	6.690	0.006	67	413780	22.1	
131 N-Nitrosodiphenylamine	169	6.755	6.754	0.001	98	1470463	22.0	
132 1,2-Diphenylhydrazine	77	6.798	6.792	0.006	99	2140540	11.5	
133 Azobenzene	77	6.798	6.792	0.006	94	2140643	11.5	
139 4-Bromophenyl phenyl ether	248	7.076	7.069	0.007	72	269460	11.4	
141 Hexachlorobenzene	284	7.140	7.134	0.006	83	255466	11.2	
142 Atrazine	200	7.193	7.187	0.006	84	620470	22.7	
143 Pentachlorophenol	266	7.295	7.289	0.007	76	341213	23.2	
148 Phenanthrene	178	7.492	7.486	0.006	98	1552142	10.8	
149 Anthracene	178	7.535	7.529	0.006	99	1608995	11.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.658	7.652	0.006	83	1462888	11.1	
154 Di-n-butyl phthalate	149	7.914	7.914	0.0	99	1855118	11.3	
159 Fluoranthene	202	8.497	8.490	0.007	99	1715588	11.1	
160 Benzidine	184	8.587	8.581	0.006	99	1508706	22.7	
161 Pyrene	202	8.689	8.688	0.001	95	1723729	10.8	
168 Butyl benzyl phthalate	149	9.186	9.185	0.001	87	816809	11.1	
175 3,3'-Dichlorobenzidine	252	9.651	9.650	0.001	73	1084342	21.6	
173 Bis(2-ethylhexyl) phthalate	149	9.656	9.650	0.006	93	1085139	10.8	
177 Benzo[a]anthracene	228	9.693	9.687	0.006	90	1606367	10.6	
178 Chrysene	228	9.725	9.719	0.006	93	1530600	10.7	
180 Di-n-octyl phthalate	149	10.228	10.221	0.007	99	1929468	11.3	
182 Benzo[b]fluoranthene	252	10.724	10.718	0.006	87	1440418	10.9	
183 Benzo[k]fluoranthene	252	10.756	10.750	0.006	85	1505268	11.0	
184 Benzo[a]pyrene	252	11.114	11.108	0.006	77	1327946	10.8	
188 Indeno[1,2,3-cd]pyrene	276	12.765	12.748	0.017	90	1410643	10.8	
189 Dibenz(a,h)anthracene	278	12.781	12.770	0.011	73	1259503	11.5	
190 Benzo[g,h,i]perylene	276	13.251	13.234	0.017	87	1235564	11.2	

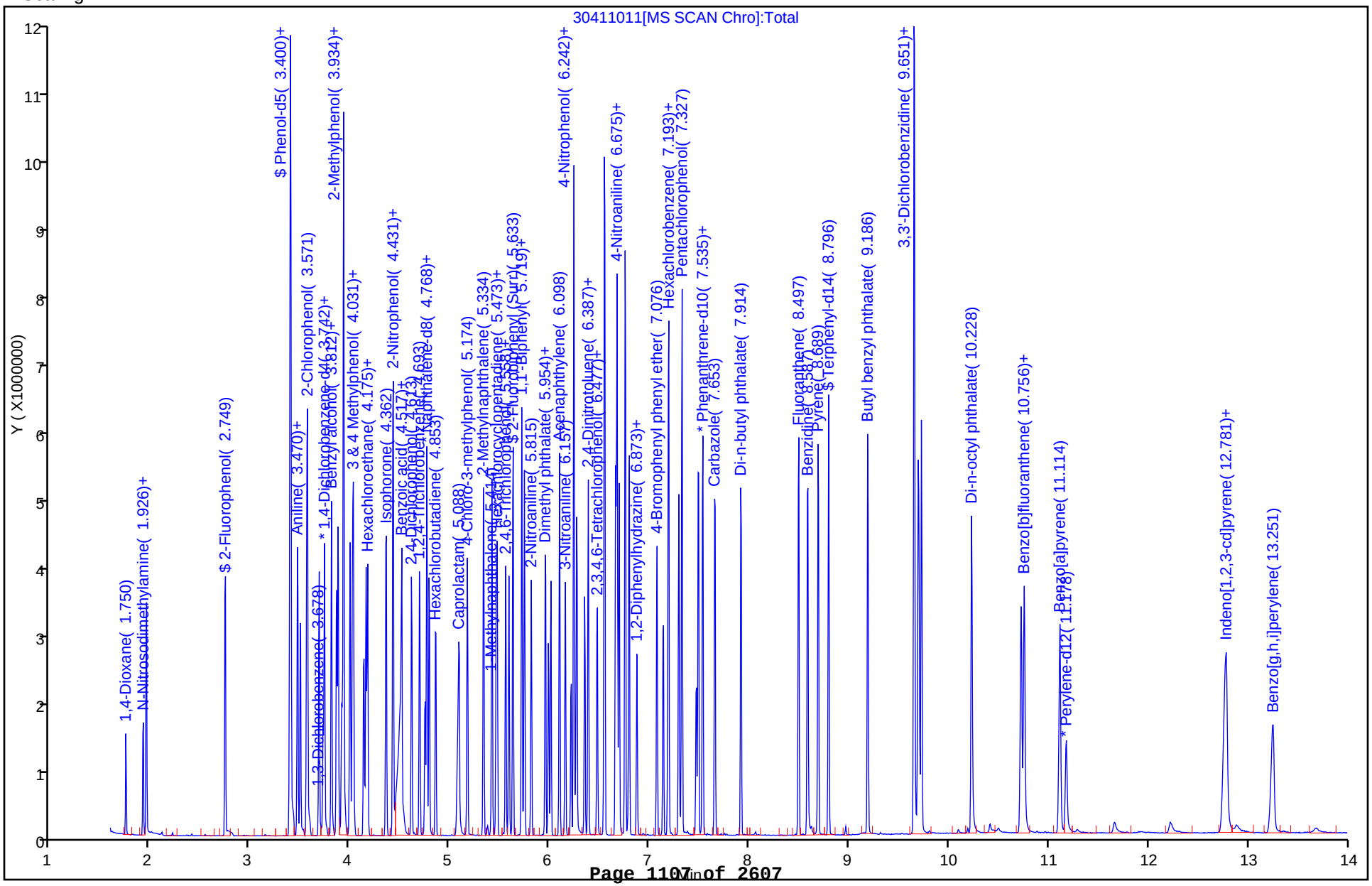
Report Date: 11-Apr-2013 12:47:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411011.D

Injection Date:	11-Apr-2013 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	Lims Sample ID:	11
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.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81882/2 Calibration Date: 04/15/2013 09:55

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8284	0.7707		9.30	10.0	-7.0	
N-Nitrosodimethylamine	Ave	1.522	1.444		9.48	10.0	-5.2	
Pyridine	Ave	2.456	2.371		9.65	10.0	-3.5	
Benzaldehyde	Ave	2.002	1.892		18.9	20.0	-5.5	
Phenol	Ave	2.463	2.405		9.76	10.0	-2.4	
Aniline	Ave	3.328	3.191		9.59	10.0	-4.1	
Bis(2-chloroethyl)ether	Ave	2.201	2.075		9.43	10.0	-5.7	
2-Chlorophenol	Ave	1.366	1.311		9.60	10.0	-4.0	
1,3-Dichlorobenzene	Ave	1.400	1.329		9.50	10.0	-5.0	
1,4-Dichlorobenzene	Ave	1.425	1.341		9.41	10.0	-5.9	
Benzyl alcohol	Ave	1.196	1.105		9.24	10.0	-7.6	
1,2-Dichlorobenzene	Ave	1.340	1.284		9.58	10.0	-4.2	
2-Methylphenol	Ave	1.625	1.710		10.5	10.0	5.2	
bis (2-chloroisopropyl) ether	Ave	2.242	2.034		9.07	10.0	-9.3	
3 & 4 Methylphenol	Ave	1.727	1.637		9.48	10.0	-5.2	
N-Nitrosodi-n-propylamine	Ave	1.846	1.727		9.35	10.0	-6.5	
Acetophenone	Ave	2.603	2.494		9.58	10.0	-4.2	
Hexachloroethane	Ave	0.7107	0.6864		9.66	10.0	-3.4	
Nitrobenzene	Ave	0.5954	0.5792		9.73	10.0	-2.7	
Isophorone	Ave	1.006	0.9913		9.85	10.0	-1.5	
2-Nitrophenol	Ave	0.1685	0.1685		9.99	10.0	-0.0	
2,4-Dimethylphenol	Ave	0.4055	0.3958		9.76	10.0	-2.4	
Bis(2-chloroethoxy)methane	Ave	0.5641	0.5485		9.72	10.0	-2.8	
Benzoic acid	Ave	0.2254	0.2147		19.0	20.0	-4.8	
2,4-Dichlorophenol	Ave	0.2460	0.2377		9.66	10.0	-3.4	
1,2,4-Trichlorobenzene	Ave	0.2664	0.2550		9.57	10.0	-4.3	
Naphthalene	Ave	0.9679	0.9026		9.32	10.0	-6.8	
4-Chloroaniline	Ave	0.4092	0.3913		9.56	10.0	-4.4	
Hexachlorobutadiene	Ave	0.1514	0.1485		9.81	10.0	-1.9	
Caprolactam	Ave	0.1289	0.1256		19.5	20.0	-2.6	
4-Chloro-3-methylphenol	Ave	0.3682	0.3559		9.66	10.0	-3.4	
2-Methylnaphthalene	Ave	0.6087	0.5744		9.44	10.0	-5.6	
1-Methylnaphthalene	Ave	0.5630	0.5439		9.66	10.0	-3.4	
Hexachlorocyclopentadiene	Ave	0.3001	0.3039		10.1	10.0	1.3	
1,2,4,5-Tetrachlorobenzene	Ave	0.4277	0.4197		9.81	10.0	-1.9	
2,4,6-Trichlorophenol	Ave	0.2985	0.2833		9.49	10.0	-5.1	
2,4,5-Trichlorophenol	Ave	0.3097	0.3105		10.0	10.0	0.3	
1,1'-Biphenyl	Ave	1.327	1.255		9.45	10.0	-5.5	
2-Chloronaphthalene	Ave	0.9836	0.9255		9.41	10.0	-5.9	
2-Nitroaniline	Ave	0.5349	0.5297		9.90	10.0	-1.0	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81882/2 Calibration Date: 04/15/2013 09:55

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.127	1.095		9.72	10.0	-2.8	
2,6-Dinitrotoluene	Ave	0.2588	0.2573		9.94	10.0	-0.6	
Acenaphthylene	Ave	1.588	1.494		9.41	10.0	-5.9	
3-Nitroaniline	Ave	0.3096	0.3092		9.99	10.0	-0.1	
Acenaphthene	Ave	0.9609	0.9159		9.53	10.0	-4.7	
2,4-Dinitrophenol	Ave	0.1626	0.1743		21.4	20.0	7.2	
4-Nitrophenol	Ave	0.2557	0.2471		19.3	20.0	-3.4	
2,4-Dinitrotoluene	Ave	0.3423	0.3457		10.1	10.0	1.0	
Dibenzofuran	Ave	1.393	1.332		9.56	10.0	-4.4	
2,3,4,6-Tetrachlorophenol	Ave	0.2651	0.2457		9.27	10.0	-7.3	
Diethyl phthalate	Ave	1.094	1.048		9.58	10.0	-4.2	
4-Chlorophenyl phenyl ether	Ave	0.5393	0.5107		9.47	10.0	-5.3	
Fluorene	Ave	1.127	1.054		9.35	10.0	-6.5	
4-Nitroaniline	Ave	0.3079	0.3105		10.1	10.0	0.9	
4,6-Dinitro-2-methylphenol	Ave	0.1297	0.1298		20.0	20.0	0.0	
N-Nitrosodiphenylamine	Ave	0.4636	0.4540		19.6	20.0	-2.1	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295	1.282		9.90	10.0	-1.0	
Azobenzene	Ave	1.295	1.282		9.90	10.0	-1.0	
4-Bromophenyl phenyl ether	Ave	0.1638	0.1604		9.79	10.0	-2.1	
Hexachlorobenzene	Ave	0.1580	0.1516		9.59	10.0	-4.1	
Atrazine	Ave	0.1891	0.1893		20.0	20.0	0.1	
Pentachlorophenol	Ave	0.1018	0.0981		19.3	20.0	-3.6	
Phenanthrene	Ave	0.9947	0.9315		9.36	10.0	-6.4	
Anthracene	Ave	1.001	0.9676		9.67	10.0	-3.3	
Carbazole	Ave	0.9101	0.8893		9.77	10.0	-2.3	
Di-n-butyl phthalate	Ave	1.142	1.130		9.89	10.0	-1.1	
Fluoranthene	Ave	1.068	1.047		9.81	10.0	-1.9	
Benzidine	Ave	0.4459	0.4383		19.7	20.0	-1.7	
Pyrene	Ave	1.068	1.040		9.74	10.0	-2.6	
Butyl benzyl phthalate	Ave	0.4928	0.4878		9.90	10.0	-1.0	
3,3'-Dichlorobenzidine	Ave	0.3364	0.3371		20.0	20.0	0.2	
Bis(2-ethylhexyl) phthalate	Ave	0.6742	0.6691		9.92	10.0	-0.8	
Benzo[a]anthracene	Ave	1.015	0.9697		9.55	10.0	-4.5	
Chrysene	Ave	0.9545	0.8899		9.32	10.0	-6.8	
Di-n-octyl phthalate	Ave	1.447	1.436		9.92	10.0	-0.8	
Benzo[b]fluoranthene	Ave	1.121	1.142		10.2	10.0	1.8	
Benzo[k]fluoranthene	Ave	1.163	1.059		9.10	10.0	-9.0	
Benzo[a]pyrene	Ave	1.047	1.009		9.64	10.0	-3.6	
Indeno[1,2,3-cd]pyrene	Ave	1.114	1.122		10.1	10.0	0.8	
Dibenz(a,h)anthracene	Ave	0.9324	0.9413		10.1	10.0	0.9	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81882/2 Calibration Date: 04/15/2013 09:55

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415002.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	0.9363	0.9343		9.98	10.0	-0.2	
2-Fluorophenol (Surr)	Ave	1.742	1.681		9.65	10.0	-3.5	
Phenol-d5 (Surr)	Ave	2.434	2.337		9.60	10.0	-4.0	
Nitrobenzene-d5 (Surr)	Ave	0.6205	0.5675		9.15	10.0	-8.5	
2-Fluorobiphenyl (Surr)	Lin1		1.101		9.77	10.0	-2.3	
2,4,6-Tribromophenol (Surr)	Ave	0.1284	0.1212		9.45	10.0	-5.5	
Terphenyl-d14 (Surr)	Lin1		0.7147		9.52	10.0	-4.8	

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	15-Apr-2013 09:55:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018860-002		
Misc. Info.:	CCV TCL =CCV TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	81882	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m		
Last Update:	16-Apr-2013 10:48:42	Calib Date:	12-Apr-2013 13:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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:	15-Apr-2013 10:30:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.517	3.517	0.0	94	178294	4.00	
* 2 Naphthalene-d8	136	4.527	4.527	0.0	98	773587	4.00	
* 3 Acenaphthene-d10	164	5.985	5.985	0.0	77	442696	4.00	
* 4 Phenanthrene-d10	188	7.235	7.235	0.0	96	736629	4.00	
* 5 Chrysene-d12	240	9.463	9.463	0.0	75	758806	4.00	
* 6 Perylene-d12	264	10.793	10.793	0.0	96	630791	4.00	
$ 7 2-Fluorophenol	112	2.555	2.555	0.0	94	749132	9.65	
$ 8 Phenol-d5	99	3.202	3.202	0.0	91	1041668	9.60	
$ 9 Nitrobenzene-d5	82	3.944	3.944	0.0	84	1097453	9.15	
$ 10 2-Fluorobiphenyl (Surr)	172	5.408	5.408	0.0	99	1218639	9.77	
$ 11 2,4,6-Tribromophenol	330	6.647	6.647	0.0	83	134173	9.45	
$ 12 Terphenyl-d14	244	8.565	8.565	0.0	98	1355751	9.52	
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
247 Hexadecane	57		0.000					
25 1,4-Dioxane	88	1.556	1.556	0.0	92	343530	9.30	
26 N-Nitrosodimethylamine	74	1.733	1.733	0.0	86	643419	9.48	
27 Pyridine	79	1.759	1.759	0.0	92	1056657	9.65	
41 Benzaldehyde	77	3.191	3.191	0.0	86	1686641	18.9	
43 Phenol	94	3.212	3.212	0.0	93	1071991	9.76	
44 Aniline	93	3.266	3.266	0.0	97	1422122	9.59	
69 Bis(2-chloroethyl)ether	93	3.293	3.293	0.0	96	925071	9.43	
46 2-Chlorophenol	128	3.357	3.357	0.0	90	584413	9.60	
47 1,3-Dichlorobenzene	146	3.474	3.474	0.0	87	592564	9.50	
48 1,4-Dichlorobenzene	146	3.528	3.528	0.0	81	597796	9.41	
49 Benzyl alcohol	108	3.608	3.608	0.0	85	492457	9.24	
50 1,2-Dichlorobenzene	146	3.645	3.645	0.0	86	572127	9.58	
51 2-Methylphenol	108	3.677	3.677	0.0	91	762130	10.5	
53 2,2'-oxybis[1-chloropropane]	45	3.704	3.704	0.0	93	906461	9.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	3.720	3.720	0.0	71	2427882	19.0	
21 3 & 4 Methylphenol	108	3.800	3.800	0.0	95	729828	9.48	
57 N-Nitrosodi-n-propylamine	70	3.811	3.811	0.0	75	769854	9.35	
58 Acetophenone	105	3.821	3.821	0.0	83	1111498	9.58	
61 Hexachloroethane	117	3.918	3.918	0.0	93	305960	9.66	
62 Nitrobenzene	77	3.960	3.960	0.0	74	1120206	9.73	
64 Isophorone	82	4.147	4.147	0.0	95	1917051	9.85	
66 2-Nitrophenol	139	4.211	4.211	0.0	88	325768	10.0	
65 2,4-Dimethylphenol	107	4.227	4.227	0.0	95	765470	9.76	
70 Bis(2-chloroethoxy)methane	93	4.302	4.302	0.0	99	1060802	9.72	
71 Benzoic acid	122	4.313	4.313	0.0	83	830259	19.0	M
73 2,4-Dichlorophenol	162	4.404	4.404	0.0	93	459716	9.66	
74 1,2,4-Trichlorobenzene	180	4.473	4.473	0.0	87	493242	9.57	
75 Naphthalene	128	4.548	4.548	0.0	97	1745578	9.32	
76 4-Chloroaniline	127	4.575	4.575	0.0	78	756796	9.56	
79 Hexachlorobutadiene	225	4.633	4.633	0.0	88	287271	9.81	
84 Caprolactam	113	4.879	4.879	0.0	79	485664	19.5	
86 4-Chloro-3-methylphenol	107	4.970	4.970	0.0	85	688205	9.66	
87 2-Methylnaphthalene	142	5.114	5.114	0.0	81	1110770	9.44	
88 1-Methylnaphthalene	142	5.194	5.194	0.0	78	1051841	9.66	
89 Hexachlorocyclopentadiene	237	5.242	5.242	0.0	95	336371	10.1	
91 1,2,4,5-Tetrachlorobenzene	216	5.253	5.253	0.0	95	464489	9.81	
92 2,4,6-Trichlorophenol	196	5.339	5.339	0.0	88	313542	9.49	
93 2,4,5-Trichlorophenol	196	5.376	5.376	0.0	85	343629	10.0	
98 1,1'-Biphenyl	154	5.499	5.499	0.0	95	1388776	9.45	
100 2-Chloronaphthalene	162	5.520	5.520	0.0	98	1024298	9.41	
102 2-Nitroaniline	65	5.595	5.595	0.0	70	586200	9.90	
105 Dimethyl phthalate	163	5.739	5.739	0.0	93	1211882	9.72	
106 1,3-Dinitrobenzene	168	5.771	5.771	0.0	79	223670	10.5	
107 2,6-Dinitrotoluene	165	5.793	5.793	0.0	71	284753	9.94	
109 Acenaphthylene	152	5.867	5.867	0.0	91	1653321	9.41	
110 3-Nitroaniline	138	5.937	5.937	0.0	86	342234	9.99	
112 Acenaphthene	153	6.012	6.012	0.0	92	1013617	9.53	
111 2,4-Dinitrophenol	184	6.022	6.022	0.0	70	385752	21.4	
113 4-Nitrophenol	109	6.070	6.070	0.0	87	546991	19.3	
114 2,4-Dinitrotoluene	165	6.129	6.129	0.0	72	382611	10.1	
116 Dibenzofuran	168	6.156	6.156	0.0	84	1473742	9.56	
119 2,3,4,6-Tetrachlorophenol	232	6.252	6.252	0.0	80	271956	9.27	
121 Diethyl phthalate	149	6.332	6.332	0.0	94	1159908	9.58	
123 4-Chlorophenyl phenyl ether	204	6.434	6.434	0.0	93	565160	9.47	
126 Fluorene	166	6.444	6.444	0.0	81	1165958	9.35	
125 4-Nitroaniline	138	6.450	6.450	0.0	71	343660	10.1	
128 4,6-Dinitro-2-methylphenol	198	6.476	6.476	0.0	65	478038	20.0	
131 N-Nitrosodiphenylamine	169	6.535	6.535	0.0	99	1672241	19.6	
133 Azobenzene	77	6.573	6.573	0.0	94	2361222	9.90	
132 1,2-Diphenylhydrazine	77	6.573	6.573	0.0	100	2361355	9.90	
139 4-Bromophenyl phenyl ether	248	6.850	6.850	0.0	72	295351	9.79	
141 Hexachlorobenzene	284	6.909	6.909	0.0	85	279100	9.59	
142 Atrazine	200	6.973	6.973	0.0	81	697371	20.0	
143 Pentachlorophenol	266	7.069	7.069	0.0	80	361278	19.3	
148 Phenanthrene	178	7.256	7.256	0.0	98	1715459	9.36	
149 Anthracene	178	7.299	7.299	0.0	99	1781826	9.67	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	7.427	7.427	0.0	83	1637784	9.77	
154 Di-n-butyl phthalate	149	7.700	7.700	0.0	100	2081205	9.89	
159 Fluoranthene	202	8.255	8.255	0.0	99	1928884	9.81	
160 Benzidine	184	8.357	8.357	0.0	99	1663048	19.7	
161 Pyrene	202	8.453	8.453	0.0	94	1972004	9.74	
168 Butyl benzyl phthalate	149	8.961	8.961	0.0	87	925352	9.90	
175 3,3'-Dichlorobenzidine	252	9.420	9.420	0.0	72	1279020	20.0	
173 Bis(2-ethylhexyl) phthalate	149	9.431	9.431	0.0	92	1269292	9.92	
177 Benzo[a]anthracene	228	9.452	9.452	0.0	100	1839509	9.55	
178 Chrysene	228	9.484	9.484	0.0	93	1688181	9.32	
180 Di-n-octyl phthalate	149	9.965	9.965	0.0	99	2265310	9.92	
182 Benzo[b]fluoranthene	252	10.392	10.392	0.0	94	1800168	10.2	
183 Benzo[k]fluoranthene	252	10.419	10.419	0.0	86	1669962	9.10	
184 Benzo[a]pyrene	252	10.739	10.739	0.0	78	1591000	9.64	
188 Indeno[1,2,3-cd]pyrene	276	12.193	12.193	0.0	91	1769633	10.1	
189 Dibenz(a,h)anthracene	278	12.209	12.209	0.0	66	1484367	10.1	
190 Benzo[g,h,i]perylene	276	12.620	12.620	0.0	86	1473333	9.98	
S 191 Methyl Phenols,Total	100				0		20.0	
S 245 Total Cresols	100				0		20.0	

QC Flag Legend

Review Flags
M - Manually Integrated

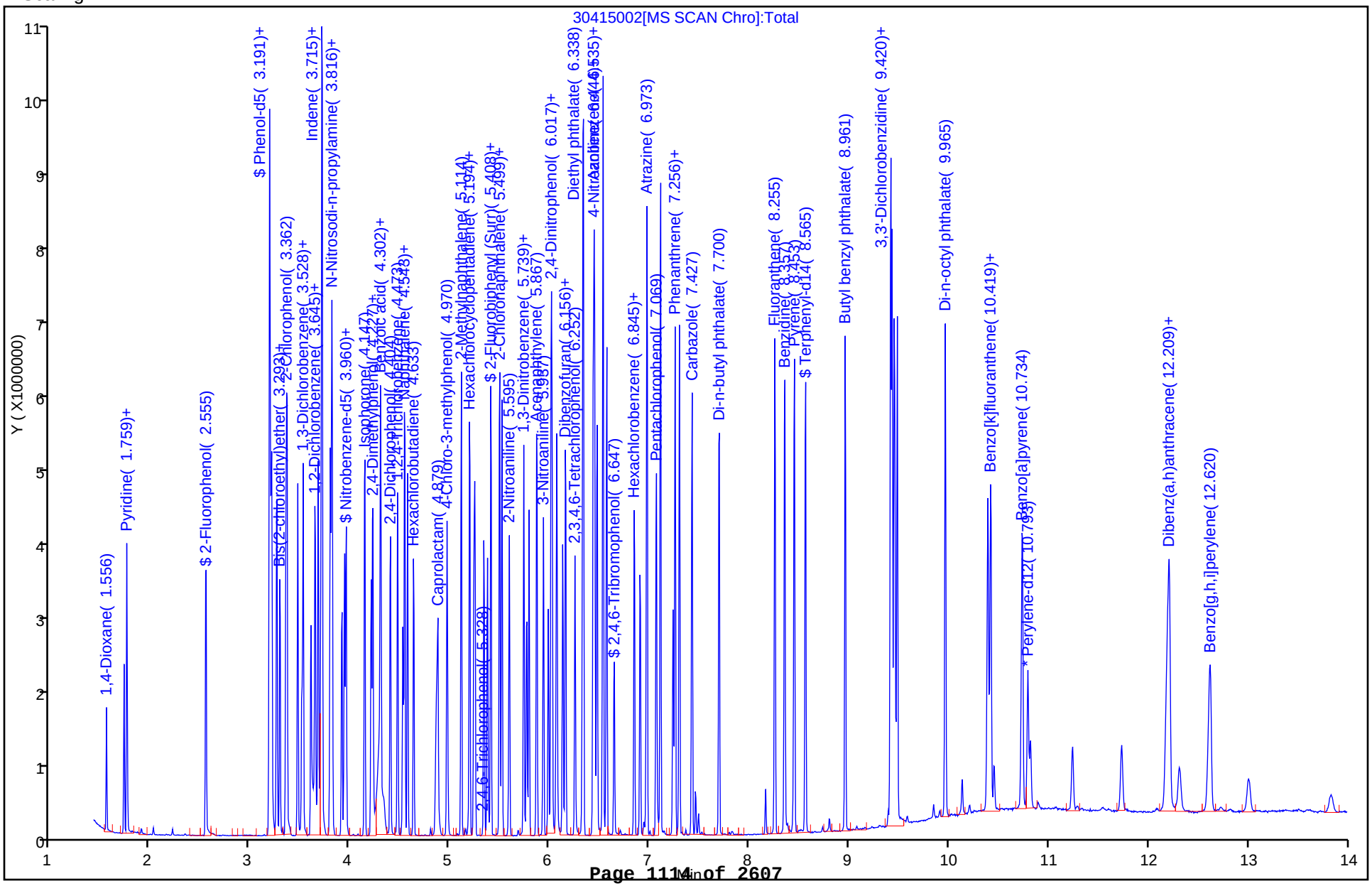
Report Date: 16-Apr-2013 10:48:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415002.D

Injection Date:	15-Apr-2013 09:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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

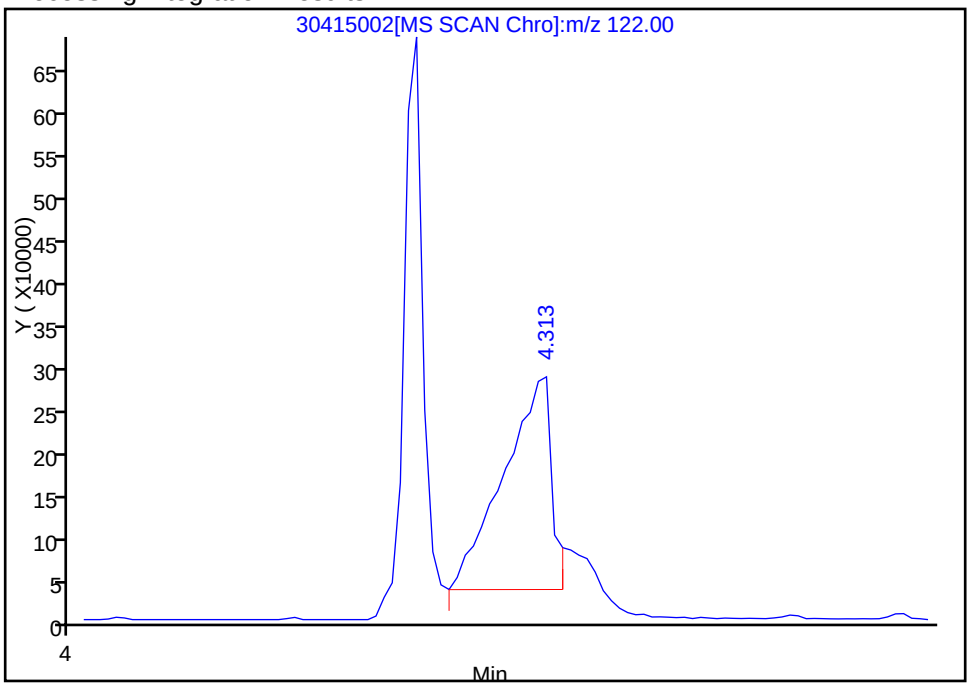
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415002.D		
Injection Date:	15-Apr-2013 09:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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: 4.31

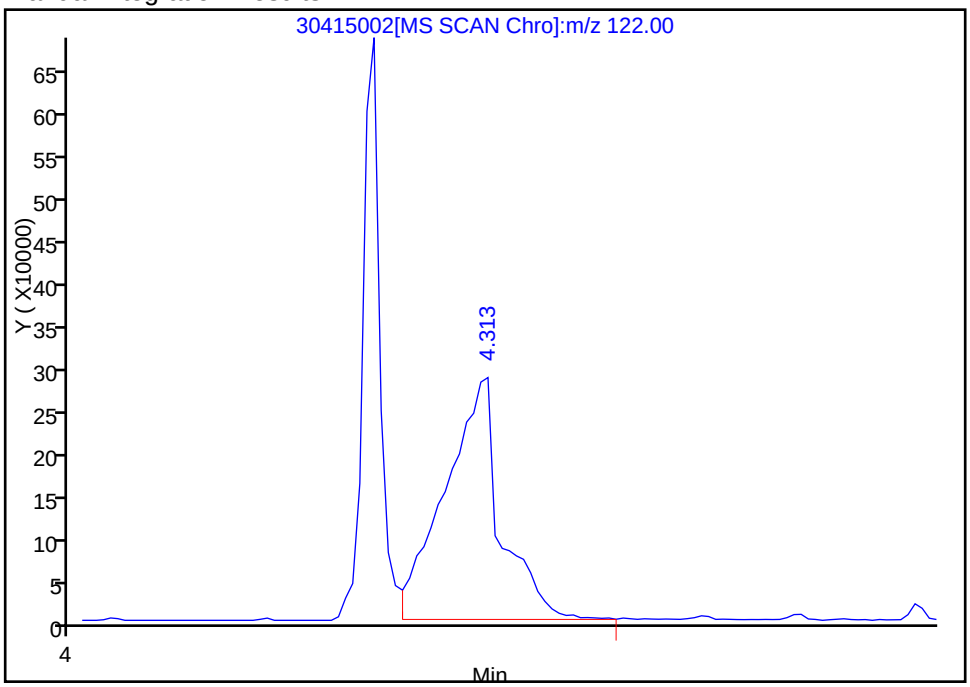
Processing Integration Results

RT: 4.31
Response: 546983
Amount: 12.545992



Manual Integration Results

RT: 4.31
Response: 830259
Amount: 19.043412



Reviewer: ulmanm, 15-Apr-2013 10:30:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/15/2013 17:21

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9679			0.116	0.100		
2-Methylnaphthalene	Ave	0.6087			0.111	0.100		
1-Methylnaphthalene	Ave	0.5630			0.123	0.100		
1,1'-Biphenyl	Ave	1.327			0.129	0.100		
2-Chloronaphthalene	Ave	0.9836			0.117	0.100		
Acenaphthylene	Ave	1.588			0.117	0.100		
Acenaphthene	Ave	0.9609			0.121	0.100		
Fluorene	Ave	1.127			0.129	0.100		
Hexachlorobenzene	Ave	0.1580			0.130	0.100		
Phenanthrene	Ave	0.9947			0.121	0.100		
Anthracene	Ave	1.001			0.127	0.100		
Fluoranthene	Ave	1.068			0.130	0.100		
Pyrene	Ave	1.068			0.125	0.100		
Benzo[a]anthracene	Ave	1.015			0.142	0.100		
Chrysene	Ave	0.9545			0.128	0.100		
Benzo[b]fluoranthene	Ave	1.121			0.133	0.100		
Benzo[k]fluoranthene	Ave	1.163			0.134	0.100		
Benzo[a]pyrene	Ave	1.047			0.131	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.114			0.127	0.100		
Dibenz(a,h)anthracene	Ave	0.9324			0.134	0.100		
Benzo[g,h,i]perylene	Ave	0.9363			0.137	0.100		
1,2,4,5-Tetrachlorobenzene	Ave	0.4277			0.000550	0.100		
1,2,4-Trichlorobenzene	Ave	0.2664			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.340			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.400			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.425			0.000800	0.100		
1,4-Dioxane	Ave	0.8284			0.000800	0.100		
2,3,4,6-Tetrachlorophenol	Ave	0.2651			0.000580	0.100		
2,4,5-Trichlorophenol	Ave	0.3097			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.2985			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2460			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.4055			0.000800	0.100		
2,4-Dinitrophenol	Ave	0.1626			0.00240	0.200		
2,4-Dinitrotoluene	Ave	0.3423			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/15/2013 17:21

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2588			0.000800	0.100		
2-Chlorophenol	Ave	1.366			0.000800	0.100		
2-Methylphenol	Ave	1.625			0.000800	0.100		
2-Nitroaniline	Ave	0.5349			0.000800	0.100		
2-Nitrophenol	Ave	0.1685			0.000800	0.100		
3 & 4 Methylphenol	Ave	1.727			0.000800	0.100		
3,3'-Dichlorobenzidine	Ave	0.3364			0.000800	0.200		
3-Nitroaniline	Ave	0.3096			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Ave	0.1297			0.00240	0.200		
4-Bromophenyl phenyl ether	Ave	0.1638			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.3682			0.000800	0.100		
4-Chloroaniline	Ave	0.4092			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.5393			0.000800	0.100		
4-Nitroaniline	Ave	0.3079			0.000800	0.100		
4-Nitrophenol	Ave	0.2557			0.00240	0.200		
Acetophenone	Ave	2.603			0.000800	0.100		
Aniline	Ave	3.328			0.00240	0.100		
Atrazine	Ave	0.1891			0.000800	0.200		
Azobenzene	Ave	1.295			0.000810	0.100		
Benzaldehyde	Ave	2.002			0.000800	0.200		
Benzidine	Ave	0.4459			0.00240	0.200		
Benzoic acid	Ave	0.2254			0.0100	0.200		
Benzyl alcohol	Ave	1.196			0.000800	0.100		
bis (2-chloroisopropyl) ether	Ave	2.242			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.5641			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	2.201			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.6742			0.000800	0.100		
Butyl benzyl phthalate	Ave	0.4928			0.000800	0.100		
Caprolactam	Ave	0.1289			0.000800	0.200		
Carbazole	Ave	0.9101			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/15/2013 17:21

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.393			0.000100	0.100		
Diethyl phthalate	Ave	1.094			0.000800	0.100		
Dimethyl phthalate	Ave	1.127			0.000800	0.100		
Di-n-butyl phthalate	Ave	1.142			0.000800	0.100		
Di-n-octyl phthalate	Ave	1.447			0.000800	0.100		
Hexachlorobutadiene	Ave	0.1514			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3001			0.000800	0.100		
Hexachloroethane	Ave	0.7107			0.000800	0.100		
Isophorone	Ave	1.006			0.000800	0.100		
Nitrobenzene	Ave	0.5954			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.522			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.846			0.000800	0.100		
N-Nitrosodiphenylamine	Ave	0.4636			0.000800	0.200		
Pentachlorophenol	Ave	0.1018			0.00240	0.200		
Phenol	Ave	2.463			0.000800	0.100		
Pyridine	Ave	2.456			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.6205			0.154	0.100	154*	35-100
2-Fluorobiphenyl (Surr)	Lin1				0.0936	0.100	94	45-105
Terphenyl-d14 (Surr)	Lin1				0.118	0.100	118	30-125
2,4,6-Tribromophenol (Surr)	Ave	0.1284			0.000000	0.100	0*	35-125
2-Fluorophenol (Surr)	Ave	1.742			0.000000	0.100	0*	35-105
Phenol-d5 (Surr)	Ave	2.434			0.000000	0.100	0*	40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415024.D
Lims ID: mdll1 Client ID:
Inject. Date: 15-Apr-2013 17:21:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018860-024
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 81882 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 17:13:54 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 09:20:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.513	3.517	-0.004	93	189782	4.00	
* 2 Naphthalene-d8	136	4.528	4.527	0.001	99	793175	4.00	
* 3 Acenaphthene-d10	164	5.986	5.985	0.001	86	474008	4.00	
* 4 Phenanthrene-d10	188	7.236	7.235	0.001	97	796062	4.00	
* 5 Chrysene-d12	240	9.458	9.463	-0.005	80	847093	4.00	
* 6 Perylene-d12	264	10.794	10.793	0.001	96	714197	4.00	
$ 7 2-Fluorophenol	112		2.555					
$ 8 Phenol-d5	99		3.202					
$ 9 Nitrobenzene-d5	82	3.940	3.944	-0.004	75	18938	0.1539	
$ 10 2-Fluorobiphenyl (Surr)	172	5.409	5.408	0.001	81	18607	0.0936	
$ 11 2,4,6-Tribromophenol	330		6.647					9
$ 12 Terphenyl-d14	244	8.566	8.565	0.001	84	25884	0.1175	
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.556					
26 N-Nitrosodimethylamine	74		1.733					
27 Pyridine	79		1.759					
28 Ethyl methacrylate	69		2.103					
31 2-Picoline	93		2.270					9
29 3-Chloropropionitrile	54		2.284					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					9
41 Benzaldehyde	77		3.191					
43 Phenol	94		3.212					
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93		3.266					
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93		3.293					
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128		3.357					
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146		3.528					
42 Phenylmercaptan	110		3.596					9
49 Benzyl alcohol	108		3.608					
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					
53 2,2'-oxybis[1-chloropropane]	45		3.704					
52 Indene	115		3.720					
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					
58 Acetophenone	105		3.821					
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					
61 Hexachloroethane	117		3.918					
60 2-Toluidine	106		3.921					9
62 Nitrobenzene	77		3.960					
64 Isophorone	82		4.147					
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139		4.211					9
65 2,4-Dimethylphenol	107		4.227					
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122		4.313					9
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162		4.404					9
74 1,2,4-Trichlorobenzene	180		4.473					
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128	4.544	4.548	-0.004	80	22268	0.1160	
76 4-Chloroaniline	127		4.575					
24 Catechol	110		4.592					9
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225		4.633					
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113		4.879					
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.915					
85 p-Phenylene diamine	108		4.936					
86 4-Chloro-3-methylphenol	107		4.970					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142	5.110	5.114	-0.004	80	13443	0.1114	
88 1-Methylnaphthalene	142	5.195	5.194	0.001	72	13755	0.1232	
89 Hexachlorocyclopentadiene	237		5.242					9
91 1,2,4,5-Tetrachlorobenzene	216		5.253					
92 2,4,6-Trichlorophenol	196		5.339					9
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196		5.376					9
98 1,1'-Biphenyl	154	5.495	5.499	-0.004	88	20310	0.1291	
100 2-Chloronaphthalene	162	5.521	5.520	0.001	88	13687	0.1174	
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					
102 2-Nitroaniline	65		5.595					9
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163		5.739					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165		5.793					9
109 Acenaphthylene	152	5.869	5.867	0.002	86	21965	0.1167	
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153	6.013	6.012	0.001	77	13750	0.1207	
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					9
114 2,4-Dinitrotoluene	165		6.129					9
116 Dibenzofuran	168		6.156					
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232		6.252					9
117 1-Naphthylamine	143		6.293					
118 2,3,5,6-Tetrachlorophenol	232		6.293					9
121 Diethyl phthalate	149		6.332					
120 2-Naphthylamine	143		6.357					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166	6.445	6.444	0.001	75	17216	0.1289	
125 4-Nitroaniline	138		6.450					9
122 Thionazin	97		6.469					
128 4,6-Dinitro-2-methylphenol	198		6.476					
124 N-Nitro-o-toluidine	152		6.517					9
131 N-Nitrosodiphenylamine	169		6.535					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77		6.573					
132 1,2-Diphenylhydrazine	77		6.573					
130 Diphenylamine	169		6.603					
127 Tributyl phosphate	99		6.615					
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					9
139 4-Bromophenyl phenyl ether	248		6.850					
137 Phenacetin	108		6.854					
138 Phorate	121		6.854					9
141 Hexachlorobenzene	284	6.905	6.909	-0.004	52	4095	0.1302	
230 Diallate Peak 2	86		6.918					9
142 Atrazine	200		6.973					
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266		7.069					
129 4-Aminobiphenyl	169		7.137					
145 Pentachloronitrobenzene	237		7.153					
144 Pronamide	173		7.174					
148 Phenanthrene	178	7.252	7.256	-0.004	86	23980	0.1211	
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178	7.295	7.299	-0.004	84	25318	0.1271	
151 Carbazole	167		7.427					
150 DFTPP								
152 Methyl parathion	109		7.602					
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149		7.700					
155 Ethyl Parathion	97		7.928					
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					
159 Fluoranthene	202	8.256	8.255	0.001	94	27606	0.1299	
160 Benzidine	184		8.357					
161 Pyrene	202	8.449	8.453	-0.004	90	28349	0.1254	
166 4,4'-DDE	246		8.542					
226 Aramite Peak 1	185		8.606					9
229 Aramite Peak 2	185		8.670					9
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149		8.961					
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149		9.431					
177 Benzo[a]anthracene	228	9.448	9.452	-0.004	80	30592	0.1423	
178 Chrysene	228	9.480	9.484	-0.004	80	25895	0.1281	
174 4,4'-Methylene bis(2-chloroanili	231		9.488					9
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252	10.388	10.392	-0.004	86	26535	0.1325	
183 Benzo[k]fluoranthene	252	10.415	10.419	-0.004	80	27749	0.1336	
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252	10.735	10.739	-0.004	60	24414	0.1306	
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276	12.183	12.193	-0.010	86	25171	0.1266	
189 Dibenz(a,h)anthracene	278	12.204	12.209	-0.005	26	22247	0.1336	
190 Benzo[g,h,i]perylene	276	12.610	12.620	-0.010	77	22864	0.1368	
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					
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					
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

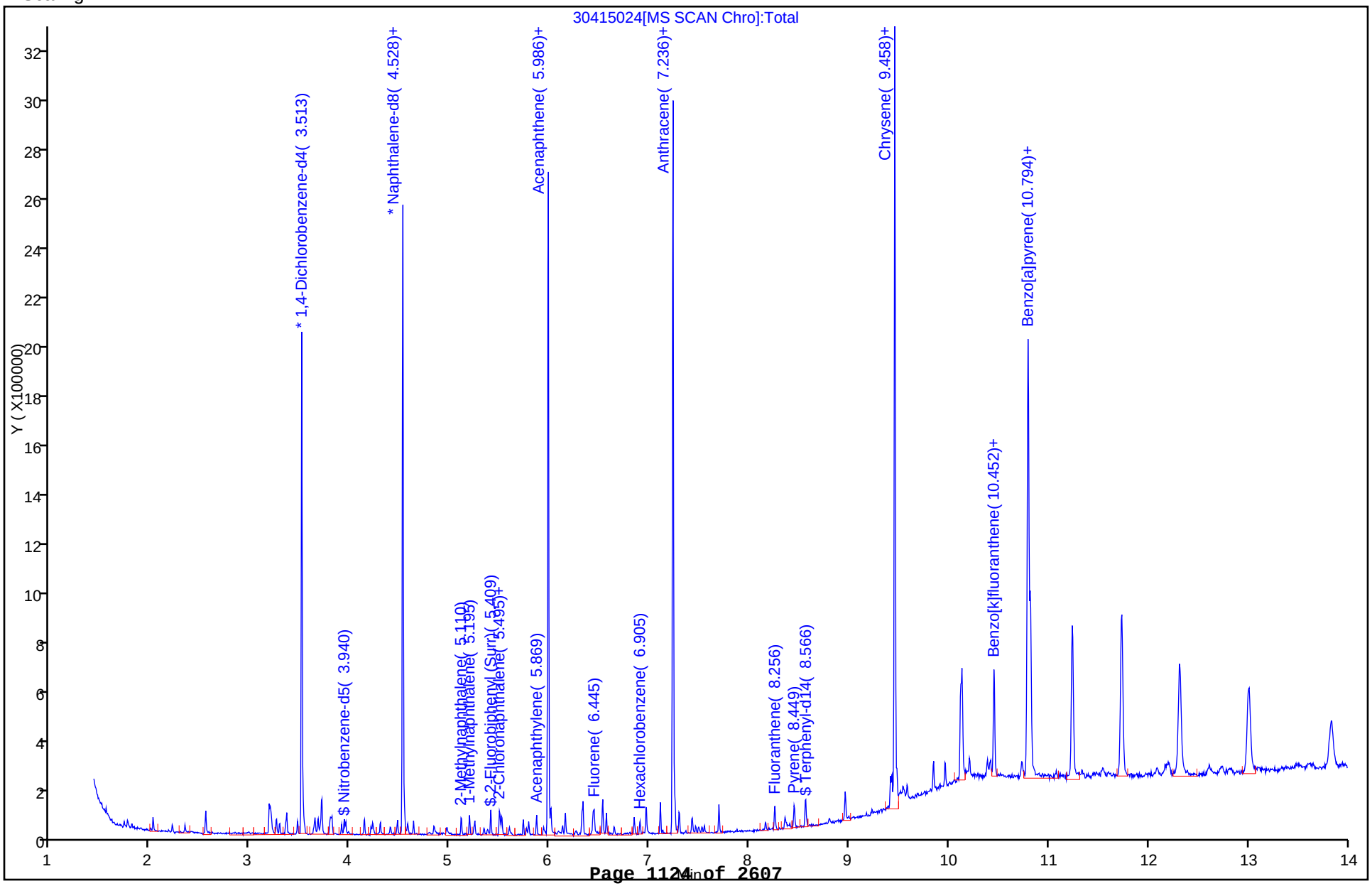
Report Date: 16-Apr-2013 17:14:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415024.D

Injection Date:	15-Apr-2013 17:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	24
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.: 240-22488-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/15/2013 17:40

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8284			0.469	0.500		
N-Nitrosodimethylamine	Ave	1.522			0.463	0.500		
Pyridine	Ave	2.456			0.434	0.500		
Benzaldehyde	Ave	2.002			0.939	1.00		
Phenol	Ave	2.463			0.453	0.500		
Aniline	Ave	3.328			0.450	0.500		
Bis(2-chloroethyl)ether	Ave	2.201			0.532	0.500		
2-Chlorophenol	Ave	1.366			0.483	0.500		
1,3-Dichlorobenzene	Ave	1.400			0.500	0.500		
1,4-Dichlorobenzene	Ave	1.425			0.463	0.500		
1,2-Dichlorobenzene	Ave	1.340			0.503	0.500		
2-Methylphenol	Ave	1.625			0.592	0.500		
bis (2-chloroisopropyl) ether	Ave	2.242			0.504	0.500		
3 & 4 Methylphenol	Ave	1.727			0.485	0.500		
N-Nitrosodi-n-propylamine	Ave	1.846			0.456	0.500		
Acetophenone	Ave	2.603			0.494	0.500		
Hexachloroethane	Ave	0.7107			0.467	0.500		
Nitrobenzene	Ave	0.5954			0.477	0.500		
Isophorone	Ave	1.006			0.481	0.500		
2-Nitrophenol	Ave	0.1685			0.438	0.500		
2,4-Dimethylphenol	Ave	0.4055			0.492	0.500		
Bis(2-chloroethoxy)methane	Ave	0.5641			0.479	0.500		
2,4-Dichlorophenol	Ave	0.2460			0.407	0.500		
1,2,4-Trichlorobenzene	Ave	0.2664			0.508	0.500		
4-Chloroaniline	Ave	0.4092			0.436	0.500		
Hexachlorobutadiene	Ave	0.1514			0.524	0.500		
Caprolactam	Ave	0.1289			0.652	1.00		
4-Chloro-3-methylphenol	Ave	0.3682			0.420	0.500		
Hexachlorocyclopentadiene	Ave	0.3001			0.321	0.500		
1,2,4,5-Tetrachlorobenzene	Ave	0.4277			0.528	0.500		
2,4,6-Trichlorophenol	Ave	0.2985			0.349	0.500		
2,4,5-Trichlorophenol	Ave	0.3097			0.434	0.500		
2-Nitroaniline	Ave	0.5349			0.411	0.500		
Dimethyl phthalate	Ave	1.127			0.510	0.500		
2,6-Dinitrotoluene	Ave	0.2588			0.425	0.500		
3-Nitroaniline	Ave	0.3096			0.455	0.500		
4-Nitrophenol	Ave	0.2557			0.410	1.00		
2,4-Dinitrotoluene	Ave	0.3423			0.420	0.500		
Dibenzofuran	Ave	1.393			0.505	0.500		
Diethyl phthalate	Ave	1.094			0.567	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/15/2013 17:40

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chlorophenyl phenyl ether	Ave	0.5393			0.512	0.500		
4-Nitroaniline	Ave	0.3079			0.472	0.500		
N-Nitrosodiphenylamine	Ave	0.4636			1.04	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295			0.467	0.500		
Azobenzene	Ave	1.295			0.463	0.500		
4-Bromophenyl phenyl ether	Ave	0.1638			0.465	0.500		
Atrazine	Ave	0.1891			1.00	1.00		
Carbazole	Ave	0.9101			0.488	0.500		
Di-n-butyl phthalate	Ave	1.142			0.515	0.500		
Benzidine	Ave	0.4459			0.989	1.00		
Butyl benzyl phthalate	Ave	0.4928			0.483	0.500		
3,3'-Dichlorobenzidine	Ave	0.3364			0.946	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.6742			0.492	0.500		
Di-n-octyl phthalate	Ave	1.447			0.459	0.500		
1,1'-Biphenyl	Ave	1.327			0.000800	0.500		
1-Methylnaphthalene	Ave	0.5630			0.000100	0.500		
2,3,4,6-Tetrachlorophenol	Ave	0.2651			0.000580	0.500		
2,4-Dinitrophenol	Ave	0.1626			0.00240	1.00		
2-Chloronaphthalene	Ave	0.9836			0.000100	0.500		
2-Methylnaphthalene	Ave	0.6087			0.000100	0.500		
4,6-Dinitro-2-methylphenol	Ave	0.1297			0.00240	1.00		
Acenaphthene	Ave	0.9609			0.000100	0.500		
Acenaphthylene	Ave	1.588			0.000100	0.500		
Anthracene	Ave	1.001			0.000100	0.500		
Benzo[a]anthracene	Ave	1.015			0.000100	0.500		
Benzo[a]pyrene	Ave	1.047			0.000100	0.500		
Benzo[b]fluoranthene	Ave	1.121			0.000100	0.500		
Benzo[g,h,i]perylene	Ave	0.9363			0.000100	0.500		
Benzo[k]fluoranthene	Ave	1.163			0.000100	0.500		
Benzoic acid	Ave	0.2254			0.0100	1.00		
Benzyl alcohol	Ave	1.196			0.000800	0.500		
Chrysene	Ave	0.9545			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	0.9324			0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/15/2013 17:40

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoranthene	Ave	1.068			0.000100	0.500		
Fluorene	Ave	1.127			0.000100	0.500		
Hexachlorobenzene	Ave	0.1580			0.000100	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.114			0.000100	0.500		
Naphthalene	Ave	0.9679			0.000100	0.500		
Pentachlorophenol	Ave	0.1018			0.00240	1.00		
Phenanthrene	Ave	0.9947			0.000100	0.500		
Pyrene	Ave	1.068			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.742			0.550	0.500	110*	35-105
Phenol-d5 (Surr)	Ave	2.434			0.507	0.500	101*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1284			0.400	0.500	80	35-125
2-Fluorobiphenyl (Surr)	Lin1				0.000000	0.500	0*	45-105
Nitrobenzene-d5 (Surr)	Ave	0.6205			0.000000	0.500	0*	35-100
Terphenyl-d14 (Surr)	Lin1				0.000000	0.500	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415025.D
Lims ID: mdll2 Client ID:
Inject. Date: 15-Apr-2013 17:40:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018860-025
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 81882 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 17:13:54 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 09:25:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.515	3.517	-0.002	95	147910	4.00	M
* 2 Naphthalene-d8	136	4.525	4.527	-0.002	98	629593	4.00	
* 3 Acenaphthene-d10	164	5.984	5.985	-0.001	80	350883	4.00	
* 4 Phenanthrene-d10	188	7.234	7.235	-0.001	97	617926	4.00	
* 5 Chrysene-d12	240	9.461	9.463	-0.002	79	649644	4.00	
* 6 Perylene-d12	264	10.797	10.793	0.004	97	542236	4.00	
$ 7 2-Fluorophenol	112	2.549	2.555	-0.006	86	35460	0.5504	
$ 8 Phenol-d5	99	3.200	3.202	-0.002	93	45651	0.5072	
$ 9 Nitrobenzene-d5	82		3.944					
$ 10 2-Fluorobiphenyl (Surr)	172		5.408					
$ 11 2,4,6-Tribromophenol	330	6.646	6.647	-0.001	49	4500	0.3997	
$ 12 Terphenyl-d14	244		8.565					
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.555	1.556	-0.001	89	14360	0.4688	
26 N-Nitrosodimethylamine	74	1.731	1.733	-0.002	79	26087	0.4635	
27 Pyridine	79	1.763	1.759	0.004	91	39397	0.4338	
28 Ethyl methacrylate	69		2.103					9
31 2-Picoline	93		2.270					9
29 3-Chloropropionitrile	54		2.284					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					
41 Benzaldehyde	77	3.184	3.191	-0.007	87	69518	0.9389	
43 Phenol	94	3.206	3.212	-0.006	88	41266	0.4531	
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93	3.259	3.266	-0.007	96	55401	0.4501	
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93	3.291	3.293	-0.002	90	43306	0.5320	
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128	3.350	3.357	-0.007	83	24396	0.4830	
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146	3.473	3.474	-0.001	87	25894	0.5002	
48 1,4-Dichlorobenzene	146	3.526	3.528	-0.002	69	24413	0.4634	
42 Phenylmercaptan	110		3.596					9
49 Benzyl alcohol	108		3.608					
50 1,2-Dichlorobenzene	146	3.644	3.645	-0.001	77	24905	0.5027	
51 2-Methylphenol	108	3.676	3.677	-0.001	89	35576	0.5920	
53 2,2'-oxybis[1-chloropropane]	45	3.702	3.704	-0.002	91	41820	0.5045	
52 Indene	115	3.713	3.720	-0.007	80	111458	1.05	
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108	3.793	3.800	-0.007	91	30983	0.4852	
57 N-Nitrosodi-n-propylamine	70	3.804	3.811	-0.007	77	31159	0.4564	
58 Acetophenone	105	3.815	3.821	-0.006	82	47576	0.4943	
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					
61 Hexachloroethane	117	3.911	3.918	-0.007	88	12261	0.4666	
60 2-Toluidine	106		3.921					
62 Nitrobenzene	77	3.954	3.960	-0.006	73	44684	0.4768	
64 Isophorone	82	4.141	4.147	-0.007	95	76180	0.4812	
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139	4.210	4.211	-0.001	81	11610	0.4377	
65 2,4-Dimethylphenol	107	4.226	4.227	-0.001	88	31432	0.4925	
70 Bis(2-chloroethoxy)methane	93	4.301	4.302	-0.001	96	42541	0.4792	
71 Benzoic acid	122		4.313					
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162	4.402	4.404	-0.002	82	15746	0.4066	
74 1,2,4-Trichlorobenzene	180	4.472	4.473	-0.001	84	21295	0.5078	
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128		4.548					
76 4-Chloroaniline	127	4.573	4.575	-0.002	71	28052	0.4356	
24 Catechol	110		4.592					9
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225	4.637	4.633	0.004	84	12483	0.5238	
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113	4.840	4.879	-0.039	73	13234	0.6522	
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.915					
85 p-Phenylene diamine	108		4.936					9
86 4-Chloro-3-methylphenol	107	4.969	4.970	-0.001	83	24320	0.4196	
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142		5.114					
88 1-Methylnaphthalene	142		5.194					
89 Hexachlorocyclopentadiene	237	5.241	5.242	-0.001	70	8449	0.3209	
91 1,2,4,5-Tetrachlorobenzene	216	5.246	5.253	-0.007	88	19813	0.5280	
92 2,4,6-Trichlorophenol	196	5.342	5.339	0.003	71	9145	0.3493	
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196	5.375	5.376	-0.001	78	11803	0.4345	
98 1,1'-Biphenyl	154		5.499					
100 2-Chloronaphthalene	162		5.520					
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					9
102 2-Nitroaniline	65	5.594	5.595	-0.001	59	19287	0.4110	
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163	5.732	5.739	-0.007	91	50439	0.5104	
106 1,3-Dinitrobenzene	168	5.765	5.771	-0.006	76	6475	0.3819	
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165	5.791	5.793	-0.002	54	9648	0.4250	
109 Acenaphthylene	152		5.867					
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138	5.935	5.937	-0.002	81	12361	0.4552	
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109	6.080	6.070	0.010	61	9205	0.4103	
114 2,4-Dinitrotoluene	165	6.128	6.129	-0.001	67	12617	0.4202	
116 Dibenzofuran	168	6.154	6.156	-0.002	77	61657	0.5045	
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232		6.252					9
117 1-Naphthylamine	143		6.293					
118 2,3,5,6-Tetrachlorophenol	232	6.256	6.293	-0.037	51	6712	0.3118	
121 Diethyl phthalate	149	6.325	6.332	-0.007	91	54401	0.5670	
120 2-Naphthylamine	143		6.357					
123 4-Chlorophenyl phenyl ether	204	6.432	6.434	-0.002	84	24244	0.5125	
126 Fluorene	166		6.444					
125 4-Nitroaniline	138	6.448	6.450	-0.002	50	12747	0.4720	
122 Thionazin	97		6.469					9
128 4,6-Dinitro-2-methylphenol	198		6.476					9
124 N-Nitro-o-toluidine	152		6.517					9
131 N-Nitrosodiphenylamine	169	6.528	6.535	-0.007	96	74699	1.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77	6.566	6.573	-0.007	94	92670	0.4632	
132 1,2-Diphenylhydrazine	77	6.566	6.573	-0.007	99	93495	0.4673	
130 Diphenylamine	169	6.528	6.603	-0.075	88	74699	0.8241	
127 Tributyl phosphate	99		6.615					
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					
139 4-Bromophenyl phenyl ether	248	6.849	6.850	-0.001	74	11758	0.4646	
137 Phenacetin	108		6.854					9
138 Phorate	121		6.854					
141 Hexachlorobenzene	284		6.909					
230 Diallate Peak 2	86		6.918					
142 Atrazine	200	6.967	6.973	-0.007	80	29210	1.00	
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266		7.069					
129 4-Aminobiphenyl	169		7.137					
145 Pentachloronitrobenzene	237		7.153					
144 Pronamide	173		7.174					
148 Phenanthrene	178		7.256					
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178		7.299					
151 Carbazole	167	7.426	7.427	-0.001	81	68646	0.4882	
150 DFTPP								
152 Methyl parathion	109		7.602					
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149	7.698	7.700	-0.002	98	90906	0.5151	
155 Ethyl Parathion	97		7.928					9
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					9
159 Fluoranthene	202		8.255					
160 Benzidine	184	8.355	8.357	-0.002	92	71651	0.9894	
161 Pyrene	202		8.453					
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					9
229 Aramite Peak 2	185		8.670					9
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149	8.959	8.961	-0.002	83	38622	0.4826	
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252	9.419	9.420	-0.001	68	51700	0.9464	
173 Bis(2-ethylhexyl) phthalate	149	9.429	9.431	-0.002	93	53922	0.4925	
177 Benzo[a]anthracene	228		9.452					
178 Chrysene	228		9.484					
174 4,4'-Methylene bis(2-chloroanili	231		9.488					
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149	9.963	9.965	-0.002	97	89978	0.4586	
182 Benzo[b]fluoranthene	252		10.392					
183 Benzo[k]fluoranthene	252		10.419					
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252		10.739					
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276		12.193					
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276		12.620					
S 191 Methyl Phenols,Total	100				0		1.08	
S 245 Total Cresols	100				0		1.08	
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					
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					
T 197 Hexachlorophene TIC	198		13.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

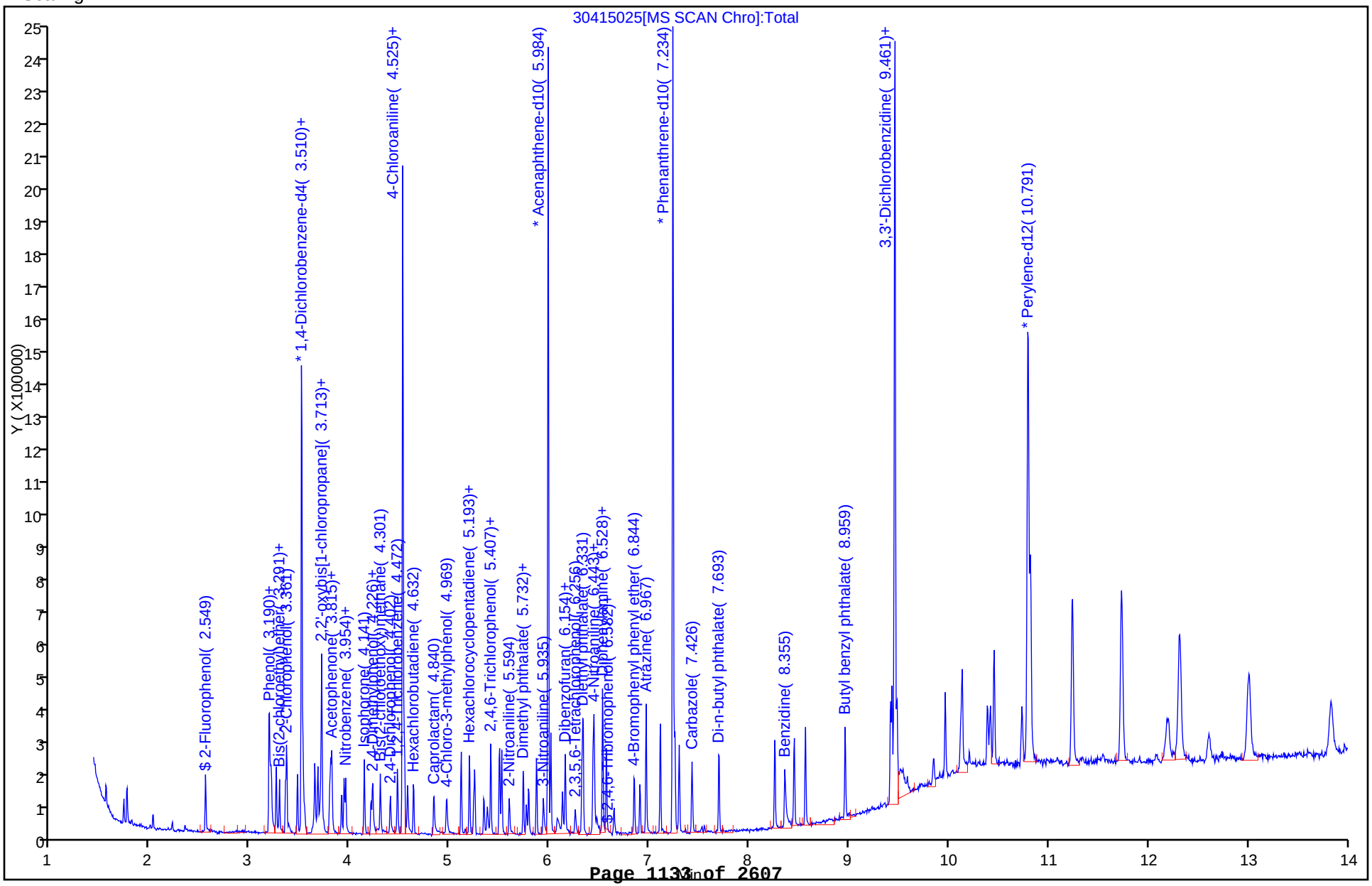
Report Date: 16-Apr-2013 17:14:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415025.D

Injection Date:	15-Apr-2013 17:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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.: 240-22488-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/15/2013 18:00

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.2254			0.593	2.00		
4,6-Dinitro-2-methylphenol	Ave	0.1297			0.742	2.00		
1,1'-Biphenyl	Ave	1.327			0.000800	1.00		
1,2,4,5-Tetrachlorobenzene	Ave	0.4277			0.000550	1.00		
1,2,4-Trichlorobenzene	Ave	0.2664			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.340			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.400			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.425			0.000800	1.00		
1,4-Dioxane	Ave	0.8284			0.000800	1.00		
1-Methylnaphthalene	Ave	0.5630			0.000100	1.00		
2,3,4,6-Tetrachlorophenol	Ave	0.2651			0.000580	1.00		
2,4,5-Trichlorophenol	Ave	0.3097			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.2985			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2460			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.4055			0.000800	1.00		
2,4-Dinitrophenol	Ave	0.1626			0.00240	2.00		
2,4-Dinitrotoluene	Ave	0.3423			0.000800	1.00		
2,6-Dinitrotoluene	Ave	0.2588			0.000800	1.00		
2-Chloronaphthalene	Ave	0.9836			0.000100	1.00		
2-Chlorophenol	Ave	1.366			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6087			0.000100	1.00		
2-Methylphenol	Ave	1.625			0.000800	1.00		
2-Nitroaniline	Ave	0.5349			0.000800	1.00		
2-Nitrophenol	Ave	0.1685			0.000800	1.00		
3 & 4 Methylphenol	Ave	1.727			0.000800	1.00		
3,3'-Dichlorobenzidine	Ave	0.3364			0.000800	2.00		
3-Nitroaniline	Ave	0.3096			0.000800	1.00		
4-Bromophenyl phenyl ether	Ave	0.1638			0.000800	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/15/2013 18:00

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415026.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	0.3682			0.000800	1.00		
4-Chloroaniline	Ave	0.4092			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.5393			0.000800	1.00		
4-Nitroaniline	Ave	0.3079			0.000800	1.00		
4-Nitrophenol	Ave	0.2557			0.00240	2.00		
Acenaphthene	Ave	0.9609			0.000100	1.00		
Acenaphthylene	Ave	1.588			0.000100	1.00		
Acetophenone	Ave	2.603			0.000800	1.00		
Aniline	Ave	3.328			0.00240	1.00		
Anthracene	Ave	1.001			0.000100	1.00		
Atrazine	Ave	0.1891			0.000800	2.00		
Azobenzene	Ave	1.295			0.000810	1.00		
Benzaldehyde	Ave	2.002			0.000800	2.00		
Benzidine	Ave	0.4459			0.00240	2.00		
Benzo[a]anthracene	Ave	1.015			0.000100	1.00		
Benzo[a]pyrene	Ave	1.047			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.121			0.000100	1.00		
Benzo[g,h,i]perylene	Ave	0.9363			0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.163			0.000100	1.00		
Benzyl alcohol	Ave	1.196			0.000800	1.00		
bis (2-chloroisopropyl) ether	Ave	2.242			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.5641			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	2.201			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.6742			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.4928			0.000800	1.00		
Caprolactam	Ave	0.1289			0.000800	2.00		
Carbazole	Ave	0.9101			0.000800	1.00		
Chrysene	Ave	0.9545			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	0.9324			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/15/2013 18:00

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.393			0.000100	1.00		
Diethyl phthalate	Ave	1.094			0.000800	1.00		
Dimethyl phthalate	Ave	1.127			0.000800	1.00		
Di-n-butyl phthalate	Ave	1.142			0.000800	1.00		
Di-n-octyl phthalate	Ave	1.447			0.000800	1.00		
Fluoranthene	Ave	1.068			0.000100	1.00		
Fluorene	Ave	1.127			0.000100	1.00		
Hexachlorobenzene	Ave	0.1580			0.000100	1.00		
Hexachlorobutadiene	Ave	0.1514			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3001			0.000800	1.00		
Hexachloroethane	Ave	0.7107			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.114			0.000100	1.00		
Isophorone	Ave	1.006			0.000800	1.00		
Naphthalene	Ave	0.9679			0.000100	1.00		
Nitrobenzene	Ave	0.5954			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.522			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.846			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.4636			0.000800	2.00		
Pentachlorophenol	Ave	0.1018			0.00240	2.00		
Phenanthrene	Ave	0.9947			0.000100	1.00		
Phenol	Ave	2.463			0.000800	1.00		
Pyrene	Ave	1.068			0.000100	1.00		
Pyridine	Ave	2.456			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1284			0.000000	1.00	0*	35-125
2-Fluorobiphenyl (Surr)	Lin1				0.000000	1.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.742			0.000000	1.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6205			0.000000	1.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.434			0.000000	1.00	0*	40-100
Terphenyl-d14 (Surr)	Lin1				0.000000	1.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415026.D
Lims ID: mdll3 Client ID:
Inject. Date: 15-Apr-2013 18:00:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018860-026
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 81882 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 17:13:54 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 09:36:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.515	3.517	-0.002	95	140694	4.00	
* 2 Naphthalene-d8	136	4.525	4.527	-0.002	98	600549	4.00	
* 3 Acenaphthene-d10	164	5.983	5.985	-0.002	76	348343	4.00	
* 4 Phenanthrene-d10	188	7.233	7.235	-0.002	98	600511	4.00	
* 5 Chrysene-d12	240	9.461	9.463	-0.002	80	612515	4.00	
* 6 Perylene-d12	264	10.796	10.793	0.003	98	514044	4.00	
$ 7 2-Fluorophenol	112		2.555					
$ 8 Phenol-d5	99		3.202					
$ 9 Nitrobenzene-d5	82		3.944					
$ 10 2-Fluorobiphenyl (Surr)	172		5.408					
$ 11 2,4,6-Tribromophenol	330		6.647					
$ 12 Terphenyl-d14	244		8.565					
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.556					
26 N-Nitrosodimethylamine	74		1.733					
27 Pyridine	79		1.759					
28 Ethyl methacrylate	69		2.103					9
31 2-Picoline	93		2.270					
29 3-Chloropropionitrile	54		2.284					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					9
30 3-Picoline	93		2.646					9
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					
41 Benzaldehyde	77		3.191					
43 Phenol	94		3.212					
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93		3.266					
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93		3.293					
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128		3.357					
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146		3.528					
42 Phenylmercaptan	110		3.596					9
49 Benzyl alcohol	108		3.608					M
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					
53 2,2'-oxybis[1-chloropropane]	45		3.704					
52 Indene	115		3.720					
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					
58 Acetophenone	105		3.821					
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					9
61 Hexachloroethane	117		3.918					
60 2-Toluidine	106		3.921					
62 Nitrobenzene	77		3.960					
64 Isophorone	82		4.147					
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139		4.211					
65 2,4-Dimethylphenol	107		4.227					
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122	4.268	4.313	-0.045	66	20086	0.5935	
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162		4.404					
74 1,2,4-Trichlorobenzene	180		4.473					
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128		4.548					
76 4-Chloroaniline	127		4.575					
24 Catechol	110		4.592					9
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225		4.633					
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113		4.879					
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.915					9
85 p-Phenylene diamine	108		4.936					9
86 4-Chloro-3-methylphenol	107		4.970					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142		5.114					
88 1-Methylnaphthalene	142		5.194					
89 Hexachlorocyclopentadiene	237		5.242					
91 1,2,4,5-Tetrachlorobenzene	216		5.253					
92 2,4,6-Trichlorophenol	196		5.339					
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196		5.376					
98 1,1'-Biphenyl	154		5.499					
100 2-Chloronaphthalene	162		5.520					
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					9
102 2-Nitroaniline	65		5.595					
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163		5.739					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165		5.793					
109 Acenaphthylene	152		5.867					
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232		6.252					
117 1-Naphthylamine	143		6.293					
118 2,3,5,6-Tetrachlorophenol	232		6.293					
121 Diethyl phthalate	149		6.332					
120 2-Naphthylamine	143		6.357					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					
125 4-Nitroaniline	138		6.450					
122 Thionazin	97		6.469					
128 4,6-Dinitro-2-methylphenol	198	6.469	6.476	-0.007	42	14447	0.7420	M
124 N-Nitro-o-toluidine	152		6.517					9
131 N-Nitrosodiphenylamine	169		6.535					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77		6.573					
132 1,2-Diphenylhydrazine	77		6.573					
130 Diphenylamine	169		6.603					
127 Tributyl phosphate	99		6.615					
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					9
139 4-Bromophenyl phenyl ether	248		6.850					
137 Phenacetin	108		6.854					9
138 Phorate	121		6.854					
141 Hexachlorobenzene	284		6.909					
230 Diallate Peak 2	86		6.918					
142 Atrazine	200		6.973					
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266		7.069					M
129 4-Aminobiphenyl	169		7.137					9
145 Pentachloronitrobenzene	237		7.153					
144 Pronamide	173		7.174					
148 Phenanthrene	178		7.256					
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178		7.299					
151 Carbazole	167		7.427					
150 DFTPP								
152 Methyl parathion	109		7.602					9
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149		7.700					
155 Ethyl Parathion	97		7.928					9
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					
159 Fluoranthene	202		8.255					
160 Benzidine	184		8.357					
161 Pyrene	202		8.453					
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					9
229 Aramite Peak 2	185		8.670					9
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149		8.961					
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149		9.431					
177 Benzo[a]anthracene	228		9.452					
178 Chrysene	228		9.484					
174 4,4'-Methylene bis(2-chloroanili	231		9.488					
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252		10.392					
183 Benzo[k]fluoranthene	252		10.419					
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252		10.739					
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276		12.193					
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276		12.620					
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					
T 235 4-isopropylphenol TIC	121		4.700					
T 236 3-isopropylphenol TIC	121		4.700					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
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					
T 197 Hexachlorophene TIC	198		13.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

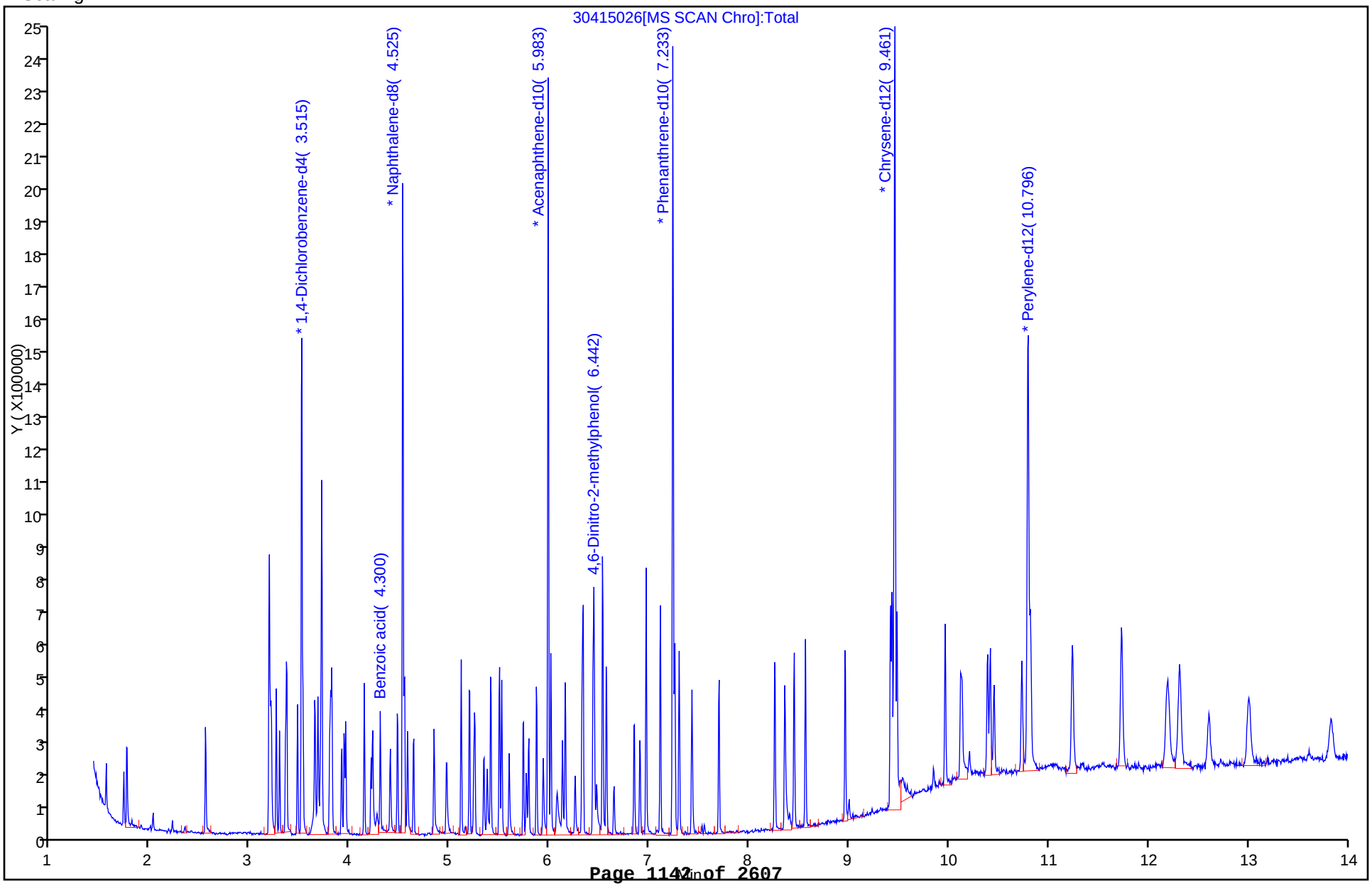
Report Date: 16-Apr-2013 17:14:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415026.D

Injection Date:	15-Apr-2013 18:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	26
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

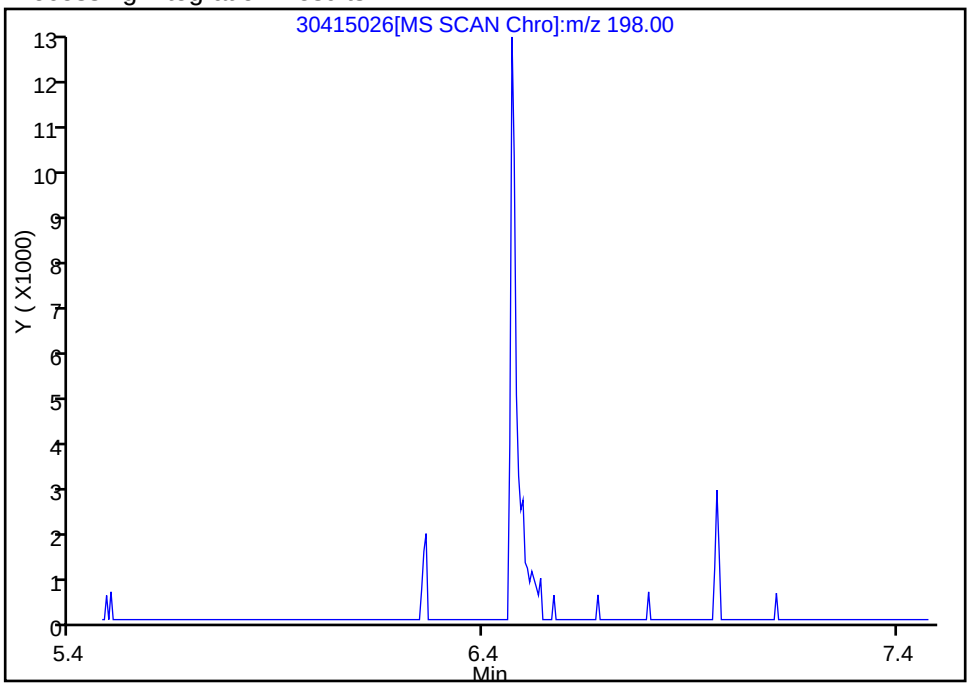
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415026.D		
Injection Date:	15-Apr-2013 18:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

128 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 6.48

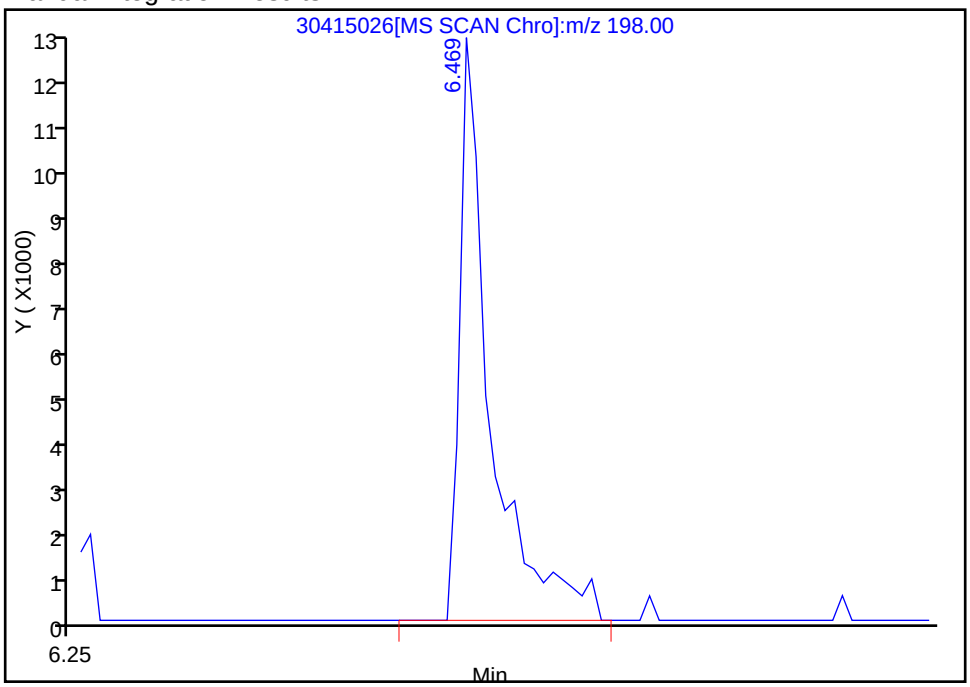
Processing Integration Results

Not Detected
Expected RT: 6.48



Manual Integration Results

RT: 6.47
Response: 14447
Amount: 0.741985



Reviewer: ulmanm, 16-Apr-2013 09:36:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/15/2013 18:20

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzyl alcohol	Ave	1.196			1.16	2.00		
2,4-Dinitrophenol	Ave	0.1626			1.48	4.00		
Pentachlorophenol	Ave	0.1018			1.07	4.00		
1,1'-Biphenyl	Ave	1.327			0.000800	2.00		
1,2,4,5-Tetrachlorobenzene	Ave	0.4277			0.000550	2.00		
1,2,4-Trichlorobenzene	Ave	0.2664			0.000800	2.00		
1,2-Dichlorobenzene	Ave	1.340			0.000800	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.295			0.000800	2.00		
1,3-Dichlorobenzene	Ave	1.400			0.000800	2.00		
1,4-Dichlorobenzene	Ave	1.425			0.000800	2.00		
1,4-Dioxane	Ave	0.8284			0.000800	2.00		
1-Methylnaphthalene	Ave	0.5630			0.000100	2.00		
2,3,4,6-Tetrachlorophenol	Ave	0.2651			0.000580	2.00		
2,4,5-Trichlorophenol	Ave	0.3097			0.000800	2.00		
2,4,6-Trichlorophenol	Ave	0.2985			0.000800	2.00		
2,4-Dichlorophenol	Ave	0.2460			0.000800	2.00		
2,4-Dimethylphenol	Ave	0.4055			0.000800	2.00		
2,4-Dinitrotoluene	Ave	0.3423			0.000800	2.00		
2,6-Dinitrotoluene	Ave	0.2588			0.000800	2.00		
2-Chloronaphthalene	Ave	0.9836			0.000100	2.00		
2-Chlorophenol	Ave	1.366			0.000800	2.00		
2-Methylnaphthalene	Ave	0.6087			0.000100	2.00		
2-Methylphenol	Ave	1.625			0.000800	2.00		
2-Nitroaniline	Ave	0.5349			0.000800	2.00		
2-Nitrophenol	Ave	0.1685			0.000800	2.00		
3 & 4 Methylphenol	Ave	1.727			0.000800	2.00		
3,3'-Dichlorobenzidine	Ave	0.3364			0.000800	4.00		
3-Nitroaniline	Ave	0.3096			0.000800	2.00		
4,6-Dinitro-2-methylphenol	Ave	0.1297			0.00240	4.00		
4-Bromophenyl phenyl ether	Ave	0.1638			0.000800	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/15/2013 18:20

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415027.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	0.3682			0.000800	2.00		
4-Chloroaniline	Ave	0.4092			0.000800	2.00		
4-Chlorophenyl phenyl ether	Ave	0.5393			0.000800	2.00		
4-Nitroaniline	Ave	0.3079			0.000800	2.00		
4-Nitrophenol	Ave	0.2557			0.00240	4.00		
Acenaphthene	Ave	0.9609			0.000100	2.00		
Acenaphthylene	Ave	1.588			0.000100	2.00		
Acetophenone	Ave	2.603			0.000800	2.00		
Aniline	Ave	3.328			0.00240	2.00		
Anthracene	Ave	1.001			0.000100	2.00		
Atrazine	Ave	0.1891			0.000800	4.00		
Azobenzene	Ave	1.295			0.000810	2.00		
Benzaldehyde	Ave	2.002			0.000800	4.00		
Benzidine	Ave	0.4459			0.00240	4.00		
Benzo[a]anthracene	Ave	1.015			0.000100	2.00		
Benzo[a]pyrene	Ave	1.047			0.000100	2.00		
Benzo[b]fluoranthene	Ave	1.121			0.000100	2.00		
Benzo[g,h,i]perylene	Ave	0.9363			0.000100	2.00		
Benzo[k]fluoranthene	Ave	1.163			0.000100	2.00		
Benzoic acid	Ave	0.2254			0.0100	4.00		
bis (2-chloroisopropyl) ether	Ave	2.242			0.000800	2.00		
Bis(2-chloroethoxy)methane	Ave	0.5641			0.000800	2.00		
Bis(2-chloroethyl)ether	Ave	2.201			0.000100	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.6742			0.000800	2.00		
Butyl benzyl phthalate	Ave	0.4928			0.000800	2.00		
Caprolactam	Ave	0.1289			0.000800	4.00		
Carbazole	Ave	0.9101			0.000800	2.00		
Chrysene	Ave	0.9545			0.000100	2.00		
Dibenz(a,h)anthracene	Ave	0.9324			0.000100	2.00		
Dibenzofuran	Ave	1.393			0.000100	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/15/2013 18:20

Instrument ID: A4HP9 Calib Start Date: 04/11/2013 08:55

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/11/2013 11:34

Lab File ID: 30415027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diethyl phthalate	Ave	1.094			0.000800	2.00		
Dimethyl phthalate	Ave	1.127			0.000800	2.00		
Di-n-butyl phthalate	Ave	1.142			0.000800	2.00		
Di-n-octyl phthalate	Ave	1.447			0.000800	2.00		
Fluoranthene	Ave	1.068			0.000100	2.00		
Fluorene	Ave	1.127			0.000100	2.00		
Hexachlorobenzene	Ave	0.1580			0.000100	2.00		
Hexachlorobutadiene	Ave	0.1514			0.000800	2.00		
Hexachlorocyclopentadiene	Ave	0.3001			0.000800	2.00		
Hexachloroethane	Ave	0.7107			0.000800	2.00		
Indeno[1,2,3-cd]pyrene	Ave	1.114			0.000100	2.00		
Isophorone	Ave	1.006			0.000800	2.00		
Naphthalene	Ave	0.9679			0.000100	2.00		
Nitrobenzene	Ave	0.5954			0.000100	2.00		
N-Nitrosodimethylamine	Ave	1.522			0.000800	2.00		
N-Nitrosodi-n-propylamine	Ave	1.846			0.000800	2.00		
N-Nitrosodiphenylamine	Ave	0.4636			0.000800	4.00		
Phenanthrene	Ave	0.9947			0.000100	2.00		
Phenol	Ave	2.463			0.000800	2.00		
Pyrene	Ave	1.068			0.000100	2.00		
Pyridine	Ave	2.456			0.000800	2.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1284			0.000000	2.00	0*	35-125
2-Fluorobiphenyl (Surr)	Lin1				0.000000	2.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.742			0.000000	2.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6205			0.000000	2.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.434			0.000000	2.00	0*	40-100
Terphenyl-d14 (Surr)	Lin1				0.000000	2.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415027.D
Lims ID: mdll4 Client ID:
Inject. Date: 15-Apr-2013 18:20:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018860-027
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 81882 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 17:13:54 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 09:41:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.511	3.517	-0.006	91	190443	4.00	
* 2 Naphthalene-d8	136	4.526	4.527	-0.001	98	824212	4.00	
* 3 Acenaphthene-d10	164	5.984	5.985	-0.001	87	484167	4.00	
* 4 Phenanthrene-d10	188	7.234	7.235	-0.001	95	806446	4.00	
* 5 Chrysene-d12	240	9.462	9.463	-0.001	78	847110	4.00	
* 6 Perylene-d12	264	10.797	10.793	0.004	93	706032	4.00	
$ 7 2-Fluorophenol	112		2.555					
$ 8 Phenol-d5	99		3.202					
$ 9 Nitrobenzene-d5	82		3.944					
$ 10 2-Fluorobiphenyl (Surr)	172		5.408					
$ 11 2,4,6-Tribromophenol	330		6.647					
$ 12 Terphenyl-d14	244		8.565					
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.556					
26 N-Nitrosodimethylamine	74		1.733					
27 Pyridine	79		1.759					
28 Ethyl methacrylate	69		2.103					
31 2-Picoline	93		2.270					
29 3-Chloropropionitrile	54		2.284					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					9
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					9
41 Benzaldehyde	77		3.191					
43 Phenol	94		3.212					
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93		3.266					
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93		3.293					
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128		3.357					
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146		3.528					
42 Phenylmercaptan	110		3.596					9
49 Benzyl alcohol	108	3.644	3.608	0.036	83	66197	1.16	M
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					
53 2,2'-oxybis[1-chloropropane]	45		3.704					
52 Indene	115		3.720					
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					
58 Acetophenone	105		3.821					
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					9
61 Hexachloroethane	117		3.918					
60 2-Toluidine	106		3.921					9
62 Nitrobenzene	77		3.960					
64 Isophorone	82		4.147					
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139		4.211					
65 2,4-Dimethylphenol	107		4.227					
70 Bis(2-chloroethoxy)methane	93		4.302					
71 Benzoic acid	122		4.313					
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162		4.404					
74 1,2,4-Trichlorobenzene	180		4.473					
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128		4.548					
76 4-Chloroaniline	127		4.575					
24 Catechol	110		4.592					
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225		4.633					
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113		4.879					
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.915					9
85 p-Phenylene diamine	108		4.936					9
86 4-Chloro-3-methylphenol	107		4.970					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142		5.114					
88 1-Methylnaphthalene	142		5.194					
89 Hexachlorocyclopentadiene	237		5.242					
91 1,2,4,5-Tetrachlorobenzene	216		5.253					
92 2,4,6-Trichlorophenol	196		5.339					
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196		5.376					
98 1,1'-Biphenyl	154		5.499					
100 2-Chloronaphthalene	162		5.520					
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					9
102 2-Nitroaniline	65		5.595					
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					9
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163		5.739					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165		5.793					
109 Acenaphthylene	152		5.867					
108 1,2-Dinitrobenzene	168		5.935					9
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184	6.027	6.022	0.005	19	29206	1.48	
113 4-Nitrophenol	109		6.070					
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232		6.252					
117 1-Naphthylamine	143		6.293					9
118 2,3,5,6-Tetrachlorophenol	232		6.293					
121 Diethyl phthalate	149		6.332					
120 2-Naphthylamine	143		6.357					9
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					
125 4-Nitroaniline	138		6.450					
122 Thionazin	97		6.469					9
128 4,6-Dinitro-2-methylphenol	198		6.476					
124 N-Nitro-o-toluidine	152		6.517					
131 N-Nitrosodiphenylamine	169		6.535					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77		6.573					
132 1,2-Diphenylhydrazine	77		6.573					
130 Diphenylamine	169		6.603					
127 Tributyl phosphate	99		6.615					9
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					
139 4-Bromophenyl phenyl ether	248		6.850					
137 Phenacetin	108		6.854					9
138 Phorate	121		6.854					
141 Hexachlorobenzene	284		6.909					
230 Diallate Peak 2	86		6.918					
142 Atrazine	200		6.973					
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266	7.069	7.069	0.0	71	21993	1.07	
129 4-Aminobiphenyl	169		7.137					9
145 Pentachloronitrobenzene	237		7.153					
144 Pronamide	173		7.174					
148 Phenanthrene	178		7.256					
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					
149 Anthracene	178		7.299					
151 Carbazole	167		7.427					
150 DFTPP								
152 Methyl parathion	109		7.602					9
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149		7.700					
155 Ethyl Parathion	97		7.928					9
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					9
159 Fluoranthene	202		8.255					
160 Benzidine	184		8.357					
161 Pyrene	202		8.453					
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					9
229 Aramite Peak 2	185		8.670					9
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149		8.961					
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149		9.431					
177 Benzo[a]anthracene	228		9.452					
178 Chrysene	228		9.484					
174 4,4'-Methylene bis(2-chloroanili	231		9.488					9
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252		10.392					
183 Benzo[k]fluoranthene	252		10.419					
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252		10.739					
185 3-Methylcholanthrene	268		11.261					9
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276		12.193					
189 Dibenz(a,h)anthracene	278		12.209					
190 Benzo[g,h,i]perylene	276		12.620					
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					
T 235 4-isopropylphenol TIC	121		4.700					
T 236 3-isopropylphenol TIC	121		4.700					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
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					3
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					
T 197 Hexachlorophene TIC	198		13.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
3 - Failed RT Window Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

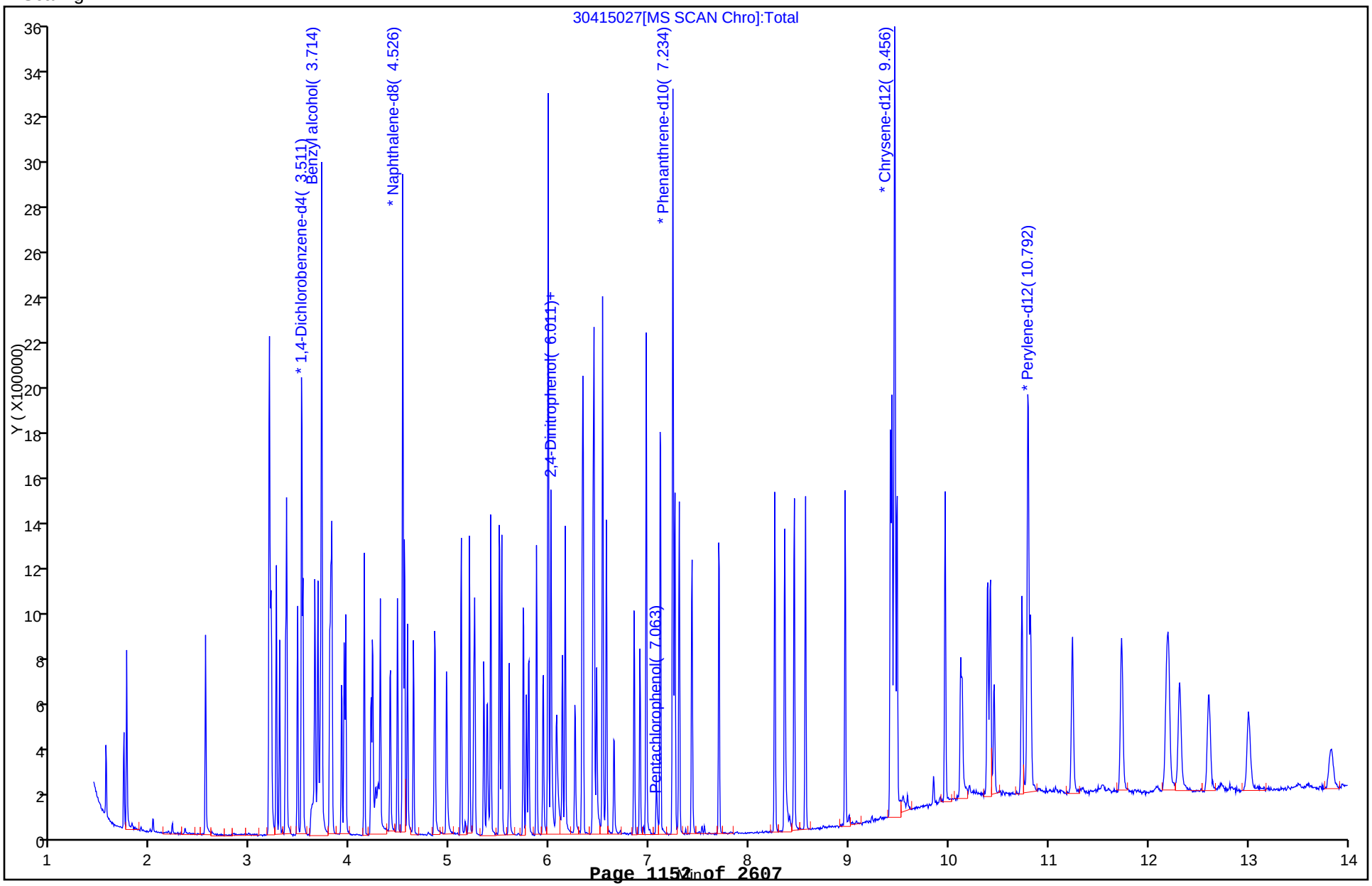
Report Date: 16-Apr-2013 17:14:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415027.D

Injection Date:	15-Apr-2013 18:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	27
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

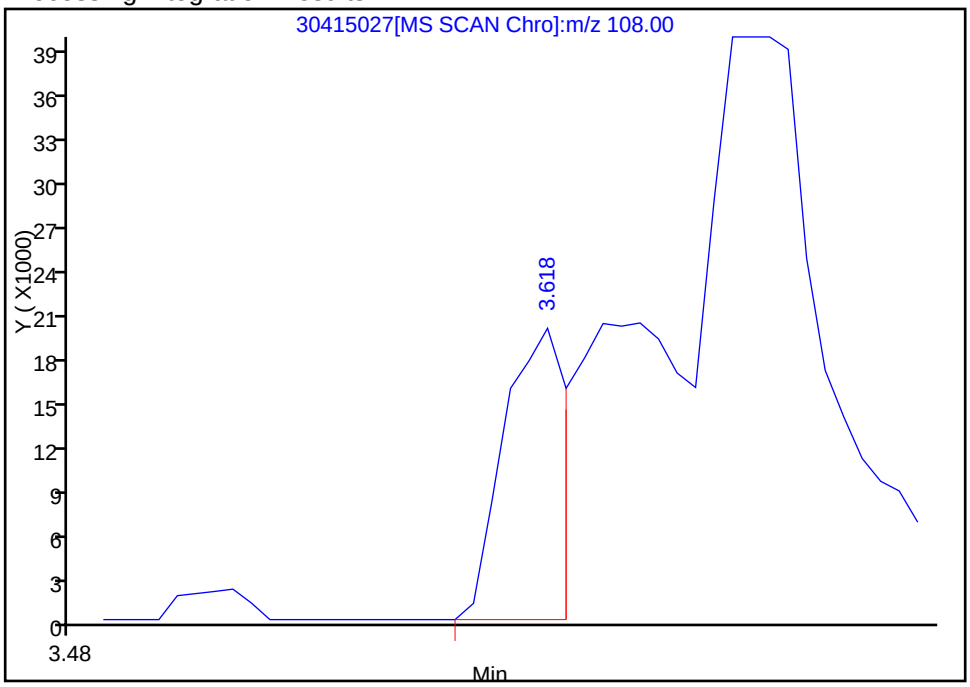
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415027.D		
Injection Date:	15-Apr-2013 18:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	27
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

49 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 3.61

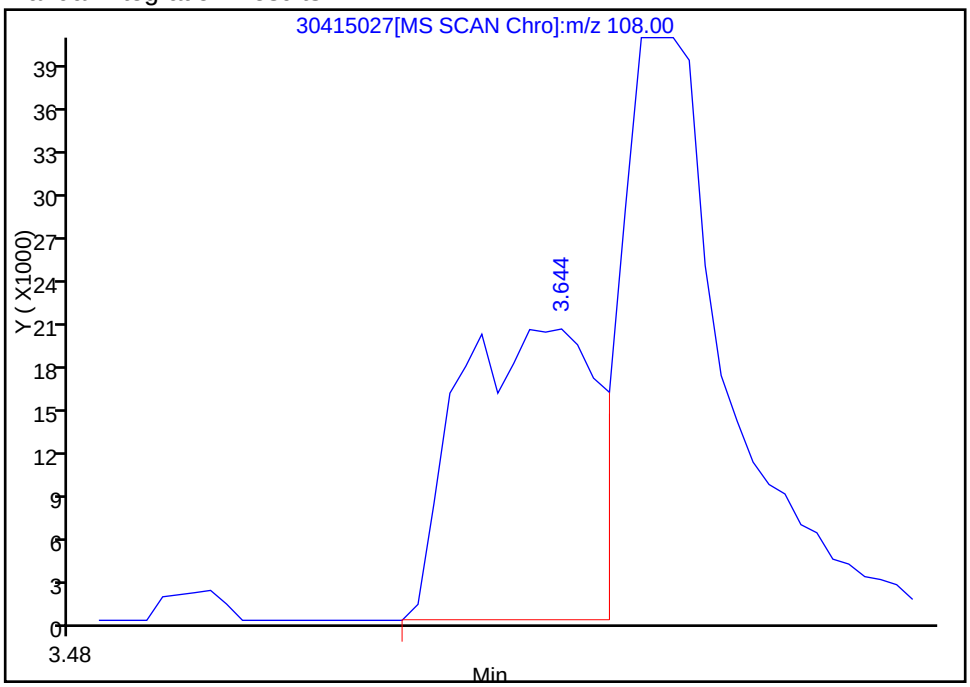
Processing Integration Results

RT: 3.62
Response: 24949
Amount: 0.438185



Manual Integration Results

RT: 3.64
Response: 66197
Amount: 1.162633



Reviewer: ulmanm, 16-Apr-2013 09:41:55
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Apr-2013 08:37:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018755-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	81433	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\8270 _9.m		
Last Update:	11-Apr-2013 12:46:46	Calib Date:	11-Apr-2013 11:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: ulmanm		Date:	11-Apr-2013 08:57:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.298	7.298	0.0	82	710545	0	
150 DFTPP								
160 Benzidine	184	8.590	8.590	0.0	98	4474693	0	
166 4,4'-DDE	246		8.729					9
165 4,4'-DDD	235		9.017					9
170 4,4'-DDT	235	9.285	9.285	0.0	93	1841146	0	

QC Flag Legend

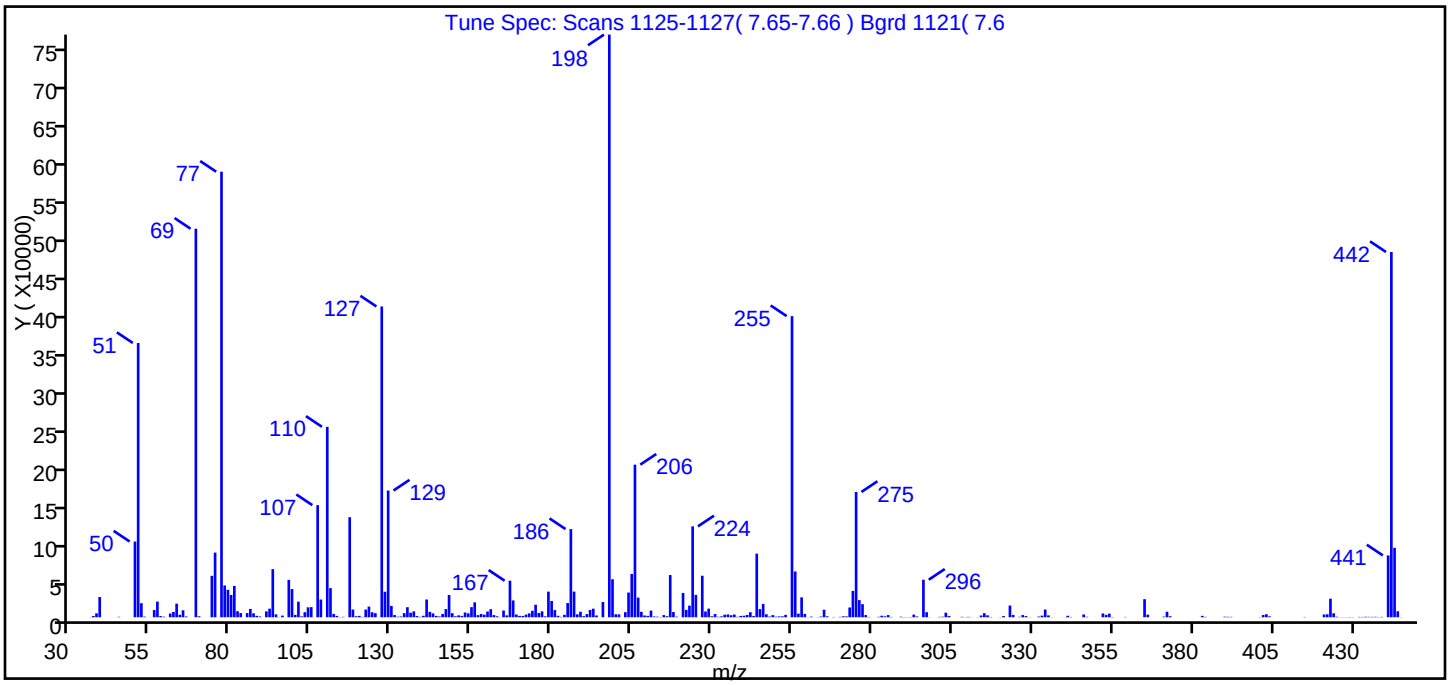
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D		
Injection Date:	11-Apr-2013 08:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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	47.07
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	66.68
70	Less than 2.00% of mass 69	0.17 (0.26)
127	25.00 - 75.00% of mass 198	53.34
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.53
275	10.00 - 30.00% of mass 198	21.51
365	Greater than 0.75% of mass 198	3.10
441	Present, but less than mass 443%	10.62 (89.14)
442	40.00 - 110.00% of mass 198	62.68
443	15.00 - 24.00% of mass 442	11.91 (19.00)

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D\8270 _9.rslt\spectra.d
Injection Date: 11-Apr-2013 08:37:30
Spectrum: Tune Spec: Scans 1125-1127(7.65-7.66) Bgrd 1121(7.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	209	134.00	5373	212.00	1005	298.00	210
37.00	1632	135.00	13137	213.00	752	301.00	506
38.00	5126	136.00	5884	214.00	269	302.00	706
39.00	26456	137.00	7728	215.00	2864	303.00	5978
45.00	578	138.00	1544	216.00	1328	304.00	1642
50.00	99016	139.00	532	217.00	55176	308.00	576
51.00	358592	140.00	1942	218.00	6828	309.00	245
52.00	18392	141.00	23208	219.00	755	310.00	539
53.00	788	142.00	7105	221.00	31768	311.00	170
55.00	128	143.00	5061	222.00	9591	313.00	222
56.00	9421	144.00	1794	223.00	15186	314.00	2294
57.00	20480	145.00	1063	224.00	118864	315.00	5355
58.00	1543	146.00	4231	225.00	29312	316.00	2531
59.00	775	147.00	10666	227.00	54272	317.00	421
60.00	8	148.00	29120	228.00	7540	320.00	233
61.00	4894	149.00	5347	229.00	11276	321.00	1615
62.00	6862	150.00	1258	230.00	1291	323.00	15339
63.00	17792	151.00	2485	231.00	4164	324.00	3011
64.00	3227	152.00	1757	232.00	625	326.00	560
65.00	9102	153.00	6237	233.00	1171	327.00	2876
66.00	1004	154.00	5082	234.00	3366	328.00	1517
69.00	508032	155.00	13205	235.00	3707	329.00	203
70.00	1305	156.00	19528	236.00	2624	332.00	932
74.00	54168	157.00	2799	237.00	3584	333.00	2113
75.00	84568	158.00	4341	238.00	589	334.00	10133
77.00	582592	159.00	3337	239.00	1752	335.00	2432
78.00	41544	160.00	7464	240.00	1998	336.00	200
79.00	35928	161.00	10531	241.00	3003	340.00	173
80.00	29184	162.00	2837	242.00	6583	341.00	1951
81.00	41016	163.00	1240	243.00	1564	342.00	458
82.00	7896	164.00	183	244.00	83192	346.00	3650
83.00	5454	165.00	8792	245.00	10692	347.00	604
85.00	5429	166.00	2410	246.00	17400	352.00	4979

Report Date: 11-Apr-2013 12:46:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D\8270 _9.rslt\spectra.d
Injection Date: 11-Apr-2013 08:37:30
Spectrum: Tune Spec: Scans 1125-1127(7.65-7.66) Bgrd 1121(7.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	10919	167.00	47776	247.00	3924	353.00	3214
87.00	5176	168.00	21992	248.00	923	354.00	4710
88.00	1841	169.00	3565	249.00	2791	355.00	388
89.00	1027	170.00	1762	250.00	830	359.00	434
91.00	7727	171.00	1693	251.00	1123	365.00	23640
92.00	11253	172.00	3448	252.00	1231	366.00	3424
93.00	62936	173.00	5072	253.00	3187	371.00	836
94.00	3750	174.00	8463	255.00	393728	372.00	7218
95.00	204	175.00	16361	256.00	59856	373.00	1379
96.00	2144	176.00	5569	257.00	4655	383.00	1857
98.00	48864	177.00	7768	258.00	26016	384.00	522
99.00	36856	178.00	1183	259.00	4389	390.00	747
100.00	3129	179.00	33520	260.00	214	391.00	604
101.00	20392	180.00	21304	261.00	821	392.00	560
102.00	1162	181.00	9382	263.00	201	401.00	232
103.00	6589	182.00	1909	264.00	922	402.00	2886
104.00	12995	183.00	487	265.00	9851	403.00	3939
105.00	13221	184.00	3209	266.00	1251	404.00	1200
107.00	146624	185.00	18576	268.00	375	415.00	412
108.00	23176	186.00	115304	270.00	507	421.00	3651
110.00	249024	187.00	33552	271.00	1271	422.00	3890
111.00	38088	188.00	3822	272.00	1115	423.00	24288
112.00	4383	189.00	7199	273.00	12795	424.00	5193
113.00	1747	190.00	1412	274.00	34448	425.00	698
114.00	249	191.00	4130	275.00	163840	426.00	254
115.00	530	192.00	9604	276.00	22416	427.00	186
117.00	130840	193.00	11238	277.00	17136	428.00	194
118.00	10064	194.00	2348	278.00	2865	429.00	345
119.00	1372	196.00	19984	279.00	415	430.00	211
120.00	1796	198.00	761856	282.00	548	432.00	486
121.00	477	199.00	49712	283.00	1970	433.00	423
122.00	10094	200.00	3894	284.00	1191	434.00	653
123.00	13915	201.00	3734	285.00	2854	435.00	518
124.00	6510	203.00	6680	286.00	442	436.00	510

Report Date: 11-Apr-2013 12:46:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D\8270 _9.rslt\spectra.d
Injection Date: 11-Apr-2013 08:37:30
Spectrum: Tune Spec: Scans 1125-1127(7.65-7.66) Bgrd 1121(7.6
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 300

m/z	Y	m/z	Y	m/z	Y	m/z	Y
125.00	5356	204.00	32288	289.00	731	437.00	600
127.00	406336	205.00	56664	290.00	303	438.00	306
128.00	33336	206.00	199552	291.00	223	439.00	496
129.00	165696	207.00	25632	292.00	369	441.00	80872
130.00	14843	208.00	7103	293.00	3483	442.00	477568
131.00	2916	209.00	2330	294.00	1017	443.00	90728
132.00	762	210.00	1775	296.00	49096	444.00	7818
133.00	991	211.00	8697	297.00	6587	445.00	195

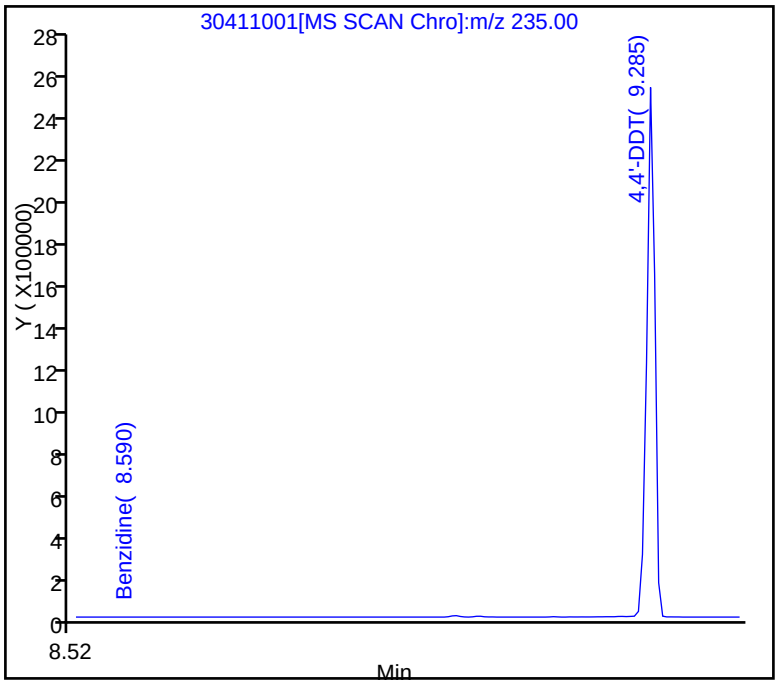
Report Date: 11-Apr-2013 12:46:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D		
Injection Date:	11-Apr-2013 08:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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 = 1841146
165 4,4'-DDD, Area = 0
166 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

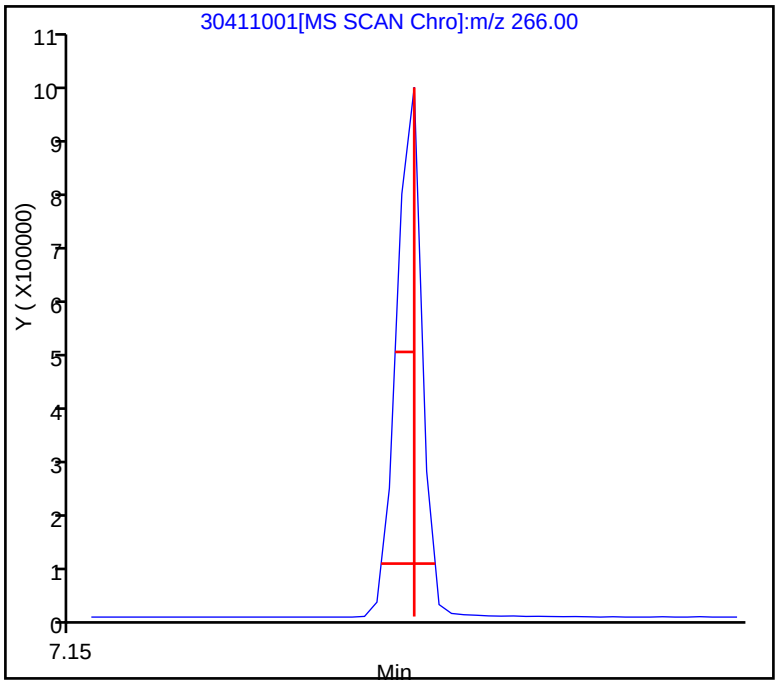
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D

Injection Date:	11-Apr-2013 08:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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 = 0.009 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.6, Max. Tailing < 5.00
Passed

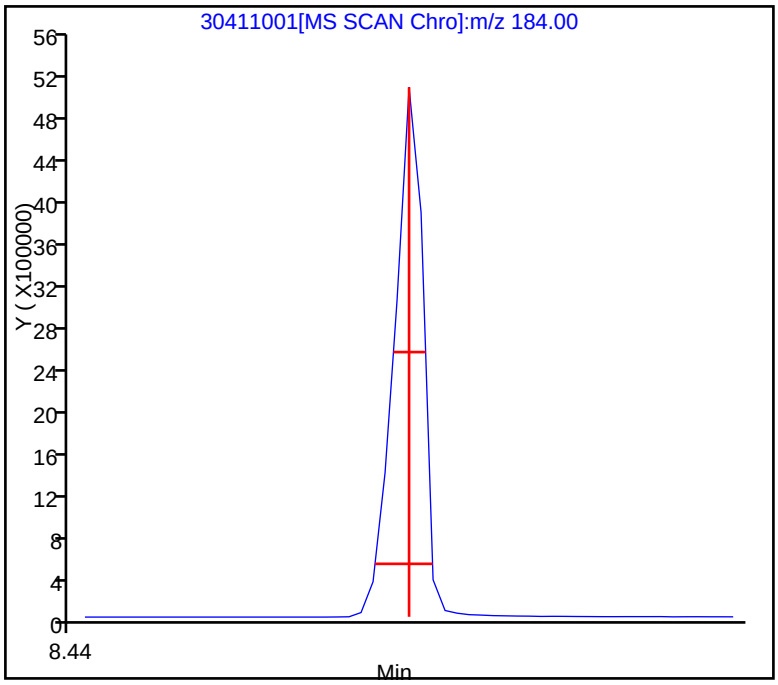
Report Date: 11-Apr-2013 12:46:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130411-18755.b\30411001.D		
Injection Date:	11-Apr-2013 08:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81433	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\20130415-18860.b\30415001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	15-Apr-2013 09:35:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0018860-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	81882	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m		
Last Update:	16-Apr-2013 10:48:40	Calib Date:	12-Apr-2013 13:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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:	15-Apr-2013 09:54:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.068	7.068	0.0	79	375692	0	
150 DFTPP								
160 Benzidine	184	8.355	8.355	0.0	98	2608954	0	
166 4,4'-DDE	246		8.542					
165 4,4'-DDD	235	8.799	8.799	0.0	35	27271	0	M
170 4,4'-DDT	235	9.050	9.050	0.0	95	995970	0	

QC Flag Legend

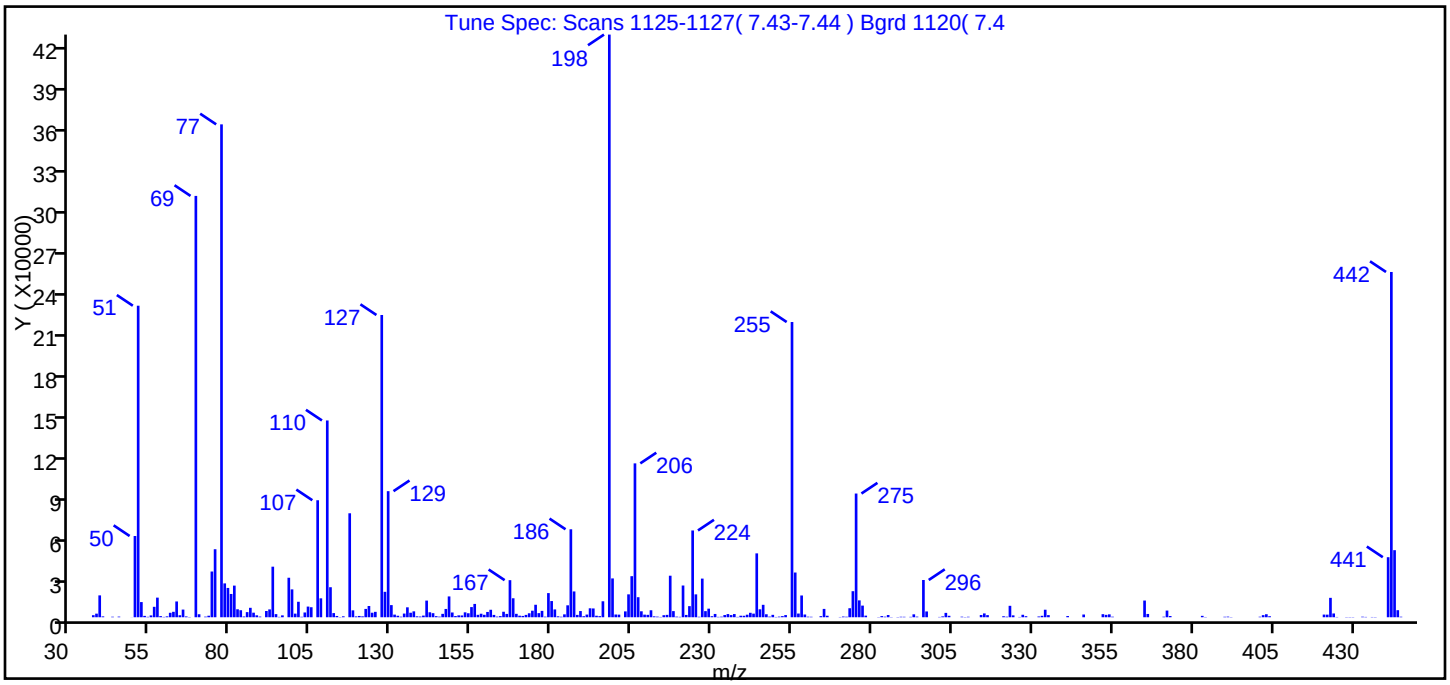
Review Flags
M - Manually Integrated

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D		
Injection Date:	15-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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	53.47
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	72.31
70	Less than 2.00% of mass 69	0.51 (0.71)
127	25.00 - 75.00% of mass 198	51.88
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	21.23
365	Greater than 0.75% of mass 198	2.87
441	Present, but less than mass 443%	10.31 (89.53)
442	40.00 - 110.00% of mass 198	59.26
443	15.00 - 24.00% of mass 442	11.51 (19.43)

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D\8270 _9.rslt\spectra.d
Injection Date: 15-Apr-2013 09:35:30
Spectrum: Tune Spec: Scans 1125-1127(7.43-7.44) Bgrd 1120(7.4
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1522	124.00	3338	199.00	28656	282.00	170
38.00	2656	125.00	4000	200.00	2029	283.00	863
39.00	16141	127.00	223040	201.00	1926	284.00	429
40.00	646	128.00	18768	203.00	4329	285.00	1652
43.00	393	129.00	93040	204.00	16904	286.00	172
45.00	478	130.00	8964	205.00	30312	288.00	185
49.00	58	131.00	1946	206.00	113552	289.00	368
50.00	59952	132.00	1109	207.00	14796	290.00	341
51.00	229888	133.00	418	208.00	4405	292.00	299
52.00	11198	134.00	2719	209.00	1933	293.00	2160
53.00	1018	135.00	7330	210.00	1777	294.00	461
54.00	317	136.00	3335	211.00	5157	296.00	27496
55.00	1354	137.00	4366	212.00	662	297.00	4286
56.00	7707	138.00	678	213.00	474	301.00	236
57.00	14482	139.00	521	214.00	230	302.00	644
58.00	848	140.00	1233	215.00	1519	303.00	3225
59.00	249	141.00	12292	216.00	1761	304.00	1079
60.00	650	142.00	3677	217.00	30656	308.00	421
61.00	3291	143.00	3004	218.00	4536	309.00	183
62.00	4020	144.00	806	219.00	463	310.00	367
63.00	11660	145.00	454	220.00	306	314.00	1655
64.00	1481	146.00	2516	221.00	23424	315.00	2833
65.00	5665	147.00	6132	222.00	1712	316.00	1575
66.00	609	148.00	15371	223.00	8208	321.00	737
67.00	204	149.00	3515	224.00	64040	322.00	419
69.00	310912	150.00	879	225.00	16896	323.00	8443
70.00	2213	151.00	1385	226.00	360	324.00	1385
72.00	459	152.00	1331	227.00	28528	326.00	221
73.00	1126	153.00	3631	228.00	4514	327.00	1835
74.00	33752	154.00	2949	229.00	6341	328.00	780
75.00	50192	155.00	7504	230.00	774	332.00	574
77.00	363712	156.00	9839	231.00	2437	333.00	1075
78.00	24984	157.00	1798	232.00	285	334.00	5560

Report Date: 16-Apr-2013 10:48:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D\8270 _9.rslt\spectra.d
Injection Date: 15-Apr-2013 09:35:30
Spectrum: Tune Spec: Scans 1125-1127(7.43-7.44) Bgrd 1120(7.4
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	21632	158.00	2605	233.00	444	335.00	1577
80.00	17184	159.00	1816	234.00	1633	341.00	900
81.00	23352	160.00	3917	235.00	2348	346.00	2024
82.00	5897	161.00	5525	236.00	1608	352.00	2269
83.00	5188	162.00	1731	237.00	2370	353.00	1783
84.00	568	163.00	484	238.00	266	354.00	2143
85.00	3783	164.00	832	239.00	1133	355.00	422
86.00	6974	165.00	4070	240.00	1092	365.00	12333
87.00	3371	166.00	2464	241.00	1877	366.00	2432
88.00	1434	167.00	27368	242.00	3293	371.00	413
89.00	510	168.00	14011	243.00	2666	372.00	4929
91.00	4619	169.00	2525	244.00	47136	373.00	906
92.00	5796	170.00	1158	245.00	5870	383.00	1042
93.00	37320	171.00	985	246.00	9181	384.00	204
94.00	2312	172.00	1743	247.00	2207	390.00	361
95.00	280	173.00	2936	248.00	485	391.00	475
96.00	1393	174.00	4824	249.00	1779	392.00	176
98.00	29152	175.00	9218	250.00	219	401.00	401
99.00	20568	176.00	3044	251.00	473	402.00	1554
100.00	2667	177.00	4706	252.00	838	403.00	2227
101.00	11428	178.00	432	253.00	1610	404.00	766
102.00	337	179.00	17824	255.00	217856	421.00	1981
103.00	3524	180.00	11954	256.00	33008	422.00	1925
104.00	7880	181.00	5779	257.00	2733	423.00	14325
105.00	7396	182.00	691	258.00	16071	424.00	2795
107.00	86344	183.00	381	259.00	2029	425.00	220
108.00	13965	184.00	2139	260.00	432	428.00	173
110.00	145216	185.00	8812	261.00	355	429.00	169
111.00	22168	186.00	64920	264.00	816	430.00	172
112.00	3071	187.00	19048	265.00	6164	433.00	405
113.00	949	188.00	1746	266.00	1118	434.00	251
114.00	183	189.00	4575	270.00	199	436.00	205
115.00	695	190.00	764	271.00	534	437.00	184
117.00	76720	191.00	1978	272.00	394	441.00	44312

Report Date: 16-Apr-2013 10:48:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D\8270 _9.rslt\spectra.d
Injection Date: 15-Apr-2013 09:35:30
Spectrum: Tune Spec: Scans 1125-1127(7.43-7.44) Bgrd 1120(7.4
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 290

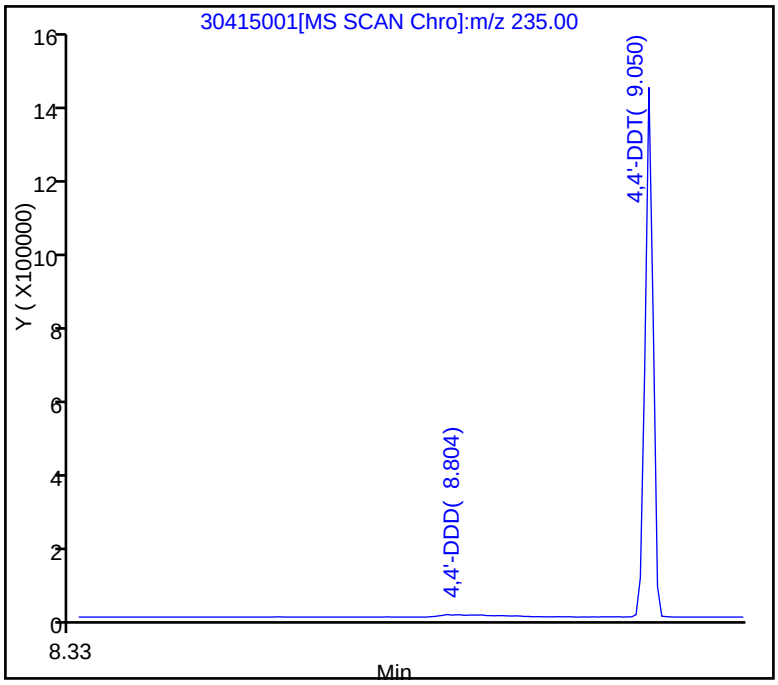
m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	5097	192.00	6606	273.00	6663	442.00	254784
119.00	616	193.00	6491	274.00	19232	443.00	49496
120.00	960	194.00	1119	275.00	91296	444.00	5217
121.00	660	195.00	822	276.00	12463	445.00	399
122.00	6151	196.00	11789	277.00	8595		
123.00	8302	198.00	429952	278.00	1189		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D		
Injection Date:	15-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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 = 995970
165 4,4'-DDD, Area = 27271
166 4,4'-DDE, Area = 0

%Breakdown: 2.67%, Max Limit: 20.00%
Passed

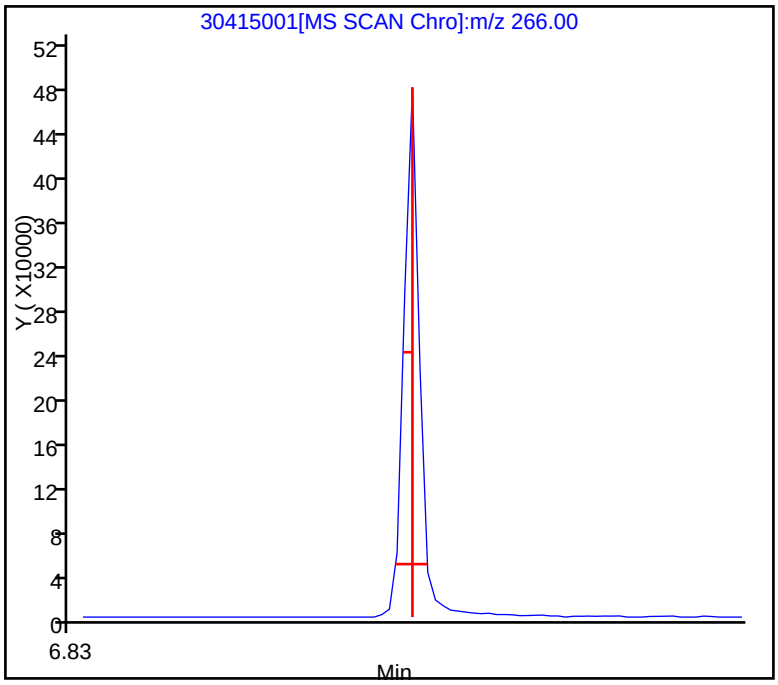
Report Date: 16-Apr-2013 10:48:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D		
Injection Date:	15-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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 = 0.012 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

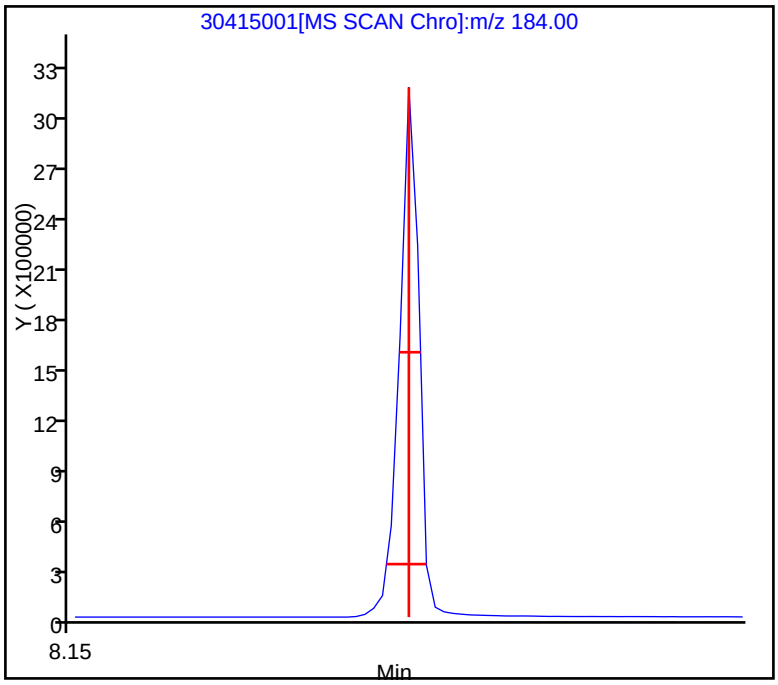
Report Date: 16-Apr-2013 10:48:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415001.D		
Injection Date:	15-Apr-2013 09:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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 = 0.014 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80589/12-A

Matrix: Solid | Lab File ID: 30415004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 10:44

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.: 81882 | 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	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	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	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80589/12-A

Matrix: Solid | Lab File ID: 30415004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 10:44

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.: 81882 | 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	50	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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80589/12-A

Matrix: Solid | Lab File ID: 30415004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 10:44

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	57		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	44		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415004.D
Lims ID: MB 240-80589/12-A Client ID:
Inject. Date: 15-Apr-2013 10:44:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0018860-004
Misc. Info.: MB 240-80589/12-A =MB 240-80589/12-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 81882 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 15-Apr-2013 11:13:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.511	3.517	-0.006	95	137642	4.00	
* 2 Naphthalene-d8	136	4.526	4.527	-0.001	98	629669	4.00	
* 3 Acenaphthene-d10	164	5.985	5.985	0.0	88	367060	4.00	
* 4 Phenanthrene-d10	188	7.235	7.235	0.0	96	631801	4.00	
* 5 Chrysene-d12	240	9.457	9.463	-0.006	84	632241	4.00	
* 6 Perylene-d12	264	10.793	10.793	0.0	93	527437	4.00	
$ 7 2-Fluorophenol	112	2.566	2.555	0.011	95	618153	10.3	
$ 8 Phenol-d5	99	3.207	3.202	0.005	94	936472	11.2	
$ 9 Nitrobenzene-d5	82	3.939	3.944	-0.005	85	611583	6.26	
$ 10 2-Fluorobiphenyl (Surr)	172	5.408	5.408	0.0	99	690612	6.66	
$ 11 2,4,6-Tribromophenol	330	6.647	6.647	0.0	84	77984	6.62	
$ 12 Terphenyl-d14	244	8.565	8.565	0.0	98	675271	5.67	
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.556					
26 N-Nitrosodimethylamine	74		1.733					9
27 Pyridine	79		1.759					
28 Ethyl methacrylate	69		2.103					
31 2-Picoline	93		2.270					9
29 3-Chloropropionitrile	54		2.284					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					9
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					9
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					9
41 Benzaldehyde	77		3.191					9
43 Phenol	94		3.212					9
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93		3.266					9
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93		3.293					9
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128		3.357					
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146		3.474					
48 1,4-Dichlorobenzene	146		3.528					
42 Phenylmercaptan	110		3.596					9
49 Benzyl alcohol	108		3.608					9
50 1,2-Dichlorobenzene	146		3.645					
51 2-Methylphenol	108		3.677					9
53 2,2'-oxybis[1-chloropropane]	45		3.704					
52 Indene	115		3.720					9
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108		3.800					
57 N-Nitrosodi-n-propylamine	70		3.811					
58 Acetophenone	105		3.821					9
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					9
61 Hexachloroethane	117		3.918					
60 2-Toluidine	106		3.921					
62 Nitrobenzene	77		3.960					9
64 Isophorone	82		4.147					9
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139		4.211					
65 2,4-Dimethylphenol	107		4.227					
70 Bis(2-chloroethoxy)methane	93		4.302					9
71 Benzoic acid	122		4.313					
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162		4.404					
74 1,2,4-Trichlorobenzene	180		4.473					
72 alpha,alpha-Dimethyl phenethylam	58		4.477					
75 Naphthalene	128		4.548					9
76 4-Chloroaniline	127		4.575					
24 Catechol	110		4.592					
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225		4.633					
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113		4.879					
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.915					9
85 p-Phenylene diamine	108		4.936					
86 4-Chloro-3-methylphenol	107		4.970					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142		5.114					
88 1-Methylnaphthalene	142		5.194					
89 Hexachlorocyclopentadiene	237		5.242					
91 1,2,4,5-Tetrachlorobenzene	216		5.253					
92 2,4,6-Trichlorophenol	196		5.339					
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196		5.376					
98 1,1'-Biphenyl	154		5.499					
100 2-Chloronaphthalene	162		5.520					
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					
102 2-Nitroaniline	65		5.595					
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163		5.739					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165		5.793					
109 Acenaphthylene	152		5.867					
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138		5.937					
112 Acenaphthene	153		6.012					
111 2,4-Dinitrophenol	184		6.022					
113 4-Nitrophenol	109		6.070					9
114 2,4-Dinitrotoluene	165		6.129					
116 Dibenzofuran	168		6.156					
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232		6.252					
117 1-Naphthylamine	143		6.293					
118 2,3,5,6-Tetrachlorophenol	232		6.293					
121 Diethyl phthalate	149		6.332					
120 2-Naphthylamine	143		6.357					
123 4-Chlorophenyl phenyl ether	204		6.434					
126 Fluorene	166		6.444					
125 4-Nitroaniline	138		6.450					
122 Thionazin	97		6.469					9
128 4,6-Dinitro-2-methylphenol	198		6.476					
124 N-Nitro-o-toluidine	152		6.517					
131 N-Nitrosodiphenylamine	169		6.535					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77		6.573					
132 1,2-Diphenylhydrazine	77		6.573					
130 Diphenylamine	169		6.603					9
127 Tributyl phosphate	99		6.615					
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					
139 4-Bromophenyl phenyl ether	248		6.850					
137 Phenacetin	108		6.854					
138 Phorate	121		6.854					
141 Hexachlorobenzene	284		6.909					
230 Diallate Peak 2	86		6.918					
142 Atrazine	200		6.973					
140 Dimethoate	87		6.998					
143 Pentachlorophenol	266		7.069					
129 4-Aminobiphenyl	169		7.137					9
145 Pentachloronitrobenzene	237		7.153					
144 Pronamide	173		7.174					
148 Phenanthrene	178		7.256					
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178		7.299					
151 Carbazole	167		7.427					9
152 Methyl parathion	109		7.602					9
153 Diphenylsulfone	125		7.616					9
154 Di-n-butyl phthalate	149		7.700					9
155 Ethyl Parathion	97		7.928					
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					9
158 Isodrin	66		8.206					
159 Fluoranthene	202		8.255					9
160 Benzidine	184		8.357					9
161 Pyrene	202		8.453					
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					9
229 Aramite Peak 2	185		8.670					9
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149		8.961					
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252		9.420					9
173 Bis(2-ethylhexyl) phthalate	149		9.431					
177 Benzo[a]anthracene	228		9.452					9
178 Chrysene	228		9.484					9
174 4,4'-Methylene bis(2-chloroanili	231		9.488					9
172 3,3'-Dimethoxybenzidine	244		9.491					
179 6-Methylchrysene	242		9.936					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		9.965					
182 Benzo[b]fluoranthene	252		10.392					9
183 Benzo[k]fluoranthene	252		10.419					9
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252		10.739					9
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276		12.193					9
189 Dibenz(a,h)anthracene	278		12.209					9
190 Benzo[g,h,i]perylene	276		12.620					9
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					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

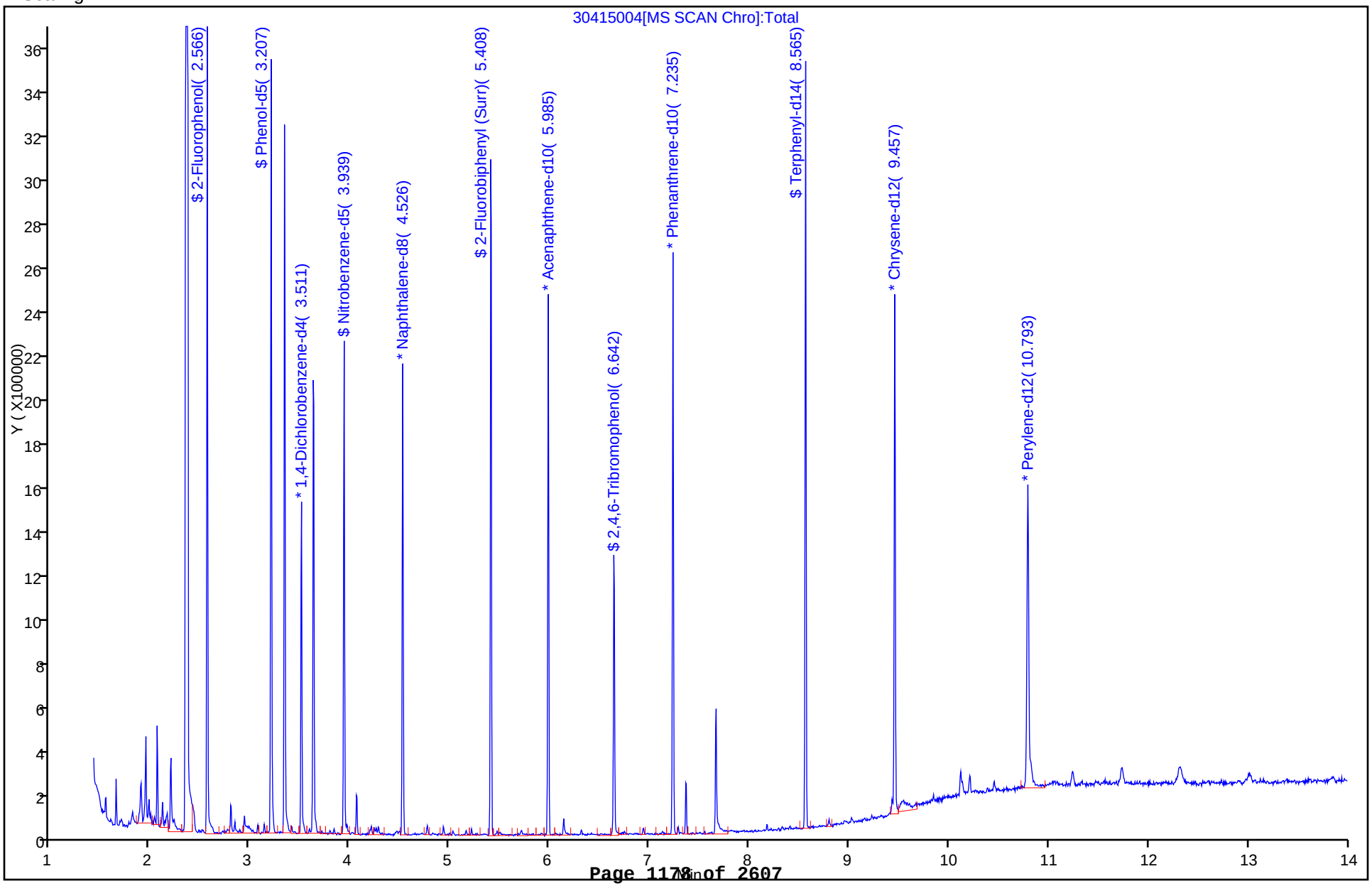
Report Date: 16-Apr-2013 10:48:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415004.D

Injection Date:	15-Apr-2013 10:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80589/13-A

Matrix: Solid | Lab File ID: 30415005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 11:04

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	462		6.7	3.3	3.3
208-96-8	Acenaphthylene	463		6.7	3.3	3.3
120-12-7	Anthracene	475		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	494		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	442		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	465		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	482		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	462		6.7	3.3	3.3
100-51-6	Benzyl alcohol	349	M	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	469		100	27	22
111-44-4	Bis(2-chloroethyl)ether	458		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	475		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	522		50	27	19
101-55-3	4-Bromophenyl phenyl ether	473		50	27	13
85-68-7	Butyl benzyl phthalate	494		50	27	10
86-74-8	Carbazole	467		50	27	27
106-47-8	4-Chloroaniline	309		150	27	17
59-50-7	4-Chloro-3-methylphenol	492		150	27	21
91-58-7	2-Chloronaphthalene	450		50	3.3	3.3
95-57-8	2-Chlorophenol	488		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	478		50	27	13
218-01-9	Chrysene	479		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	495		6.7	3.3	3.3
132-64-9	Dibenzofuran	469		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	445		50	27	9.7
541-73-1	1,3-Dichlorobenzene	439		50	27	11
106-46-7	1,4-Dichlorobenzene	447		50	27	20
91-94-1	3,3'-Dichlorobenzidine	283		100	80	18
120-83-2	2,4-Dichlorophenol	463		150	27	20
84-66-2	Diethyl phthalate	501		50	27	16
105-67-9	2,4-Dimethylphenol	346		150	80	20
131-11-3	Dimethyl phthalate	487		50	27	17
84-74-2	Di-n-butyl phthalate	484		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80589/13-A

Matrix: Solid | Lab File ID: 30415005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 11:04

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	467		150	80	80
51-28-5	2,4-Dinitrophenol	394		330	80	80
121-14-2	2,4-Dinitrotoluene	515		200	27	27
606-20-2	2,6-Dinitrotoluene	493		200	27	21
117-84-0	Di-n-octyl phthalate	492		50	27	27
206-44-0	Fluoranthene	477		6.7	3.3	3.3
86-73-7	Fluorene	473		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	458		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	448		50	27	27
77-47-4	Hexachlorocyclopentadiene	421		330	27	27
67-72-1	Hexachloroethane	439		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	479		6.7	3.3	3.3
78-59-1	Isophorone	457		50	27	13
91-57-6	2-Methylnaphthalene	454		6.7	3.3	3.3
95-48-7	2-Methylphenol	544		200	80	80
15831-10-4	3 & 4 Methylphenol	926		400	80	20
91-20-3	Naphthalene	453		6.7	3.3	3.3
88-74-4	2-Nitroaniline	508		200	27	9.1
99-09-2	3-Nitroaniline	426		200	80	16
100-01-6	4-Nitroaniline	474		200	27	26
98-95-3	Nitrobenzene	462		100	3.3	2.2
88-75-5	2-Nitrophenol	482		50	27	27
100-02-7	4-Nitrophenol	408		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	445		50	27	27
86-30-6	N-Nitrosodiphenylamine	494		50	27	21
87-86-5	Pentachlorophenol	233		150	80	80
85-01-8	Phenanthrene	470		6.7	3.3	3.3
108-95-2	Phenol	501		50	27	27
129-00-0	Pyrene	484		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	450		50	27	27
95-95-4	2,4,5-Trichlorophenol	420		150	27	25
88-06-2	2,4,6-Trichlorophenol	306		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80589/13-A

Matrix: Solid | Lab File ID: 30415005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.00(g) | Date Analyzed: 04/15/2013 11:04

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	61		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	57		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	39		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415005.D
Lims ID: LCS 240-80589/13-A Client ID:
Inject. Date: 15-Apr-2013 11:04:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018860-005
Misc. Info.: LCS 240-80589/13-A =LCS 240-80589/13-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 81882 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 15-Apr-2013 11:26:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.512	3.517	-0.005	94	149252	4.00	
* 2 Naphthalene-d8	136	4.527	4.527	0.0	99	663327	4.00	
* 3 Acenaphthene-d10	164	5.986	5.985	0.001	91	384335	4.00	
* 4 Phenanthrene-d10	188	7.236	7.235	0.001	97	658604	4.00	
* 5 Chrysene-d12	240	9.458	9.463	-0.005	92	659685	4.00	
* 6 Perylene-d12	264	10.794	10.793	0.001	93	562250	4.00	
$ 7 2-Fluorophenol	112	2.567	2.555	0.012	95	658676	10.1	
$ 8 Phenol-d5	99	3.208	3.202	0.006	90	960277	10.6	
$ 9 Nitrobenzene-d5	82	3.940	3.944	-0.004	86	629472	6.12	
$ 10 2-Fluorobiphenyl (Surr)	172	5.409	5.408	0.001	99	708374	6.53	
$ 11 2,4,6-Tribromophenol	330	6.648	6.647	0.001	87	72330	5.86	
$ 12 Terphenyl-d14	244	8.561	8.565	-0.005	98	709064	5.71	
25 1,4-Dioxane	88	1.578	1.556	0.022	36	111410	3.60	
26 N-Nitrosodimethylamine	74	1.744	1.733	0.011	84	363212	6.39	
27 Pyridine	79	1.776	1.759	0.017	96	461328	5.03	
31 2-Picoline	93	2.209	2.270	-0.061	92	483926	5.52	
37 Ethyl methanesulfonate	79	2.914	2.992	-0.078	94	432575	6.24	
41 Benzaldehyde	77	3.186	3.191	-0.005	88	492864	6.60	
43 Phenol	94	3.213	3.212	0.001	90	690616	7.51	
44 Aniline	93	3.256	3.266	-0.010	96	398398	3.21	
69 Bis(2-chloroethyl)ether	93	3.293	3.293	0.0	96	564260	6.87	
46 2-Chlorophenol	128	3.352	3.357	-0.005	88	373045	7.32	
47 1,3-Dichlorobenzene	146	3.469	3.474	-0.005	87	343880	6.58	
48 1,4-Dichlorobenzene	146	3.523	3.528	-0.005	82	356206	6.70	
49 Benzyl alcohol	108	3.603	3.608	-0.005	84	233794	5.24	M
50 1,2-Dichlorobenzene	146	3.646	3.645	0.001	84	333366	6.67	
51 2-Methylphenol	108	3.678	3.677	0.001	94	494606	8.16	
53 2,2'-oxybis[1-chloropropane]	45	3.704	3.704	0.0	94	596490	7.13	
21 3 & 4 Methylphenol	108	3.801	3.800	0.001	93	895400	13.9	
57 N-Nitrosodi-n-propylamine	70	3.806	3.811	-0.005	77	459935	6.68	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	3.817	3.821	-0.004	87	672621	6.93	
61 Hexachloroethane	117	3.913	3.918	-0.005	87	174670	6.59	
62 Nitrobenzene	77	3.956	3.960	-0.004	78	683585	6.92	
64 Isophorone	82	4.143	4.147	-0.004	95	1143658	6.86	
66 2-Nitrophenol	139	4.207	4.211	-0.004	81	201890	7.22	
65 2,4-Dimethylphenol	107	4.223	4.227	-0.004	97	348652	5.19	
70 Bis(2-chloroethoxy)methane	93	4.303	4.302	0.001	98	658650	7.04	
71 Benzoic acid	122	4.255	4.313	-0.058	76	20625	0.5517	
73 2,4-Dichlorophenol	162	4.399	4.404	-0.005	91	283639	6.95	
74 1,2,4-Trichlorobenzene	180	4.474	4.473	0.001	85	298406	6.75	
75 Naphthalene	128	4.543	4.548	-0.005	98	1090133	6.79	
76 4-Chloroaniline	127	4.575	4.575	0.0	77	314197	4.63	
79 Hexachlorobutadiene	225	4.634	4.633	0.001	89	168584	6.71	
84 Caprolactam	113	4.853	4.879	-0.026	78	159617	7.47	
82 Quinoline	129	4.816	4.888	-0.072	91	721186	6.89	
86 4-Chloro-3-methylphenol	107	4.965	4.970	-0.005	85	450325	7.37	
94 Safrole, Total	162	5.029	5.102	-0.073	71	271810	6.72	
87 2-Methylnaphthalene	142	5.115	5.114	0.001	85	687663	6.81	
88 1-Methylnaphthalene	142	5.195	5.194	0.001	80	641802	6.87	
89 Hexachlorocyclopentadiene	237	5.238	5.242	-0.004	86	182200	6.32	
92 2,4,6-Trichlorophenol	196	5.339	5.339	0.0	87	131544	4.59	
93 2,4,5-Trichlorophenol	196	5.371	5.376	-0.005	84	187663	6.31	
98 1,1'-Biphenyl	154	5.494	5.499	-0.005	96	858542	6.73	
100 2-Chloronaphthalene	162	5.521	5.520	0.001	97	637681	6.75	
102 2-Nitroaniline	65	5.590	5.595	-0.005	71	391322	7.61	
105 Dimethyl phthalate	163	5.740	5.739	0.001	93	790066	7.30	
106 1,3-Dinitrobenzene	168	5.767	5.771	-0.004	74	139872	7.53	
104 1,4-Dinitrobenzene	168	5.708	5.780	-0.072	81	124915	7.47	
107 2,6-Dinitrotoluene	165	5.793	5.793	0.0	77	183961	7.40	
109 Acenaphthylene	152	5.868	5.867	0.001	91	1060184	6.95	
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138	5.932	5.937	-0.005	86	190204	6.39	
112 Acenaphthene	153	6.012	6.012	0.0	93	639304	6.92	
111 2,4-Dinitrophenol	184	6.023	6.022	0.001	60	92304	5.91	
113 4-Nitrophenol	109	6.066	6.070	-0.004	85	150467	6.12	
114 2,4-Dinitrotoluene	165	6.130	6.129	0.001	80	253924	7.72	
116 Dibenzofuran	168	6.157	6.156	0.001	84	942630	7.04	
119 2,3,4,6-Tetrachlorophenol	232	6.253	6.252	0.001	77	119348	4.68	
118 2,3,5,6-Tetrachlorophenol	232	6.215	6.293	-0.078	86	124789	5.29	
121 Diethyl phthalate	149	6.327	6.332	-0.005	94	790138	7.52	
123 4-Chlorophenyl phenyl ether	204	6.434	6.434	0.0	92	371739	7.17	
126 Fluorene	166	6.445	6.444	0.001	80	768568	7.10	
125 4-Nitroaniline	138	6.445	6.450	-0.005	67	210288	7.11	
128 4,6-Dinitro-2-methylphenol	198	6.472	6.476	-0.004	73	149679	7.01	
131 N-Nitrosodiphenylamine	169	6.530	6.535	-0.005	98	565702	7.41	
133 Azobenzene	77	6.568	6.573	-0.005	94	1523838	7.15	
132 1,2-Diphenylhydrazine	77	6.568	6.573	-0.005	100	1523990	7.15	
139 4-Bromophenyl phenyl ether	248	6.846	6.850	-0.004	72	191323	7.09	
137 Phenacetin	108	6.776	6.854	-0.078	67	554211	7.02	
138 Phorate	121	6.776	6.854	-0.078	87	182755	6.88	
141 Hexachlorobenzene	284	6.904	6.909	-0.005	79	178592	6.86	
142 Atrazine	200	6.969	6.973	-0.004	82	234737	7.54	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.070	7.069	0.001	80	58597	3.50	
144 Pronamide	173	7.102	7.174	-0.072	86	330308	6.86	
148 Phenanthrene	178	7.257	7.256	0.001	99	1153923	7.05	
149 Anthracene	178	7.300	7.299	0.001	99	1173213	7.12	
151 Carbazole	167	7.423	7.427	-0.004	83	1048649	7.00	
154 Di-n-butyl phthalate	149	7.695	7.700	-0.005	99	1365804	7.26	
159 Fluoranthene	202	8.256	8.255	0.001	99	1258162	7.16	
161 Pyrene	202	8.448	8.453	-0.005	94	1278710	7.26	
164 Chlorobenzilate	139	8.710	8.788	-0.078	81	436875	7.01	
168 Butyl benzyl phthalate	149	8.961	8.961	0.0	87	601674	7.40	
175 3,3'-Dichlorobenzidine	252	9.415	9.420	-0.005	67	235438	4.24	
173 Bis(2-ethylhexyl) phthalate	149	9.431	9.431	0.0	92	871242	7.84	
177 Benzo[a]anthracene	228	9.453	9.452	0.001	99	1239809	7.41	
178 Chrysene	228	9.485	9.484	0.001	93	1131260	7.19	
180 Di-n-octyl phthalate	149	9.965	9.965	0.0	99	1502922	7.39	
182 Benzo[b]fluoranthene	252	10.393	10.392	0.001	93	1100094	6.98	
183 Benzo[k]fluoranthene	252	10.420	10.419	0.001	95	1133549	6.93	
184 Benzo[a]pyrene	252	10.735	10.739	-0.004	78	975726	6.63	
188 Indeno[1,2,3-cd]pyrene	276	12.188	12.193	-0.005	94	1125738	7.19	
189 Dibenz(a,h)anthracene	278	12.204	12.209	-0.005	79	973607	7.43	
190 Benzo[g,h,i]perylene	276	12.615	12.620	-0.005	94	951953	7.23	

QC Flag Legend

Review Flags
M - Manually Integrated

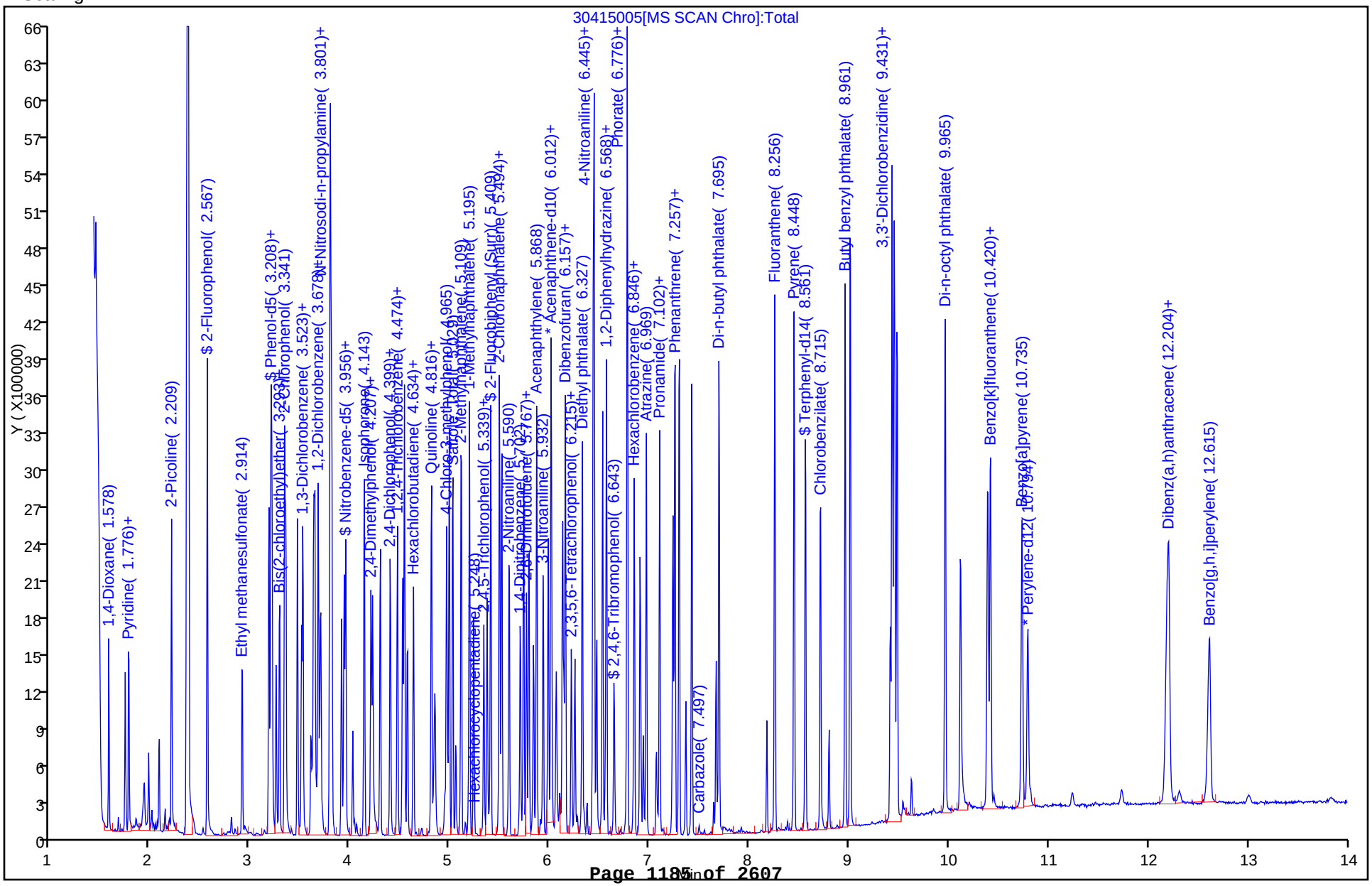
Report Date: 16-Apr-2013 10:48:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415005.D

Injection Date:	15-Apr-2013 11:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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

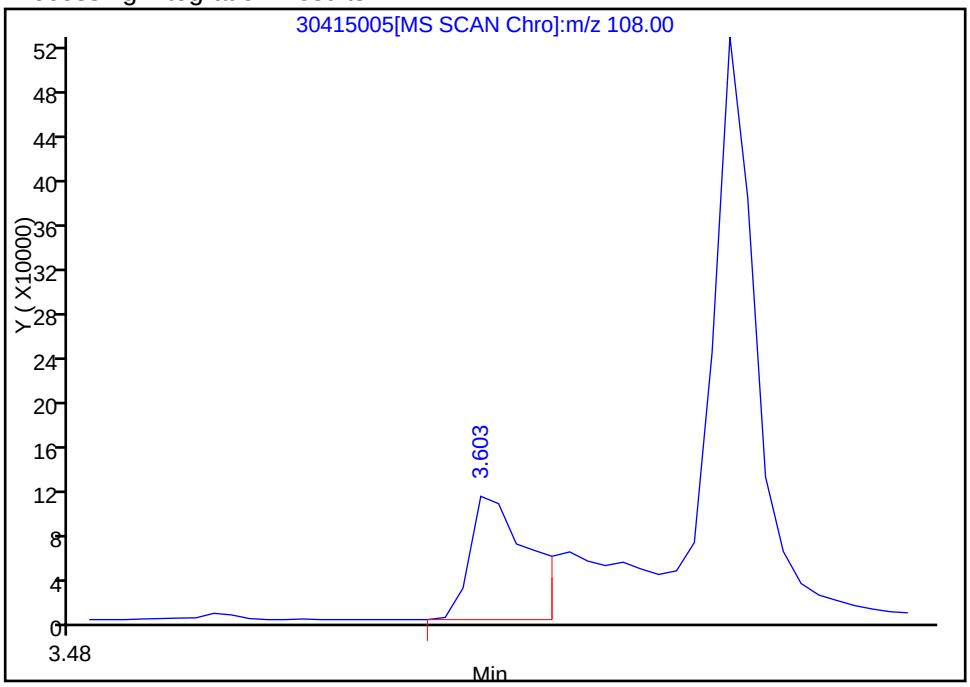
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415005.D		
Injection Date:	15-Apr-2013 11:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

49 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 3.61

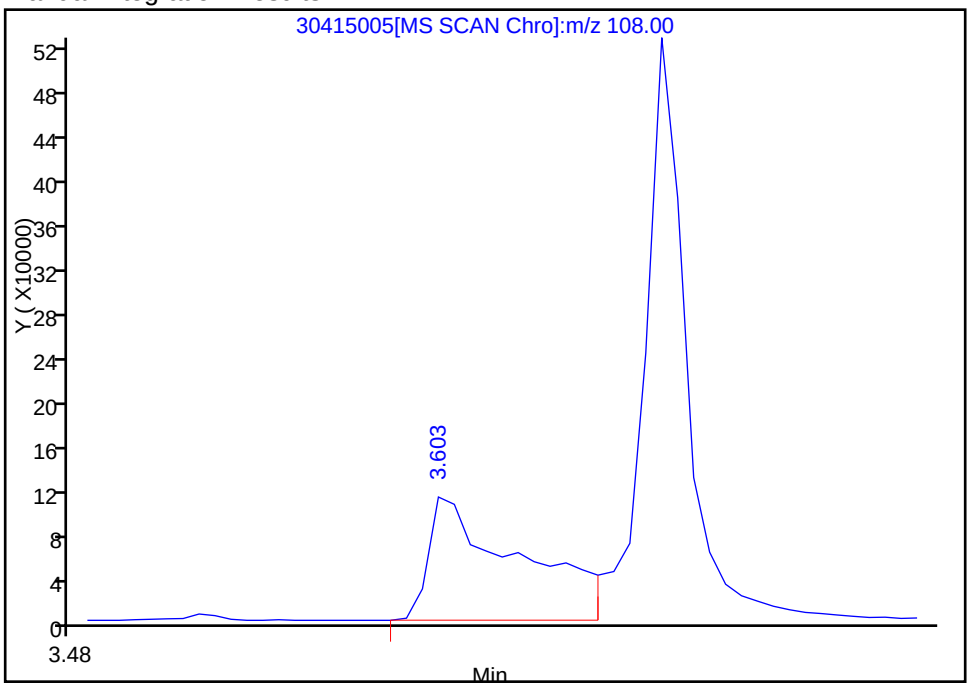
Processing Integration Results

RT: 3.60
Response: 138440
Amount: 3.102494



Manual Integration Results

RT: 3.60
Response: 233794
Amount: 5.239414



Reviewer: ulmanm, 15-Apr-2013 11:26:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/3

Matrix: Solid | Lab File ID: 30415003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 10:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.97		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.00		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.00		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.91		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.96		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.26		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.01		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.08	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.52		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.19		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.07		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.96		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.84		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.08		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.15		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.03		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.04		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.01		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.06		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.96		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.09		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.95		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.81		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.98		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.94		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	5.02		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.98		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.3		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.18		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.04		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.14		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.92		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.95		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/3

Matrix: Solid | Lab File ID: 30415003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 10:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	10.0		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.33		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.18		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.09		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.00		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.00		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.87		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.86		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.09		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.01		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.86		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.04		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.07		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.02		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.72		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.02		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.84		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.05		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.98		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.12		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.05		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.35		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	9.62		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	9.95		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.05		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.95		0.00020	0.00010	0.00010
108-95-2	Phenol	5.24		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.00		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.12		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.18		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.91		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/3

Matrix: Solid | Lab File ID: 30415003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 10:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	101		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	96		50-150
4165-62-2	Phenol-d5 (Surr)	101	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	98		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	96		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415003.D
Lims ID: mrl qc Client ID:
Inject. Date: 15-Apr-2013 10:22:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018860-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 81882 Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 15-Apr-2013 10:46:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.517	3.517	0.0	95	144633	4.00	
* 2 Naphthalene-d8	136	4.527	4.527	0.0	98	619215	4.00	
* 3 Acenaphthene-d10	164	5.986	5.985	0.001	84	354007	4.00	
* 4 Phenanthrene-d10	188	7.236	7.235	0.001	96	593236	4.00	
* 5 Chrysene-d12	240	9.463	9.463	0.0	77	608942	4.00	
* 6 Perylene-d12	264	10.799	10.793	0.006	96	504551	4.00	
$ 7 2-Fluorophenol	112	2.551	2.555	-0.004	94	325765	5.17	
$ 8 Phenol-d5	99	3.202	3.202	0.0	95	443097	5.03	
$ 9 Nitrobenzene-d5	82	3.939	3.944	-0.005	84	458795	4.78	
$ 10 2-Fluorobiphenyl (Surr)	172	5.414	5.408	0.006	98	505617	5.05	
$ 11 2,4,6-Tribromophenol	330	6.648	6.647	0.001	78	54739	4.82	
$ 12 Terphenyl-d14	244	8.566	8.565	0.001	97	561516	4.89	
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.557	1.556	0.001	90	160228	5.35	
26 N-Nitrosodimethylamine	74	1.728	1.733	-0.005	86	277016	5.03	
27 Pyridine	79	1.760	1.759	0.001	94	449517	5.06	
28 Ethyl methacrylate	69		2.103					
31 2-Picoline	93		2.270					
29 3-Chloropropionitrile	54		2.284					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					9
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					
41 Benzaldehyde	77	3.192	3.191	0.001	88	733097	10.1	
43 Phenol	94	3.213	3.212	0.001	78	466722	5.24	
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93	3.261	3.266	-0.005	96	593616	4.93	
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93	3.293	3.293	0.0	97	394820	4.96	
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128	3.352	3.357	-0.005	87	251307	5.09	
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146	3.475	3.474	0.001	88	254171	5.02	
48 1,4-Dichlorobenzene	146	3.528	3.528	0.0	82	256667	4.98	
42 Phenylmercaptan	110		3.596					
49 Benzyl alcohol	108	3.608	3.608	0.0	86	181237	4.19	
50 1,2-Dichlorobenzene	146	3.646	3.645	0.001	85	240938	4.97	
51 2-Methylphenol	108	3.678	3.677	0.001	91	336155	5.72	
53 2,2'-oxybis[1-chloropropane]	45	3.704	3.704	0.0	92	392273	4.84	
52 Indene	115	3.715	3.720	-0.005	72	1028085	9.89	
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108	3.795	3.800	-0.005	95	313202	5.02	
57 N-Nitrosodi-n-propylamine	70	3.811	3.811	0.0	75	334453	5.01	
58 Acetophenone	105	3.817	3.821	-0.004	94	472401	5.02	
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					9
61 Hexachloroethane	117	3.918	3.918	0.0	93	124808	4.86	
60 2-Toluidine	106		3.921					
62 Nitrobenzene	77	3.956	3.960	-0.004	75	465293	5.05	
64 Isophorone	82	4.142	4.147	-0.005	95	789460	5.07	
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139	4.212	4.211	0.001	89	139644	5.35	
65 2,4-Dimethylphenol	107	4.228	4.227	0.001	98	322364	5.14	
70 Bis(2-chloroethoxy)methane	93	4.303	4.302	0.001	94	442917	5.07	
71 Benzoic acid	122	4.287	4.313	-0.026	83	316818	9.08	M
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162	4.404	4.404	0.0	92	197196	5.18	
74 1,2,4-Trichlorobenzene	180	4.479	4.473	0.006	83	210981	5.12	
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128	4.548	4.548	0.0	99	725860	4.84	
76 4-Chloroaniline	127	4.575	4.575	0.0	77	317578	5.01	
24 Catechol	110		4.592					
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225	4.639	4.633	0.006	89	119411	5.09	
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113	4.858	4.879	-0.021	81	208965	10.5	
82 Quinoline	129		4.888					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.915					9
85 p-Phenylene diamine	108		4.936					9
86 4-Chloro-3-methylphenol	107	4.971	4.970	0.001	83	288164	5.06	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142	5.115	5.114	0.001	81	473207	5.02	
88 1-Methylnaphthalene	142	5.200	5.194	0.006	78	434084	4.98	
89 Hexachlorocyclopentadiene	237	5.243	5.242	0.001	86	133194	5.01	
91 1,2,4,5-Tetrachlorobenzene	216	5.254	5.253	0.001	92	191595	5.06	
92 2,4,6-Trichlorophenol	196	5.344	5.339	0.005	87	129687	4.91	
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196	5.377	5.376	0.001	86	141896	5.18	
98 1,1'-Biphenyl	154	5.499	5.499	0.0	95	584813	4.98	
100 2-Chloronaphthalene	162	5.521	5.520	0.001	97	431626	4.96	
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					9
102 2-Nitroaniline	65	5.596	5.595	0.001	71	239055	5.05	
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					9
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163	5.740	5.739	0.001	93	490472	4.92	
106 1,3-Dinitrobenzene	168	5.767	5.771	-0.005	78	86504	5.06	
101 Phenyl ether	170		5.773					9
104 1,4-Dinitrobenzene	168		5.780					
107 2,6-Dinitrotoluene	165	5.793	5.793	0.0	71	116616	5.09	
109 Acenaphthylene	152	5.873	5.867	0.006	88	703082	5.00	
108 1,2-Dinitrobenzene	168		5.935					
110 3-Nitroaniline	138	5.937	5.937	0.0	86	136303	4.98	
112 Acenaphthene	153	6.018	6.012	0.006	89	422686	4.97	
111 2,4-Dinitrophenol	184	6.023	6.022	0.001	72	134223	9.33	
113 4-Nitrophenol	109	6.066	6.070	-0.004	87	217701	9.62	
114 2,4-Dinitrotoluene	165	6.130	6.129	0.001	72	156832	5.18	
116 Dibenzofuran	168	6.162	6.156	0.006	84	609228	4.94	
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232	6.258	6.252	0.006	76	111391	4.75	
117 1-Naphthylamine	143		6.293					9
118 2,3,5,6-Tetrachlorophenol	232	6.258	6.293	-0.035	87	111391	5.13	
121 Diethyl phthalate	149	6.327	6.332	-0.005	94	487881	5.04	
120 2-Naphthylamine	143		6.357					9
123 4-Chlorophenyl phenyl ether	204	6.440	6.434	0.006	89	236303	4.95	
126 Fluorene	166	6.445	6.444	0.001	79	486070	4.87	
125 4-Nitroaniline	138	6.450	6.450	0.0	70	139530	5.12	
122 Thionazin	97		6.469					9
128 4,6-Dinitro-2-methylphenol	198	6.472	6.476	-0.004	72	192816	10.0	
124 N-Nitro-o-toluidine	152		6.517					
131 N-Nitrosodiphenylamine	169	6.536	6.535	0.001	98	683825	9.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77	6.573	6.573	0.0	95	944672	4.92	
132 1,2-Diphenylhydrazine	77	6.573	6.573	0.0	99	944239	4.92	
130 Diphenylamine	169		6.603					
127 Tributyl phosphate	99		6.615					9
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					9
228 Diallate Peak 1	86		6.843					9
139 4-Bromophenyl phenyl ether	248	6.851	6.850	0.001	74	125047	5.15	
137 Phenacetin	108		6.854					9
138 Phorate	121		6.854					9
141 Hexachlorobenzene	284	6.910	6.909	0.001	86	113995	4.86	
230 Diallate Peak 2	86		6.918					9
142 Atrazine	200	6.974	6.973	0.001	82	292331	10.4	
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266	7.070	7.069	0.001	82	121442	8.05	
129 4-Aminobiphenyl	169		7.137					9
145 Pentachloronitrobenzene	237		7.153					9
144 Pronamide	173		7.174					9
148 Phenanthrene	178	7.257	7.256	0.001	98	730014	4.95	
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178	7.300	7.299	0.001	98	742464	5.00	
151 Carbazole	167	7.428	7.427	0.001	83	680387	5.04	
150 DFTPP								
152 Methyl parathion	109		7.602					
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149	7.700	7.700	0.0	99	837856	4.95	
155 Ethyl Parathion	97		7.928					
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					
159 Fluoranthene	202	8.261	8.255	0.006	100	792123	5.00	
160 Benzidine	184	8.357	8.357	0.0	98	813570	12.0	
161 Pyrene	202	8.454	8.453	0.001	96	813223	5.00	
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					
229 Aramite Peak 2	185		8.670					
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149	8.966	8.961	0.005	89	377635	5.03	
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252	9.421	9.420	0.001	71	527758	10.3	
173 Bis(2-ethylhexyl) phthalate	149	9.437	9.431	0.006	92	520883	5.08	
177 Benzo[a]anthracene	228	9.453	9.452	0.001	90	759013	4.91	
178 Chrysene	228	9.485	9.484	0.001	93	698731	4.81	
174 4,4'-Methylene bis(2-chloroanili	231		9.488					9
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149	9.971	9.965	0.006	99	913790	5.00	
182 Benzo[b]fluoranthene	252	10.393	10.392	0.001	93	744372	5.26	
183 Benzo[k]fluoranthene	252	10.419	10.419	0.0	86	663415	4.52	
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252	10.740	10.739	0.001	76	654543	4.96	
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276	12.193	12.193	0.0	97	707473	5.04	
189 Dibenz(a,h)anthracene	278	12.209	12.209	0.0	71	586037	4.98	
190 Benzo[g,h,i]perylene	276	12.615	12.620	-0.005	89	591917	5.01	
S 191 Methyl Phenols,Total	100				0		10.7	
S 245 Total Cresols	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 234 2-Isopropylphenol TIC	121		4.500					
T 235 4-isopropylphenol TIC	121		4.700					
T 236 3-isopropylphenol TIC	121		4.700					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
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					
T 197 Hexachlorophene TIC	198		13.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

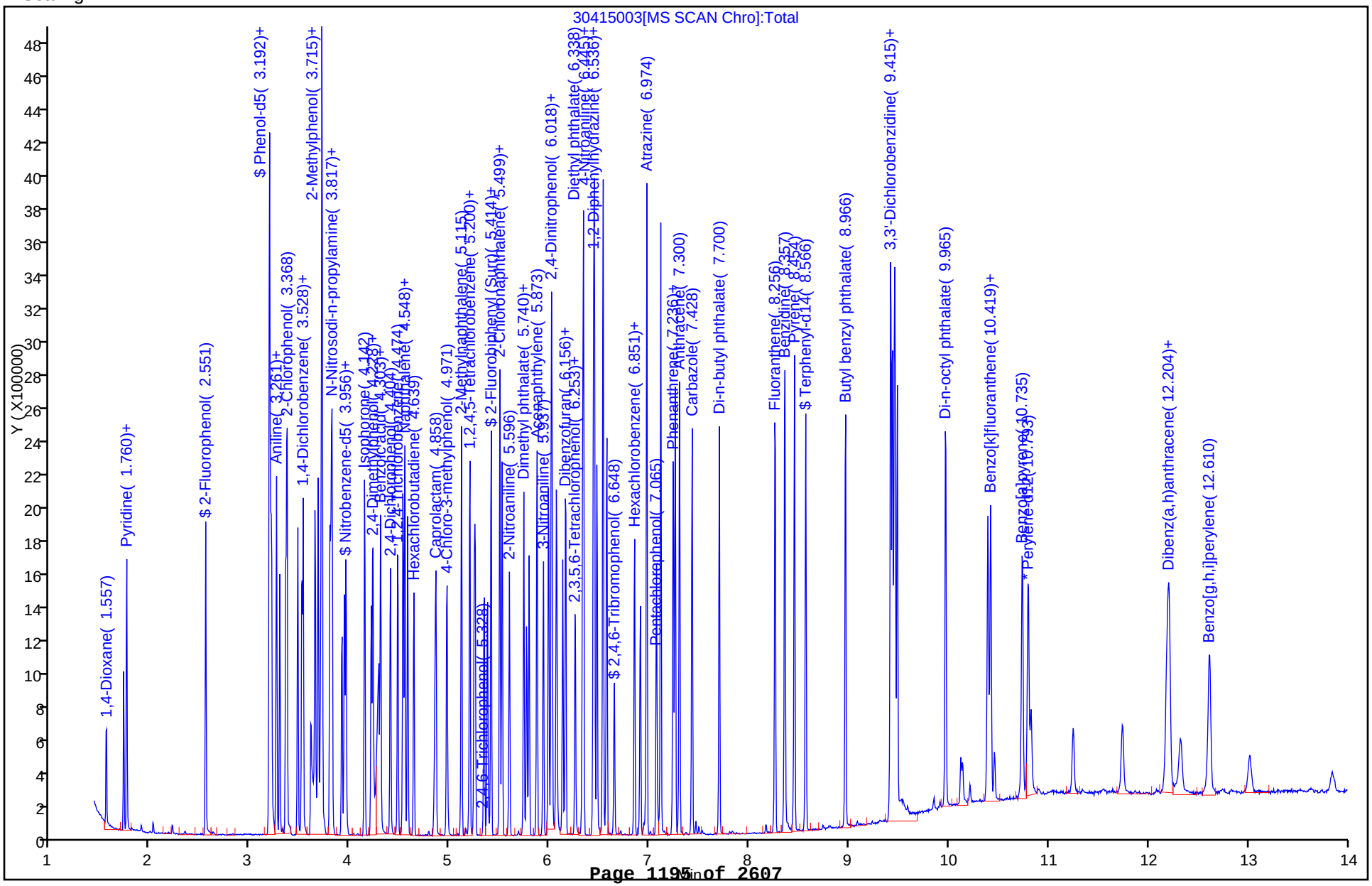
Report Date: 16-Apr-2013 10:48:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415003.D

Injection Date:	15-Apr-2013 10:22:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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

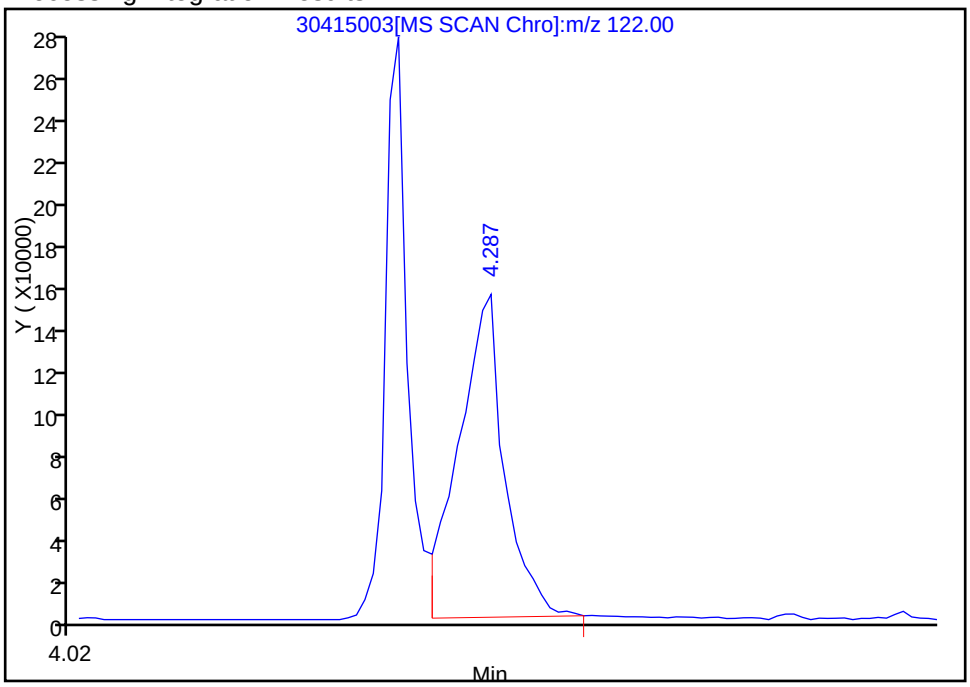
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415003.D		
Injection Date:	15-Apr-2013 10:22:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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: 4.31

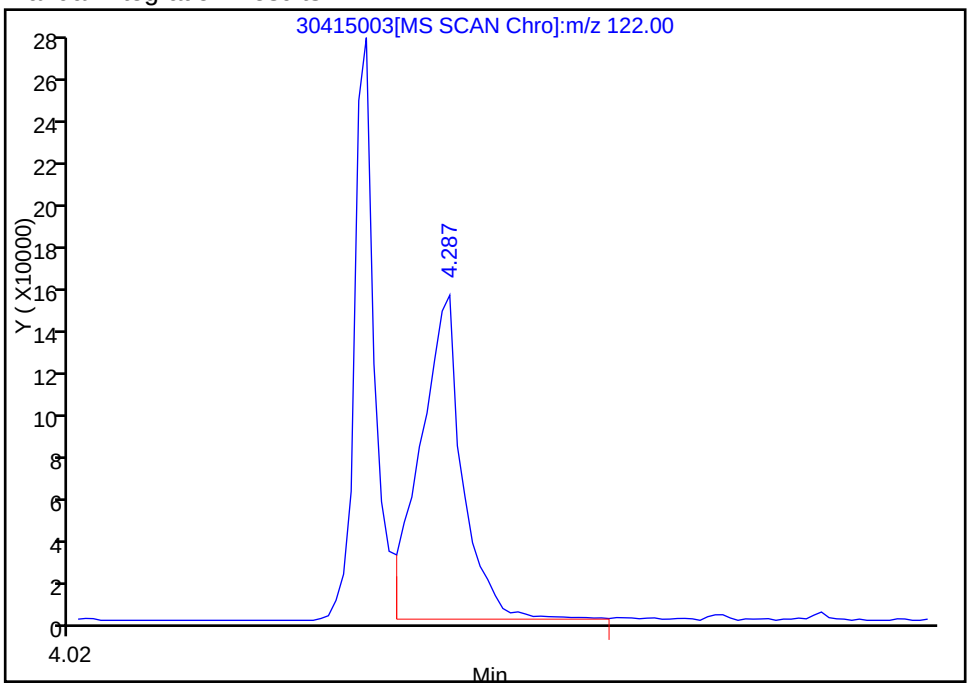
Processing Integration Results

RT: 4.29
Response: 309842
Amount: 8.878491



Manual Integration Results

RT: 4.29
Response: 316818
Amount: 9.078387



Reviewer: ulmanm, 15-Apr-2013 10:46:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/23

Matrix: Solid | Lab File ID: 30415023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 17:01

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.98		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.86		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.99		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.80		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.87		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	4.93		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.32	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.71		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	3.83		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.88		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	4.59		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	4.95		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.05		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.90		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.99		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	4.70		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.03		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.85		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.76		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.06		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.84		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.00		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.79		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.92		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.96		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.95		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.4		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.93		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.03		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.98		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.84		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.99		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/23

Matrix: Solid | Lab File ID: 30415023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 17:01

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	7.26		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	5.00	^	0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.03		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	4.87		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.89		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.97		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.00		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.12		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.24		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.32		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.71		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.93		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.83		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.00		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.66		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.73		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.96		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.98		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.04		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.04		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.88		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.80		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	7.89		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.64		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	10.4		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	5.17	^	0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.82		0.00020	0.00010	0.00010
108-95-2	Phenol	5.01		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.83		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.12		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.06		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.57		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81882/23

Matrix: Solid | Lab File ID: 30415023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/15/2013 17:01

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	100		50-150
367-12-4	2-Fluorophenol (Surr)	100		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	92		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)	93		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415023.D
Lims ID: mrl qccl Client ID:
Inject. Date: 15-Apr-2013 17:01:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018860-023
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 81882 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 16:58:12 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 09:17:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.515	3.517	-0.002	94	125433	4.00	
* 2 Naphthalene-d8	136	4.525	4.527	-0.002	98	532497	4.00	
* 3 Acenaphthene-d10	164	5.983	5.985	-0.002	85	309677	4.00	
* 4 Phenanthrene-d10	188	7.234	7.235	-0.001	96	528286	4.00	
* 5 Chrysene-d12	240	9.461	9.463	-0.002	78	550742	4.00	
* 6 Perylene-d12	264	10.797	10.793	0.004	97	467807	4.00	
$ 7 2-Fluorophenol	112	2.554	2.555	-0.001	94	273272	5.00	
$ 8 Phenol-d5	99	3.200	3.202	-0.002	91	375213	4.92	
$ 9 Nitrobenzene-d5	82	3.943	3.944	-0.001	85	381137	4.61	
$ 10 2-Fluorobiphenyl (Surr)	172	5.412	5.408	0.004	99	437842	5.00	
$ 11 2,4,6-Tribromophenol	330	6.646	6.647	-0.001	77	46198	4.65	
$ 12 Terphenyl-d14	244	8.564	8.565	-0.001	97	501600	4.83	
16 2,3-Dichlorophenol	1		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
20 Dimethylformamide	1		0.000					
19 Octachlorostyrene	1		0.000					
247 Hexadecane	57		0.000					
13 Octachlorocyclopentene	1		0.000					
249 4-Chlorophenol TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.555	1.556	-0.001	91	130320	5.02	
26 N-Nitrosodimethylamine	74	1.731	1.733	-0.002	85	231983	4.86	
27 Pyridine	79	1.758	1.759	-0.001	92	364289	4.73	
28 Ethyl methacrylate	69		2.103					
31 2-Picoline	93		2.270					
29 3-Chloropropionitrile	54		2.284					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
32 N-Nitrosomethylethylamine	88		2.329					
33 Malononitrile	66		2.439					
35 Acrylamide	71		2.500					
34 Methyl methanesulfonate	80		2.521					9
30 3-Picoline	93		2.646					
233 n,n'-Dimethylacetamide	44		2.652					
36 N-Nitrosodiethylamine	102		2.799					
37 Ethyl methanesulfonate	79		2.992					
41 Benzaldehyde	77	3.190	3.191	-0.001	88	614133	9.78	
43 Phenol	94	3.211	3.212	-0.001	94	386978	5.01	
38 2-Methylcyclohexanone	68		3.239					
44 Aniline	93	3.259	3.266	-0.007	96	489644	4.69	
39 3-Methylcyclohexanone	69		3.266					
69 Bis(2-chloroethyl)ether	93	3.291	3.293	-0.002	96	333931	4.84	
40 4-Methylcyclohexanone	55		3.303					
46 2-Chlorophenol	128	3.355	3.357	-0.002	89	203752	4.76	
45 Pentachloroethane	167		3.376					
47 1,3-Dichlorobenzene	146	3.473	3.474	-0.001	85	217887	4.96	
48 1,4-Dichlorobenzene	146	3.526	3.528	-0.002	82	221088	4.95	
42 Phenylmercaptan	110		3.596					
49 Benzyl alcohol	108	3.617	3.608	0.009	86	143630	3.83	
50 1,2-Dichlorobenzene	146	3.649	3.645	0.004	84	206809	4.92	
51 2-Methylphenol	108	3.676	3.677	-0.001	95	288453	5.66	
53 2,2'-oxybis[1-chloropropane]	45	3.702	3.704	-0.002	93	323033	4.59	
52 Indene	115	3.713	3.720	-0.007	72	892720	9.91	
232 1-Methyl-2-pyrrilidinone	99		3.751					
21 3 & 4 Methylphenol	108	3.799	3.800	-0.001	95	255934	4.73	
57 N-Nitrosodi-n-propylamine	70	3.809	3.811	-0.002	76	268858	4.64	
58 Acetophenone	105	3.820	3.821	-0.001	81	397643	4.87	
56 N-Nitrosopyrrolidine	100		3.873					
59 N-Nitrosomorpholine	56		3.900					
61 Hexachloroethane	117	3.916	3.918	-0.002	94	105067	4.71	
60 2-Toluidine	106		3.921					
62 Nitrobenzene	77	3.959	3.960	-0.001	75	386907	4.88	
64 Isophorone	82	4.140	4.147	-0.007	95	647227	4.83	
63 N-Nitrosopiperidine	114		4.151					
66 2-Nitrophenol	139	4.210	4.211	-0.001	86	107650	4.80	
65 2,4-Dimethylphenol	107	4.226	4.227	-0.001	96	268995	4.98	
70 Bis(2-chloroethoxy)methane	93	4.301	4.302	-0.001	99	366153	4.88	
71 Benzoic acid	122	4.269	4.313	-0.044	80	219748	7.32	M
67 1,3,5-Trichlorobenzene	180		4.330					
68 o,o',o''-Triethylphosphorothioat	198		4.349					
73 2,4-Dichlorophenol	162	4.402	4.404	-0.002	91	161306	4.93	
74 1,2,4-Trichlorobenzene	180	4.477	4.473	0.004	86	181709	5.12	
72 alpha,alpha-Dimethyl phenethylam	58		4.477					9
75 Naphthalene	128	4.546	4.548	-0.002	97	639375	4.96	
76 4-Chloroaniline	127	4.573	4.575	-0.002	88	256016	4.70	
24 Catechol	110		4.592					
80 1,2,3-Trichlorobenzene	180		4.631					
79 Hexachlorobutadiene	225	4.637	4.633	0.004	89	105660	5.24	
77 2,6-Dichlorophenol	162		4.658					
78 Hexachloropropene	213		4.690					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
84 Caprolactam	113	4.856	4.879	-0.023	79	164260	9.57	
82 Quinoline	129		4.888					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.915					
85 p-Phenylene diamine	108		4.936					9
86 4-Chloro-3-methylphenol	107	4.968	4.970	-0.002	83	246604	5.03	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
94 Safrole, Total	162		5.102					
87 2-Methylnaphthalene	142	5.113	5.114	-0.001	84	405128	5.00	
88 1-Methylnaphthalene	142	5.198	5.194	0.004	80	372030	4.96	
89 Hexachlorocyclopentadiene	237	5.241	5.242	-0.001	89	100287	4.32	
91 1,2,4,5-Tetrachlorobenzene	216	5.252	5.253	-0.001	92	166590	5.03	
92 2,4,6-Trichlorophenol	196	5.342	5.339	0.003	88	105586	4.57	
225 Isosafrole Peak 1	162		5.342					9
90 1,2,3,5-Tetrachlorobenzene	216		5.345					
93 2,4,5-Trichlorophenol	196	5.374	5.376	-0.002	84	121251	5.06	
98 1,1'-Biphenyl	154	5.497	5.499	-0.002	96	503201	4.90	
100 2-Chloronaphthalene	162	5.519	5.520	-0.001	98	369595	4.85	
227 Isosafrole Peak 2	162		5.529					9
97 2,4-Toluene diamine	121		5.586					9
102 2-Nitroaniline	65	5.593	5.595	-0.002	70	206047	4.98	
99 1,2,3,4 -Tetrachlorobenzene	216		5.596					
246 1-Chloronaphthalene	162		5.615					
96 3,4-Dichloronitrobenzene	109		5.725					9
103 1,4-Naphthoquinone	158		5.737					
105 Dimethyl phthalate	163	5.738	5.739	-0.001	93	422210	4.84	
106 1,3-Dinitrobenzene	168	5.770	5.771	-0.001	79	73345	4.90	
101 Phenyl ether	170		5.773					
104 1,4-Dinitrobenzene	168	5.770	5.780	-0.010	76	73345	5.44	
107 2,6-Dinitrotoluene	165	5.791	5.793	-0.002	73	97658	4.87	
109 Acenaphthylene	152	5.871	5.867	0.004	86	597143	4.86	
108 1,2-Dinitrobenzene	168		5.935					9
110 3-Nitroaniline	138	5.935	5.937	-0.002	86	120760	5.04	
112 Acenaphthene	153	6.016	6.012	0.004	93	370357	4.98	
111 2,4-Dinitrophenol	184	6.021	6.022	-0.001	75	62963	5.00	
113 4-Nitrophenol	109	6.069	6.070	-0.001	86	156151	7.89	
114 2,4-Dinitrotoluene	165	6.128	6.129	-0.001	76	133323	5.03	
116 Dibenzofuran	168	6.154	6.156	-0.002	82	516569	4.79	
115 Pentachlorobenzene	250		6.197					
119 2,3,4,6-Tetrachlorophenol	232	6.256	6.252	0.004	76	93711	4.57	
117 1-Naphthylamine	143		6.293					9
118 2,3,5,6-Tetrachlorophenol	232		6.293					
121 Diethyl phthalate	149	6.325	6.332	-0.007	94	426251	5.03	
120 2-Naphthylamine	143		6.357					9
123 4-Chlorophenyl phenyl ether	204	6.438	6.434	0.004	92	211238	5.06	
126 Fluorene	166	6.443	6.444	-0.001	80	436169	5.00	
125 4-Nitroaniline	138	6.448	6.450	-0.002	76	120102	5.04	
122 Thionazin	97		6.469					
128 4,6-Dinitro-2-methylphenol	198	6.470	6.476	-0.006	71	124330	7.26	
124 N-Nitro-o-toluidine	152		6.517					
131 N-Nitrosodiphenylamine	169	6.534	6.535	-0.001	98	637695	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
133 Azobenzene	77	6.571	6.573	-0.002	95	819043	4.79	
132 1,2-Diphenylhydrazine	77	6.571	6.573	-0.002	99	819043	4.79	
130 Diphenylamine	169	6.534	6.603	-0.069	87	637695	8.23	
127 Tributyl phosphate	99		6.615					9
134 Sulfotepp	202		6.720					
135 1,3,5-Trinitrobenzene	213		6.806					
228 Diallate Peak 1	86		6.843					
139 4-Bromophenyl phenyl ether	248	6.849	6.850	-0.001	72	109192	5.05	
137 Phenacetin	108		6.854					9
138 Phorate	121		6.854					9
141 Hexachlorobenzene	284	6.908	6.909	-0.001	88	106847	5.12	
230 Diallate Peak 2	86		6.918					
142 Atrazine	200	6.972	6.973	-0.001	84	256741	10.3	
140 Dimethoate	87		6.998					9
143 Pentachlorophenol	266	7.073	7.069	0.004	80	69434	5.17	
129 4-Aminobiphenyl	169		7.137					9
145 Pentachloronitrobenzene	237		7.153					9
144 Pronamide	173		7.174					9
148 Phenanthrene	178	7.255	7.256	-0.001	97	633842	4.82	
147 Dinoseb	211		7.281					
146 Disulfoton	88		7.292					9
149 Anthracene	178	7.298	7.299	-0.001	87	660107	4.99	
151 Carbazole	167	7.426	7.427	-0.001	84	600045	4.99	
150 DFTPP								
152 Methyl parathion	109		7.602					
153 Diphenylsulfone	125		7.616					
154 Di-n-butyl phthalate	149	7.698	7.700	-0.002	99	752470	4.99	
155 Ethyl Parathion	97		7.928					
156 4-Nitroquinoline-1-oxide	190		7.970					
157 Methapyrilene	58		8.024					
158 Isodrin	66		8.206					9
159 Fluoranthene	202	8.259	8.255	0.004	99	701510	4.97	
160 Benzidine	184	8.355	8.357	-0.002	98	770766	12.6	
161 Pyrene	202	8.452	8.453	-0.001	95	709383	4.83	
166 4,4'-DDE	246		8.542					9
226 Aramite Peak 1	185		8.606					
229 Aramite Peak 2	185		8.670					
163 p-Dimethylamino azobenzene	225		8.756					
164 Chlorobenzilate	139		8.788					9
165 4,4'-DDD	235		8.799					
168 Butyl benzyl phthalate	149	8.964	8.961	0.003	90	332448	4.90	
167 Famphur	218		8.991					
169 3,3'-Dimethylbenzidine	212		9.034					
170 4,4'-DDT	235		9.050					
176 Hexabromobenzene	232		9.208					
171 2-Acetylaminofluorene	181		9.247					
175 3,3'-Dichlorobenzidine	252	9.418	9.420	-0.002	71	483131	10.4	
173 Bis(2-ethylhexyl) phthalate	149	9.434	9.431	0.003	93	459822	4.95	
177 Benzo[a]anthracene	228	9.451	9.452	-0.001	90	671060	4.80	
178 Chrysene	228	9.483	9.484	-0.001	94	635669	4.84	
174 4,4'-Methylene bis(2-chloroanili	231		9.488					9
172 3,3'-Dimethoxybenzidine	244		9.491					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
179 6-Methylchrysene	242		9.936					
180 Di-n-octyl phthalate	149	9.963	9.965	-0.002	99	827690	4.89	
182 Benzo[b]fluoranthene	252	10.391	10.392	-0.001	85	643053	4.90	
183 Benzo[k]fluoranthene	252	10.417	10.419	-0.002	96	641319	4.71	
181 7,12-Dimethylbenz(a)anthracene	256		10.476					
184 Benzo[a]pyrene	252	10.738	10.739	-0.001	76	596805	4.87	
185 3-Methylcholanthrene	268		11.261					
186 Dibenz[a,j]acridine	279		11.804					
187 Dibenz[a,h]acridine	279		12.004					
188 Indeno[1,2,3-cd]pyrene	276	12.191	12.193	-0.002	98	641641	4.93	
189 Dibenz(a,h)anthracene	278	12.207	12.209	-0.002	65	545059	5.00	
190 Benzo[g,h,i]perylene	276	12.613	12.620	-0.007	87	539352	4.93	
S 191 Methyl Phenols,Total	100				0		10.4	
S 245 Total Cresols	100				0		10.4	
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					
T 235 4-isopropylphenol TIC	121		4.700					
T 236 3-isopropylphenol TIC	121		4.700					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
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					
T 197 Hexachlorophene TIC	198		13.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

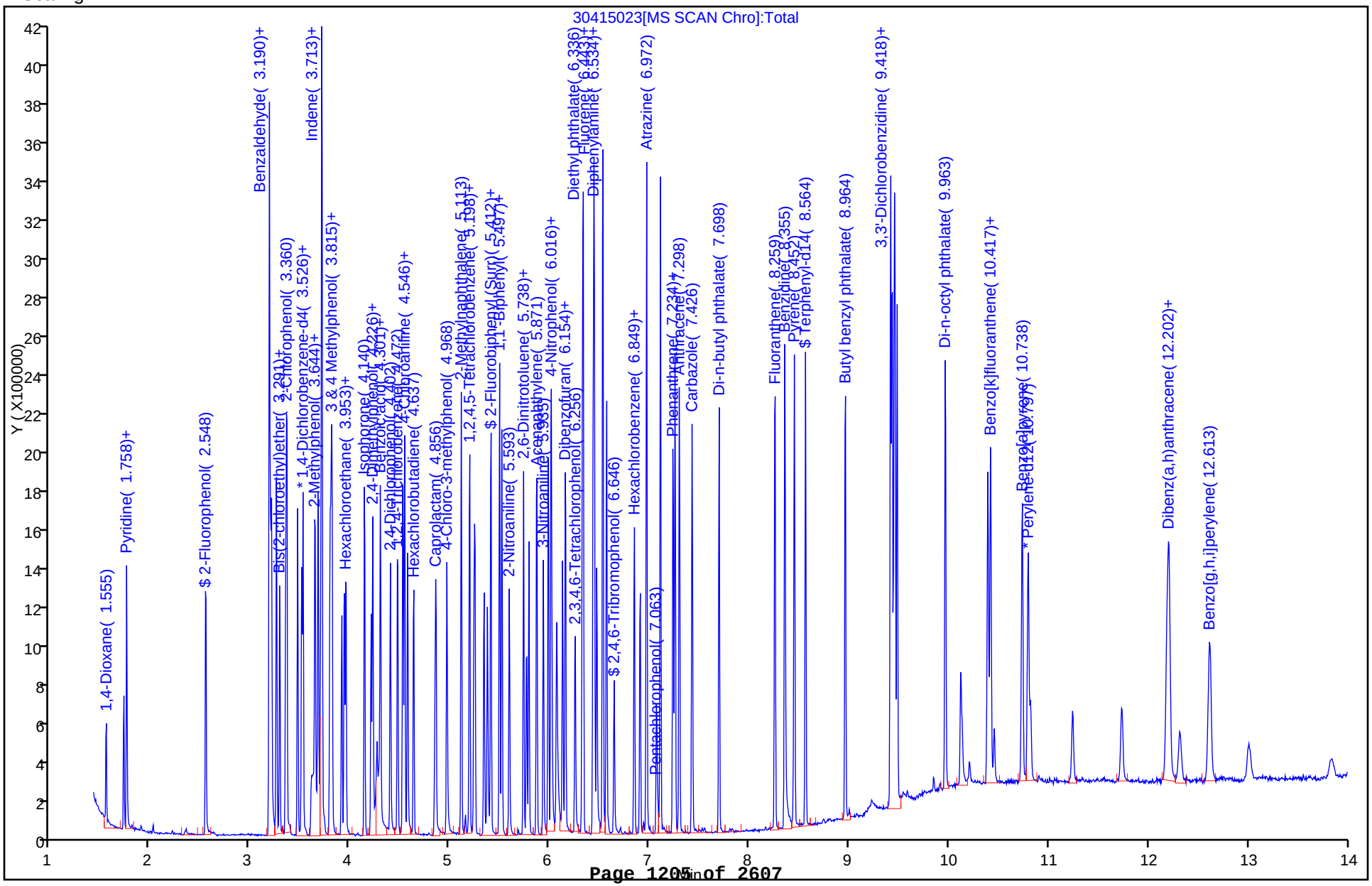
Report Date: 16-Apr-2013 16:58:22 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415023.D

Injection Date:	15-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	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

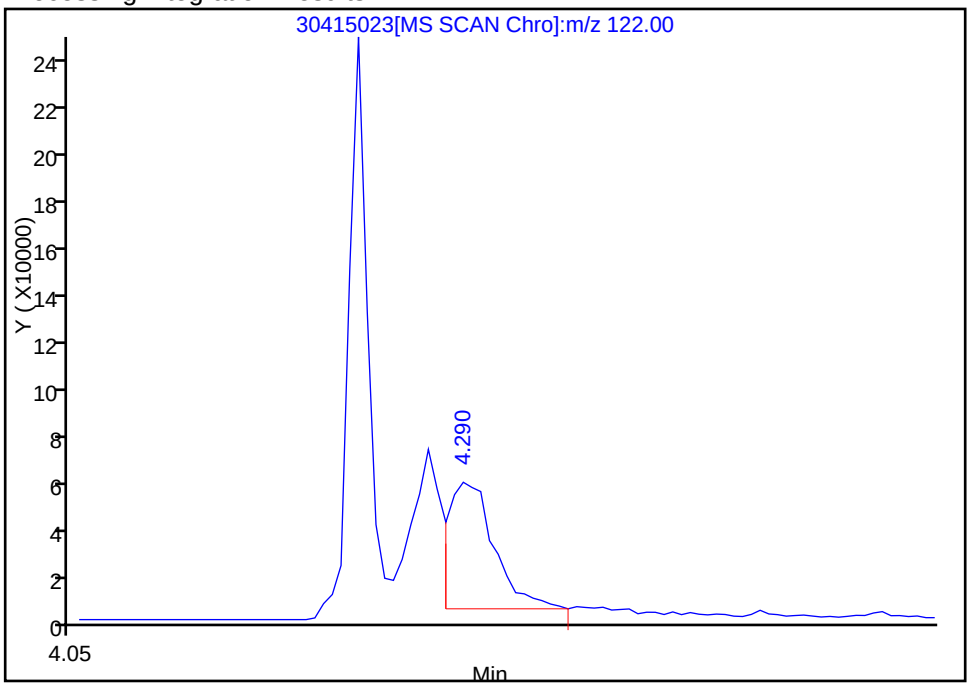
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415023.D		
Injection Date:	15-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	23
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: 4.31

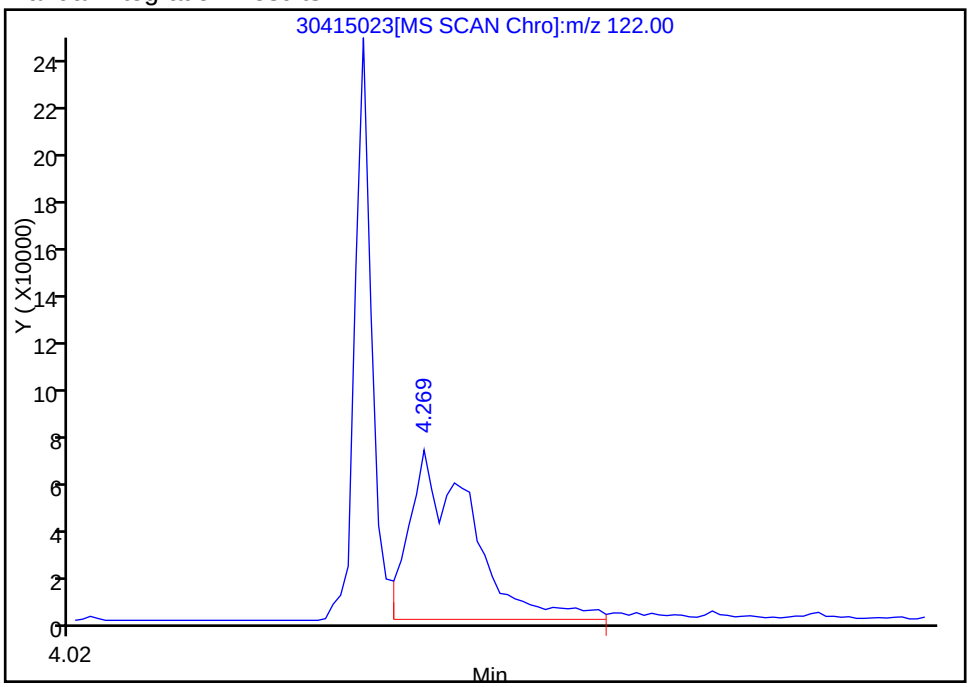
Processing Integration Results

RT: 4.29
Response: 105687
Amount: 3.521638



Manual Integration Results

RT: 4.27
Response: 219748
Amount: 7.322310



Reviewer: ulmanm, 16-Apr-2013 09:17:17
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS | Lab Sample ID: 240-22488-23 MS

Matrix: Solid | Lab File ID: 30415015.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.41(g) | Date Analyzed: 04/15/2013 14:22

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	453		6.6	3.3	3.3
208-96-8	Acenaphthylene	447		6.6	3.3	3.3
120-12-7	Anthracene	434		6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	466		6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	430		6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	468		6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	469		6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	650	330	330
207-08-9	Benzo[k]fluoranthene	446		6.6	3.3	3.3
100-51-6	Benzyl alcohol	351		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	444		99	27	22
111-44-4	Bis(2-chloroethyl)ether	389		99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	406		99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	481		49	27	19
101-55-3	4-Bromophenyl phenyl ether	485		49	27	13
85-68-7	Butyl benzyl phthalate	469		49	27	9.9
86-74-8	Carbazole	429		49	27	27
106-47-8	4-Chloroaniline	73.6	J	150	27	17
59-50-7	4-Chloro-3-methylphenol	480		150	27	21
91-58-7	2-Chloronaphthalene	435		49	3.3	3.3
95-57-8	2-Chlorophenol	451		49	27	27
7005-72-3	4-Chlorophenyl phenyl ether	470		49	27	13
218-01-9	Chrysene	491		6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	468		6.6	3.3	3.3
132-64-9	Dibenzofuran	468		49	3.3	3.3
95-50-1	1,2-Dichlorobenzene	383		49	27	9.6
541-73-1	1,3-Dichlorobenzene	373		49	27	11
106-46-7	1,4-Dichlorobenzene	382		49	27	20
91-94-1	3,3'-Dichlorobenzidine	79	U J	99	79	18
120-83-2	2,4-Dichlorophenol	484		150	27	20
84-66-2	Diethyl phthalate	483		49	27	16
105-67-9	2,4-Dimethylphenol	271		150	79	20
131-11-3	Dimethyl phthalate	467		49	27	17
84-74-2	Di-n-butyl phthalate	459		49	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS | Lab Sample ID: 240-22488-23 MS

Matrix: Solid | Lab File ID: 30415015.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.41(g) | Date Analyzed: 04/15/2013 14:22

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.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	383		150	79	79
51-28-5	2,4-Dinitrophenol	328	J	330	79	79
121-14-2	2,4-Dinitrotoluene	482		200	27	27
606-20-2	2,6-Dinitrotoluene	476		200	27	21
117-84-0	Di-n-octyl phthalate	456		49	27	27
206-44-0	Fluoranthene	484		6.6	3.3	3.3
86-73-7	Fluorene	475		6.6	3.3	3.3
118-74-1	Hexachlorobenzene	452		6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	401		49	27	27
77-47-4	Hexachlorocyclopentadiene	245	J	330	27	27
67-72-1	Hexachloroethane	360		49	27	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	460		6.6	3.3	3.3
78-59-1	Isophorone	437		49	27	13
91-57-6	2-Methylnaphthalene	449		6.6	3.3	3.3
95-48-7	2-Methylphenol	526		200	79	79
15831-10-4	3 & 4 Methylphenol	874		390	79	20
91-20-3	Naphthalene	426		6.6	3.3	3.3
88-74-4	2-Nitroaniline	482		200	27	9.0
99-09-2	3-Nitroaniline	211		200	79	16
100-01-6	4-Nitroaniline	228		200	27	26
98-95-3	Nitrobenzene	420		99	3.3	2.2
88-75-5	2-Nitrophenol	463		49	27	27
100-02-7	4-Nitrophenol	486		330	79	79
621-64-7	N-Nitrosodi-n-propylamine	418		49	27	27
86-30-6	N-Nitrosodiphenylamine	448		49	27	21
87-86-5	Pentachlorophenol	522		150	79	79
85-01-8	Phenanthrene	469		6.6	3.3	3.3
108-95-2	Phenol	490		49	27	27
129-00-0	Pyrene	487		6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	410		49	27	27
95-95-4	2,4,5-Trichlorophenol	506		150	27	25
88-06-2	2,4,6-Trichlorophenol	461		150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS | Lab Sample ID: 240-22488-23 MS

Matrix: Solid | Lab File ID: 30415015.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 30.41(g) | Date Analyzed: 04/15/2013 14:22

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.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	63		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	56		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	69		35-125

Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415015.D
Lims ID: 240-22488-G-23-J MS Client ID:
Inject. Date: 15-Apr-2013 14:22:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0018860-015
Misc. Info.: 240-22488-G-23-J MS =240-22488-G-23-J MS
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 81882 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:58:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.522	3.517	0.005	93	168804	4.00	
* 2 Naphthalene-d8	136	4.526	4.527	-0.001	97	741440	4.00	
* 3 Acenaphthene-d10	164	5.984	5.985	-0.001	77	443120	4.00	
* 4 Phenanthrene-d10	188	7.234	7.235	-0.001	97	774978	4.00	
* 5 Chrysene-d12	240	9.462	9.463	-0.001	80	785302	4.00	
* 6 Perylene-d12	264	10.798	10.793	0.005	97	676067	4.00	
$ 7 2-Fluorophenol	112	2.629	2.555	0.074	96	690149	9.39	
$ 8 Phenol-d5	99	3.217	3.202	0.015	97	1031107	10.0	
$ 9 Nitrobenzene-d5	82	3.944	3.944	0.0	85	644706	5.61	
$ 10 2-Fluorobiphenyl (Surr)	172	5.407	5.408	-0.001	99	807937	6.46	
$ 11 2,4,6-Tribromophenol	330	6.647	6.647	0.0	85	148025	10.4	
$ 12 Terphenyl-d14	244	8.565	8.565	-0.001	98	820031	5.54	
43 Phenol	94	3.228	3.212	0.016	93	773621	7.44	
69 Bis(2-chloroethyl)ether	93	3.303	3.293	0.010	96	548850	5.91	
46 2-Chlorophenol	128	3.367	3.357	0.010	85	395083	6.85	
47 1,3-Dichlorobenzene	146	3.479	3.474	0.005	87	334761	5.67	
48 1,4-Dichlorobenzene	146	3.538	3.528	0.010	84	349007	5.81	
49 Benzyl alcohol	108	3.618	3.608	0.010	83	269698	5.34	
50 1,2-Dichlorobenzene	146	3.655	3.645	0.010	88	329648	5.83	
51 2-Methylphenol	108	3.687	3.677	0.010	92	548395	8.00	
53 2,2'-oxybis[1-chloropropane]	45	3.709	3.704	0.005	95	584249	6.18	
21 3 & 4 Methylphenol	108	3.805	3.800	0.005	94	968437	13.3	
57 N-Nitrosodi-n-propylamine	70	3.810	3.811	-0.001	76	495156	6.35	
61 Hexachloroethane	117	3.917	3.918	-0.001	88	164136	5.47	
62 Nitrobenzene	77	3.960	3.960	0.0	79	704595	6.38	
64 Isophorone	82	4.147	4.147	0.0	95	1238153	6.64	
66 2-Nitrophenol	139	4.211	4.211	0.0	91	219739	7.03	
65 2,4-Dimethylphenol	107	4.227	4.227	0.0	97	309447	4.12	
70 Bis(2-chloroethoxy)methane	93	4.301	4.302	-0.001	98	705752	6.75	
71 Benzoic acid	122		4.313					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162	4.403	4.404	-0.001	91	335571	7.36	
74 1,2,4-Trichlorobenzene	180	4.478	4.473	0.005	84	308013	6.24	
75 Naphthalene	128	4.547	4.548	-0.001	97	1162511	6.48	
76 4-Chloroaniline	127	4.579	4.575	0.004	76	84930	1.12	
79 Hexachlorobutadiene	225	4.638	4.633	0.005	89	170957	6.09	
86 4-Chloro-3-methylphenol	107	4.969	4.970	-0.001	85	498432	7.30	
87 2-Methylnaphthalene	142	5.113	5.114	-0.001	85	770609	6.83	
89 Hexachlorocyclopentadiene	237	5.242	5.242	0.0	90	123832	3.72	
92 2,4,6-Trichlorophenol	196	5.343	5.339	0.004	86	231806	7.01	
93 2,4,5-Trichlorophenol	196	5.375	5.376	-0.001	85	263695	7.69	
100 2-Chloronaphthalene	162	5.520	5.520	0.0	98	720984	6.62	
102 2-Nitroaniline	65	5.594	5.595	-0.001	70	434356	7.33	
105 Dimethyl phthalate	163	5.739	5.739	0.0	93	885554	7.10	
107 2,6-Dinitrotoluene	165	5.792	5.793	-0.001	69	207485	7.24	
109 Acenaphthylene	152	5.872	5.867	0.005	95	1196439	6.80	
110 3-Nitroaniline	138	5.936	5.937	-0.001	85	110064	3.21	
112 Acenaphthene	153	6.011	6.012	-0.001	93	733039	6.89	
111 2,4-Dinitrophenol	184	6.022	6.022	0.0	73	89854	4.99	
113 4-Nitrophenol	109	6.070	6.070	0.0	86	209222	7.39	
114 2,4-Dinitrotoluene	165	6.129	6.129	-0.001	71	277754	7.32	
116 Dibenzofuran	168	6.155	6.156	-0.001	80	1097195	7.11	
121 Diethyl phthalate	149	6.326	6.332	-0.006	94	890786	7.35	
123 4-Chlorophenyl phenyl ether	204	6.433	6.434	-0.001	92	426536	7.14	
126 Fluorene	166	6.444	6.444	0.0	81	902296	7.23	
125 4-Nitroaniline	138	6.449	6.450	-0.001	59	118335	3.47	
128 4,6-Dinitro-2-methylphenol	198	6.470	6.476	-0.006	72	146163	5.82	
131 N-Nitrosodiphenylamine	169	6.535	6.535	-0.001	99	612340	6.82	
139 4-Bromophenyl phenyl ether	248	6.850	6.850	0.0	72	234087	7.38	
141 Hexachlorobenzene	284	6.908	6.909	-0.001	85	210404	6.87	
143 Pentachlorophenol	266	7.069	7.069	0.0	81	156653	7.94	
148 Phenanthrene	178	7.256	7.256	0.0	99	1375652	7.14	
149 Anthracene	178	7.298	7.299	-0.001	98	1279821	6.60	
151 Carbazole	167	7.427	7.427	0.0	83	1151383	6.53	
154 Di-n-butyl phthalate	149	7.699	7.700	-0.001	96	1543759	6.97	
159 Fluoranthene	202	8.260	8.255	0.005	99	1521988	7.36	
161 Pyrene	202	8.452	8.453	-0.001	96	1553264	7.41	
168 Butyl benzyl phthalate	149	8.965	8.961	0.004	89	689284	7.12	
175 3,3'-Dichlorobenzidine	252		9.420					9
173 Bis(2-ethylhexyl) phthalate	149	9.435	9.431	0.004	94	967085	7.31	
177 Benzo[a]anthracene	228	9.451	9.452	-0.001	89	1411925	7.08	
178 Chrysene	228	9.483	9.484	-0.001	94	1398490	7.46	
180 Di-n-octyl phthalate	149	9.970	9.965	0.005	99	1695459	6.93	
182 Benzo[b]fluoranthene	252	10.392	10.392	0.0	95	1348242	7.11	
183 Benzo[k]fluoranthene	252	10.424	10.419	0.005	98	1331852	6.77	
184 Benzo[a]pyrene	252	10.739	10.739	0.0	74	1157444	6.54	
188 Indeno[1,2,3-cd]pyrene	276	12.203	12.193	0.009	98	1316957	7.00	
189 Dibenz(a,h)anthracene	278	12.219	12.209	0.010	69	1121446	7.12	
190 Benzo[g,h,i]perylene	276	12.625	12.620	0.005	93	1128917	7.13	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

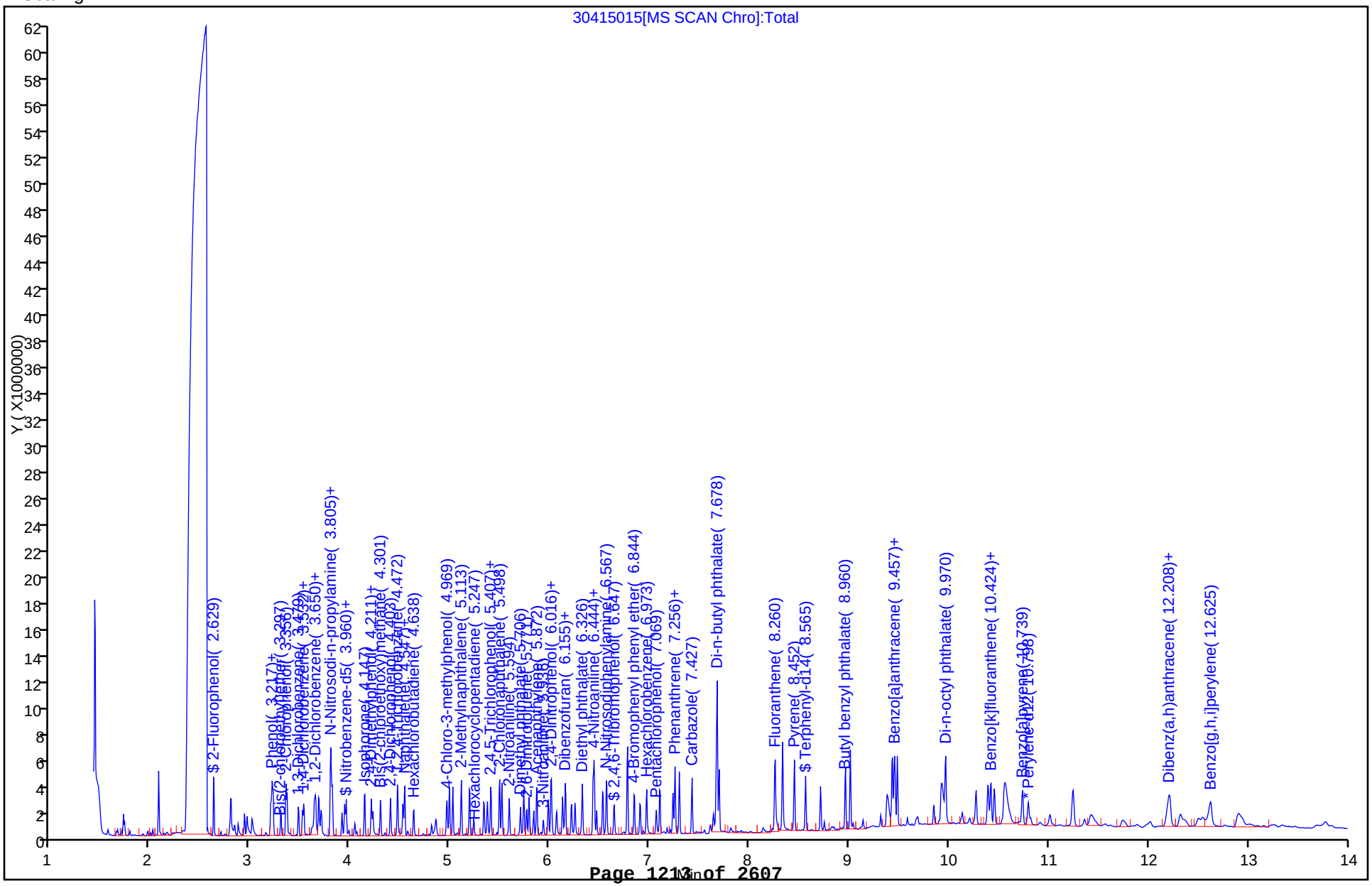
Report Date: 16-Apr-2013 10:48:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415015.D

Injection Date:	15-Apr-2013 14:22:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD | Lab Sample ID: 240-22488-23 MSD

Matrix: Solid | Lab File ID: 30415016.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.79(g) | Date Analyzed: 04/15/2013 14:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	464		6.7	3.3	3.3
208-96-8	Acenaphthylene	457		6.7	3.3	3.3
120-12-7	Anthracene	459		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	496		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	442		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	463		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	487		6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	660	340	340
207-08-9	Benzo[k]fluoranthene	474		6.7	3.3	3.3
100-51-6	Benzyl alcohol	415		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	468		100	27	22
111-44-4	Bis(2-chloroethyl)ether	443		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	449		100	27	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	556		50	27	19
101-55-3	4-Bromophenyl phenyl ether	464		50	27	13
85-68-7	Butyl benzyl phthalate	488		50	27	10
86-74-8	Carbazole	459		50	27	27
106-47-8	4-Chloroaniline	130	J	150	27	17
59-50-7	4-Chloro-3-methylphenol	522		150	27	21
91-58-7	2-Chloronaphthalene	442		50	3.3	3.3
95-57-8	2-Chlorophenol	492		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	503		50	27	13
218-01-9	Chrysene	499		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	498		6.7	3.3	3.3
132-64-9	Dibenzofuran	471		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	437		50	27	9.8
541-73-1	1,3-Dichlorobenzene	423		50	27	11
106-46-7	1,4-Dichlorobenzene	427		50	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U J	100	81	18
120-83-2	2,4-Dichlorophenol	497		150	27	20
84-66-2	Diethyl phthalate	525		50	27	16
105-67-9	2,4-Dimethylphenol	169	J	150	81	20
131-11-3	Dimethyl phthalate	503		50	27	17
84-74-2	Di-n-butyl phthalate	497		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD | Lab Sample ID: 240-22488-23 MSD

Matrix: Solid | Lab File ID: 30415016.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.79(g) | Date Analyzed: 04/15/2013 14:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	324		150	81	81
51-28-5	2,4-Dinitrophenol	282	J	330	81	81
121-14-2	2,4-Dinitrotoluene	522		200	27	27
606-20-2	2,6-Dinitrotoluene	512		200	27	21
117-84-0	Di-n-octyl phthalate	491		50	27	27
206-44-0	Fluoranthene	525		6.7	3.3	3.3
86-73-7	Fluorene	494		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	446		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	458		50	27	27
77-47-4	Hexachlorocyclopentadiene	237	J	330	27	27
67-72-1	Hexachloroethane	422		50	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	484		6.7	3.3	3.3
78-59-1	Isophorone	463		50	27	13
91-57-6	2-Methylnaphthalene	473		6.7	3.3	3.3
95-48-7	2-Methylphenol	467		200	81	81
15831-10-4	3 & 4 Methylphenol	919		400	81	20
91-20-3	Naphthalene	457		6.7	3.3	3.3
88-74-4	2-Nitroaniline	499		200	27	9.2
99-09-2	3-Nitroaniline	298	J	200	81	16
100-01-6	4-Nitroaniline	326	J	200	27	26
98-95-3	Nitrobenzene	445		100	3.3	2.2
88-75-5	2-Nitrophenol	469		50	27	27
100-02-7	4-Nitrophenol	561		330	81	81
621-64-7	N-Nitrosodi-n-propylamine	451		50	27	27
86-30-6	N-Nitrosodiphenylamine	438		50	27	21
87-86-5	Pentachlorophenol	553		150	81	81
85-01-8	Phenanthrene	480		6.7	3.3	3.3
108-95-2	Phenol	522		50	27	27
129-00-0	Pyrene	491		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	446		50	27	27
95-95-4	2,4,5-Trichlorophenol	539		150	27	25
88-06-2	2,4,6-Trichlorophenol	468		150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD | Lab Sample ID: 240-22488-23 MSD

Matrix: Solid | Lab File ID: 30415016.D

Analysis Method: 8270C/DoD | Date Collected: 03/25/2013 16:45

Extract. Method: 3540C | Date Extracted: 04/04/2013 10:52

Sample wt/vol: 29.79(g) | Date Analyzed: 04/15/2013 14:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	70		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415016.D
Lims ID: 240-22488-G-23-K MSD Client ID:
Inject. Date: 15-Apr-2013 14:42:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0018860-016
Misc. Info.: 240-22488-G-23-K MSD =240-22488-G-23-K MSD
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 81882 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\8270 _9.m
Last Update: 16-Apr-2013 10:48:42 Calib Date: 12-Apr-2013 13:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130412-18804.b\30412010.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: 16-Apr-2013 08:59:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.520	3.517	0.003	92	124618	4.00	
* 2 Naphthalene-d8	136	4.525	4.527	-0.002	98	554865	4.00	
* 3 Acenaphthene-d10	164	5.983	5.985	-0.002	77	346592	4.00	
* 4 Phenanthrene-d10	188	7.233	7.235	-0.002	97	653623	4.00	
* 5 Chrysene-d12	240	9.461	9.463	-0.002	78	706650	4.00	
* 6 Perylene-d12	264	10.796	10.793	0.003	97	612808	4.00	
$ 7 2-Fluorophenol	112	2.618	2.555	0.063	94	537373	9.90	
$ 8 Phenol-d5	99	3.216	3.202	0.014	91	784490	10.3	
$ 9 Nitrobenzene-d5	82	3.942	3.944	-0.002	85	503211	5.85	
$ 10 2-Fluorobiphenyl (Surr)	172	5.412	5.408	0.004	99	616503	6.30	
$ 11 2,4,6-Tribromophenol	330	6.646	6.647	-0.001	78	117371	10.6	
$ 12 Terphenyl-d14	244	8.563	8.565	-0.002	98	732840	5.51	
43 Phenol	94	3.227	3.212	0.015	95	596230	7.77	
69 Bis(2-chloroethyl)ether	93	3.296	3.293	0.003	96	452779	6.60	
46 2-Chlorophenol	128	3.366	3.357	0.009	90	311692	7.33	
47 1,3-Dichlorobenzene	146	3.478	3.474	0.004	88	274941	6.30	
48 1,4-Dichlorobenzene	146	3.531	3.528	0.003	82	282098	6.36	
49 Benzyl alcohol	108	3.633	3.608	0.025	81	230168	6.18	
50 1,2-Dichlorobenzene	146	3.649	3.645	0.004	84	271476	6.50	
51 2-Methylphenol	108	3.686	3.677	0.009	94	352394	6.96	
53 2,2'-oxybis[1-chloropropane]	45	3.707	3.704	0.003	94	467507	6.69	
21 3 & 4 Methylphenol	108	3.804	3.800	0.004	92	736171	13.7	
57 N-Nitrosodi-n-propylamine	70	3.809	3.811	-0.002	76	386311	6.72	
61 Hexachloroethane	117	3.916	3.918	-0.002	89	139103	6.28	
62 Nitrobenzene	77	3.958	3.960	-0.002	79	547037	6.62	
64 Isophorone	82	4.145	4.147	-0.002	95	962975	6.90	
66 2-Nitrophenol	139	4.210	4.211	-0.001	85	163180	6.98	
65 2,4-Dimethylphenol	107	4.226	4.227	-0.001	95	141419	2.51	
70 Bis(2-chloroethoxy)methane	93	4.300	4.302	-0.002	98	545406	6.97	
71 Benzoic acid	122	4.268	4.313	-0.045	80	37041	1.18	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162	4.402	4.404	-0.002	92	252766	7.41	
74 1,2,4-Trichlorobenzene	180	4.477	4.473	0.004	86	245765	6.65	
75 Naphthalene	128	4.546	4.548	-0.002	97	913856	6.81	
76 4-Chloroaniline	127	4.578	4.575	0.003	66	110108	1.94	
79 Hexachlorobutadiene	225	4.637	4.633	0.004	92	143397	6.83	
86 4-Chloro-3-methylphenol	107	4.968	4.970	-0.002	84	397175	7.78	
87 2-Methylnaphthalene	142	5.112	5.114	-0.002	83	594444	7.04	
89 Hexachlorocyclopentadiene	237	5.241	5.242	-0.001	85	91826	3.53	
92 2,4,6-Trichlorophenol	196	5.342	5.339	0.003	87	180083	6.96	
93 2,4,5-Trichlorophenol	196	5.374	5.376	-0.002	85	215499	8.03	
100 2-Chloronaphthalene	162	5.518	5.520	-0.002	98	561510	6.59	
102 2-Nitroaniline	65	5.593	5.595	-0.002	70	344574	7.43	
105 Dimethyl phthalate	163	5.737	5.739	-0.002	93	730819	7.49	
107 2,6-Dinitrotoluene	165	5.791	5.793	-0.002	71	171081	7.63	
109 Acenaphthylene	152	5.871	5.867	0.004	88	935972	6.80	
110 3-Nitroaniline	138	5.935	5.937	-0.002	85	119164	4.44	
112 Acenaphthene	153	6.015	6.012	0.003	93	575837	6.92	
111 2,4-Dinitrophenol	184	6.021	6.022	-0.001	74	59098	4.19	
113 4-Nitrophenol	109	6.069	6.070	-0.001	85	185095	8.35	
114 2,4-Dinitrotoluene	165	6.127	6.129	-0.002	76	230483	7.77	
116 Dibenzofuran	168	6.154	6.156	-0.002	77	847138	7.02	
121 Diethyl phthalate	149	6.325	6.332	-0.007	94	741340	7.82	
123 4-Chlorophenyl phenyl ether	204	6.437	6.434	0.003	93	350388	7.50	
126 Fluorene	166	6.448	6.444	0.004	81	718388	7.35	
125 4-Nitroaniline	138	6.448	6.450	-0.002	57	129696	4.86	
128 4,6-Dinitro-2-methylphenol	198	6.469	6.476	-0.007	71	102427	4.83	
131 N-Nitrosodiphenylamine	169	6.533	6.535	-0.002	99	493831	6.52	
139 4-Bromophenyl phenyl ether	248	6.849	6.850	-0.001	72	184893	6.91	
141 Hexachlorobenzene	284	6.907	6.909	-0.002	84	171402	6.64	
143 Pentachlorophenol	266	7.068	7.069	-0.001	78	137082	8.24	
148 Phenanthrene	178	7.255	7.256	-0.001	99	1162512	7.15	
149 Anthracene	178	7.297	7.299	-0.002	98	1117579	6.83	
151 Carbazole	167	7.426	7.427	-0.001	83	1016713	6.84	
154 Di-n-butyl phthalate	149	7.698	7.700	-0.002	99	1381739	7.40	
159 Fluoranthene	202	8.259	8.255	0.004	100	1364238	7.82	
161 Pyrene	202	8.451	8.453	-0.002	96	1378419	7.31	
168 Butyl benzyl phthalate	149	8.964	8.961	0.003	88	632383	7.26	
175 3,3'-Dichlorobenzidine	252		9.420					
173 Bis(2-ethylhexyl) phthalate	149	9.434	9.431	0.003	94	986417	8.28	
177 Benzo[a]anthracene	228	9.456	9.452	0.004	90	1324289	7.38	
178 Chrysene	228	9.488	9.484	0.004	94	1252773	7.43	
180 Di-n-octyl phthalate	149	9.968	9.965	0.003	99	1622813	7.32	
182 Benzo[b]fluoranthene	252	10.396	10.392	0.004	89	1183724	6.89	
183 Benzo[k]fluoranthene	252	10.422	10.419	0.003	99	1257985	7.06	
184 Benzo[a]pyrene	252	10.738	10.739	-0.001	75	1055308	6.58	
188 Indeno[1,2,3-cd]pyrene	276	12.201	12.193	0.008	94	1229475	7.21	
189 Dibenz(a,h)anthracene	278	12.217	12.209	0.008	72	1059734	7.42	
190 Benzo[g,h,i]perylene	276	12.629	12.620	0.009	90	1040626	7.25	

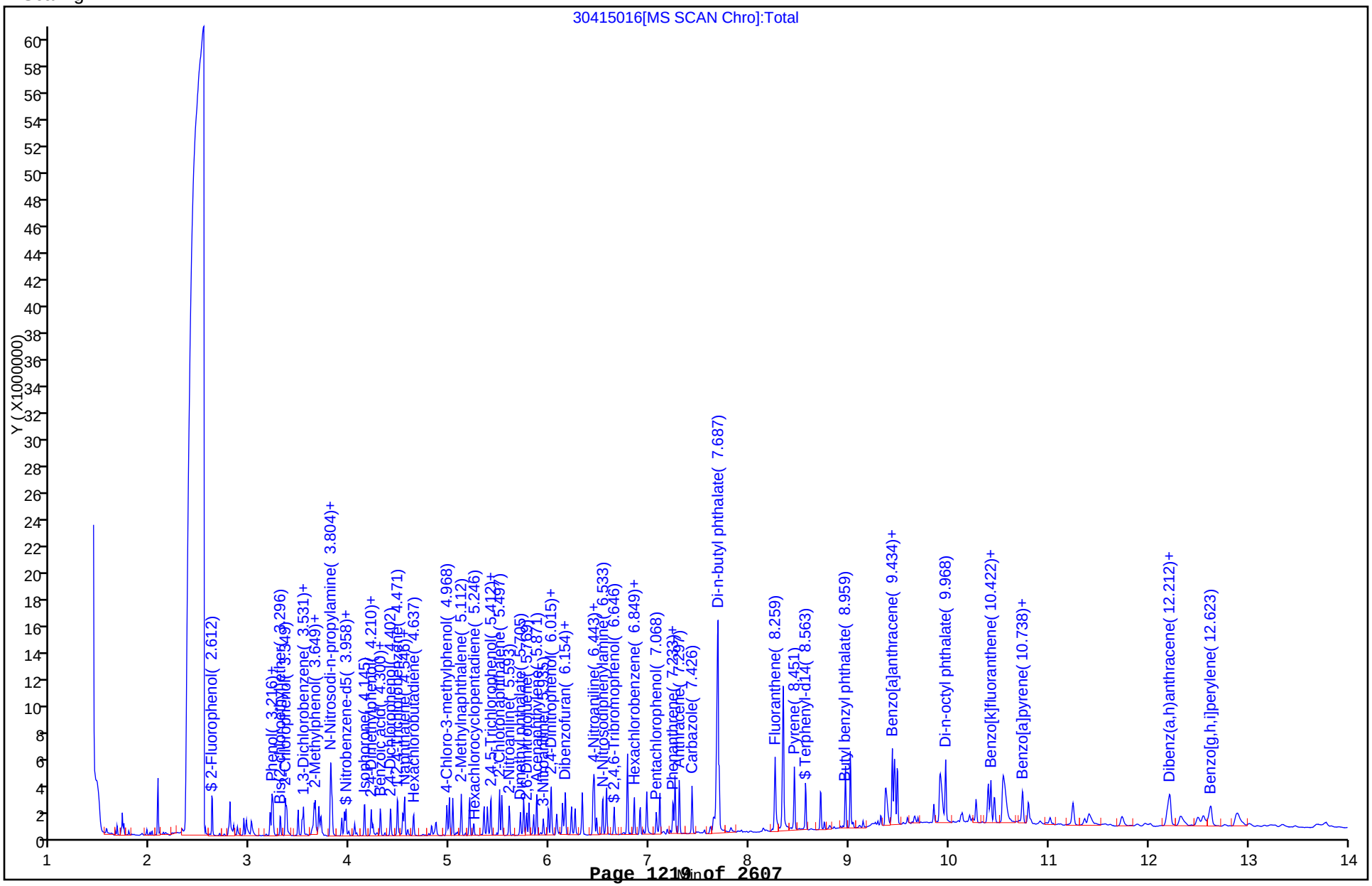
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130415-18860.b\30415016.D

Injection Date:	15-Apr-2013 14:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	81882	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/11/2013 08:37

Analysis Batch Number: 81433 End Date: 04/11/2013 12:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-81433/1		04/11/2013 08:37	1	30411001.D	RXI-5SILMS 0.45(mm)
STD5 240-81433/2 IC		04/11/2013 08:55	1	30411002.D	RXI-5SILMS 0.45(mm)
STD4 240-81433/3 IC		04/11/2013 09:16	1	30411003.D	RXI-5SILMS 0.45(mm)
STD3 240-81433/4 IC		04/11/2013 09:35	1	30411004.D	RXI-5SILMS 0.45(mm)
STD2 240-81433/5 IC		04/11/2013 09:55	1	30411005.D	RXI-5SILMS 0.45(mm)
STD1 240-81433/6 IC		04/11/2013 10:15	1	30411006.D	RXI-5SILMS 0.45(mm)
STD9 240-81433/7 IC		04/11/2013 10:34	1	30411007.D	RXI-5SILMS 0.45(mm)
STD8 240-81433/8 IC		04/11/2013 10:54	1	30411008.D	RXI-5SILMS 0.45(mm)
STD7 240-81433/9 IC		04/11/2013 11:14	1	30411009.D	RXI-5SILMS 0.45(mm)
STD6 240-81433/10 ICIS		04/11/2013 11:34	1	30411010.D	RXI-5SILMS 0.45(mm)
ICV 240-81433/11		04/11/2013 12:15	1	30411011.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/15/2013 09:35

Analysis Batch Number: 81882 End Date: 04/15/2013 18:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-81882/1		04/15/2013 09:35	1	30415001.D	RXI-5SILMS 0.45(mm)
CCV 240-81882/2		04/15/2013 09:55	1	30415002.D	RXI-5SILMS 0.45(mm)
MRL 240-81882/3		04/15/2013 10:22	1	30415003.D	RXI-5SILMS 0.45(mm)
MB 240-80589/12-A		04/15/2013 10:44	1	30415004.D	RXI-5SILMS 0.45(mm)
LCS 240-80589/13-A		04/15/2013 11:04	1	30415005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 11:24	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 11:44	1		RXI-5SILMS 0.45(mm)
240-22488-5	079SB-0130M-0001-SO	04/15/2013 12:43	1	30415010.D	RXI-5SILMS 0.45(mm)
240-22488-7	079SB-0132M-0001-SO	04/15/2013 13:03	1	30415011.D	RXI-5SILMS 0.45(mm)
240-22488-11	079SB-0136M-0001-SO	04/15/2013 13:23	1	30415012.D	RXI-5SILMS 0.45(mm)
240-22488-18	079SB-0144M-0001-SO	04/15/2013 13:43	1	30415013.D	RXI-5SILMS 0.45(mm)
240-22488-23	079SS-0053M-0001-SO	04/15/2013 14:03	1	30415014.D	RXI-5SILMS 0.45(mm)
240-22488-23 MS	079SS-0053M-0001-SO MS	04/15/2013 14:22	1	30415015.D	RXI-5SILMS 0.45(mm)
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/15/2013 14:42	1	30415016.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 15:02	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 15:22	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 15:42	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 16:02	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 16:21	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/15/2013 16:41	1		RXI-5SILMS 0.45(mm)
MRL 240-81882/23		04/15/2013 17:01	1	30415023.D	RXI-5SILMS 0.45(mm)
mdl11 LODV		04/15/2013 17:21	1	30415024.D	RXI-5SILMS 0.45(mm)
mdl12 LODV		04/15/2013 17:40	1	30415025.D	RXI-5SILMS 0.45(mm)
mdl13 LODV		04/15/2013 18:00	1	30415026.D	RXI-5SILMS 0.45(mm)
mdl14 LODV		04/15/2013 18:20	1	30415027.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80589 Batch Start Date: 04/04/13 14:30 Batch Analyst: Shabani, Jawad

Batch Method: 3540C Batch End Date: 04/05/13 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00035	EXBNASURRW 00024	EXRESTEKSPKW 00019	
240-22488-G-5-A	079SB-0130M-0001-SO	3540C, 8270C/DoD	T	30.00 g	2 mL		1 mL		
240-22488-G-7-A	079SB-0132M-0001-SO	3540C, 8270C/DoD	T	30.22 g	2 mL		1 mL		
240-22488-G-11-A	079SB-0136M-0001-SO	3540C, 8270C/DoD	T	29.96 g	2 mL		1 mL		
240-22488-G-18-A	079SB-0144M-0001-SO	3540C, 8270C/DoD	T	30.39 g	2 mL		1 mL		
240-22488-G-23-A	079SS-0053M-0001-SO	3540C, 8270C/DoD	T	30.04 g	2 mL		1 mL		
240-22488-G-23-A MS	079SS-0053M-0001-SO	3540C, 8270C/DoD	T	30.41 g	2 mL	1 mL	1 mL	1 mL	
240-22488-G-23-A MSD	079SS-0053M-0001-SO	3540C, 8270C/DoD	T	29.79 g	2 mL	1 mL	1 mL	1 mL	
MB 240-80589/12		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-80589/13		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	B036
Na2SO4 Lot Number	857442

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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
079SB-0130M-0001-SO	240-22488-5	80	101	80	68
079SB-0132M-0001-SO	240-22488-7	91	97	64	72
079SB-0136M-0001-SO	240-22488-11	82	87	73	68
079SB-0144M-0001-SO	240-22488-18	88	90	73	77
079SS-0053M-0001-SO	240-22488-23	75	92	85	67
	MB 240-80550/10-A	73	90	73	74
	LCS 240-80550/11-A	79	93	76	72
079SS-0053M-0001-SO MS	240-22488-23 MS	80	76	78	71
079SS-0053M-0001-SO MSD	240-22488-23 MSD	74	78	83	83

	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.: 240-22488-1

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 240-81016/6	98	93	114	117
	MRL 240-81016/23	98	92	112	104

	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.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3040821.D

Lab ID: LCS 240-80550/11-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	29.7	89	30-135	
4,4'-DDE	33.3	25.8	77	70-125	
4,4'-DDT	33.3	29.7	89	45-140	
Aldrin	33.3	21.8	65	45-140	
alpha-BHC	33.3	27.9	84	60-125	
alpha-Chlordane	33.3	26.3	79	65-120	
beta-BHC	33.3	26.3	79	60-125	
delta-BHC	33.3	28.0	84	55-130	
Dieldrin	33.3	27.7	83	65-125	
Endosulfan I	33.3	18.6	56	15-135	
Endosulfan II	33.3	24.1	72	35-140	
Endosulfan sulfate	33.3	26.7	80	60-135	
Endrin	33.3	28.7	86	60-135	
Endrin aldehyde	33.3	26.4	79	35-145	
Endrin ketone	33.3	26.5	80	65-135	
gamma-BHC (Lindane)	33.3	28.1	84	60-125	
gamma-Chlordane	33.3	28.4	85	65-125	
Heptachlor	33.3	30.0	90	50-140	
Heptachlor epoxide	33.3	28.1	84	65-130	
Methoxychlor	33.3	29.2	88	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3040806.D

Lab ID: MRL 240-81016/6 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00526	105	70-130	
4,4'-DDD	0.00500	0.00539	108	70-130	
4,4'-DDE	0.00500	0.00499 J	100	70-130	
4,4'-DDE	0.00500	0.00484 J	97	70-130	
4,4'-DDT	0.00500	0.00480 J	96	70-130	
4,4'-DDT	0.00500	0.00458 J	92	70-130	
Aldrin	0.00500	0.00497 J	99	70-130	
Aldrin	0.00500	0.00511	102	70-130	
alpha-BHC	0.00500	0.00474 J	95	70-130	
alpha-BHC	0.00500	0.00481 J	96	70-130	
alpha-Chlordane	0.00500	0.00543	109	70-130	
alpha-Chlordane	0.00500	0.00533	107	70-130	
beta-BHC	0.00500	0.00563	113	70-130	
beta-BHC	0.00500	0.00592	118	70-130	
delta-BHC	0.00500	0.00426 J	85	70-130	
delta-BHC	0.00500	0.00440 J	88	70-130	
Dieldrin	0.00500	0.00512	102	70-130	
Dieldrin	0.00500	0.00508	102	70-130	
Endosulfan I	0.00500	0.00548	110	70-130	
Endosulfan I	0.00500	0.00550	110	70-130	
Endosulfan II	0.00500	0.00536	107	70-130	
Endosulfan II	0.00500	0.00570	114	70-130	
Endosulfan sulfate	0.00500	0.00502	100	70-130	
Endosulfan sulfate	0.00500	0.00521	104	70-130	
Endrin	0.00500	0.00530	106	70-130	
Endrin	0.00500	0.00537	107	70-130	
Endrin aldehyde	0.00500	0.00565	113	70-130	
Endrin aldehyde	0.00500	0.00583	117	70-130	
Endrin ketone	0.00500	0.00544	109	70-130	
Endrin ketone	0.00500	0.00562	112	70-130	
gamma-BHC (Lindane)	0.00500	0.00491 J	98	70-130	
gamma-BHC (Lindane)	0.00500	0.00509	102	70-130	
gamma-Chlordane	0.00500	0.00531	106	70-130	
gamma-Chlordane	0.00500	0.00544	109	70-130	
Heptachlor	0.00500	0.00547	109	70-130	
Heptachlor	0.00500	0.00559	112	70-130	
Heptachlor epoxide	0.00500	0.00542	108	70-130	
Heptachlor epoxide	0.00500	0.00540	108	70-130	
Methoxychlor	0.00500	0.00560 J	112	70-130	
Methoxychlor	0.00500	0.00535 J	107	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.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3040823.D

Lab ID: MRL 240-81016/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00560	112	70-130	
4,4'-DDD	0.00500	0.00581	116	70-130	
4,4'-DDE	0.00500	0.00488 J	98	70-130	
4,4'-DDE	0.00500	0.00487 J	97	70-130	
4,4'-DDT	0.00500	0.00448 J	90	70-130	
4,4'-DDT	0.00500	0.00463 J	93	70-130	
Aldrin	0.00500	0.00502	100	70-130	
Aldrin	0.00500	0.00511	102	70-130	
alpha-BHC	0.00500	0.00481 J	96	70-130	
alpha-BHC	0.00500	0.00491 J	98	70-130	
alpha-Chlordane	0.00500	0.00537	107	70-130	
alpha-Chlordane	0.00500	0.00534	107	70-130	
beta-BHC	0.00500	0.00569	114	70-130	
beta-BHC	0.00500	0.00612	122	70-130	
delta-BHC	0.00500	0.00448 J	90	70-130	
delta-BHC	0.00500	0.00471 J	94	70-130	
Dieldrin	0.00500	0.00507	101	70-130	
Dieldrin	0.00500	0.00512	102	70-130	
Endosulfan I	0.00500	0.00539	108	70-130	
Endosulfan I	0.00500	0.00554	111	70-130	
Endosulfan II	0.00500	0.00542	108	70-130	
Endosulfan II	0.00500	0.00583	117	70-130	
Endosulfan sulfate	0.00500	0.00515	103	70-130	
Endosulfan sulfate	0.00500	0.00551	110	70-130	
Endrin	0.00500	0.00536	107	70-130	
Endrin	0.00500	0.00546	109	70-130	
Endrin aldehyde	0.00500	0.00542	108	70-130	
Endrin aldehyde	0.00500	0.00585	117	70-130	
Endrin ketone	0.00500	0.00541	108	70-130	
Endrin ketone	0.00500	0.00589	118	70-130	
gamma-BHC (Lindane)	0.00500	0.00497 J	99	70-130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70-130	
gamma-Chlordane	0.00500	0.00529	106	70-130	
gamma-Chlordane	0.00500	0.00540	108	70-130	
Heptachlor	0.00500	0.00534	107	70-130	
Heptachlor	0.00500	0.00543	109	70-130	
Heptachlor epoxide	0.00500	0.00546	109	70-130	
Heptachlor epoxide	0.00500	0.00546	109	70-130	
Methoxychlor	0.00500	0.00566 J	113	70-130	
Methoxychlor	0.00500	0.00554 J	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3040818.D

Lab ID: 240-22488-23 MS Client ID: 079SS-0053M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	33.6	0.67 U	28.0	83	30-135	
4,4'-DDE	33.6	0.67 U	25.5	76	70-125	
4,4'-DDT	33.6	0.67 U	29.1	87	45-140	
Aldrin	33.6	1.3 U	22.3	66	45-140	
alpha-BHC	33.6	1.3 U	27.5	82	60-125	
alpha-Chlordane	33.6	1.3 U	24.3	72	65-120	
beta-BHC	33.6	1.3 U	26.4	79	60-125	
delta-BHC	33.6	1.3 U	27.4	82	55-130	
Dieldrin	33.6	0.67 U	27.2	81	65-125	
Endosulfan I	33.6	0.67 U	18.3	54	15-135	
Endosulfan II	33.6	1.3 U	23.4	70	35-140	
Endosulfan sulfate	33.6	1.3 U	26.5	79	60-135	
Endrin	33.6	0.67 U	28.9	86	60-135	
Endrin aldehyde	33.6	1.3 U	25.3	75	35-145	
Endrin ketone	33.6	0.67 U	25.8	77	65-135	
gamma-BHC (Lindane)	33.6	1.3 U	28.0	83	60-125	
gamma-Chlordane	33.6	0.67 U	27.6	82	65-125	
Heptachlor	33.6	1.3 U	30.1	90	50-140	
Heptachlor epoxide	33.6	1.3 U	27.6	82	65-130	
Methoxychlor	33.6	3.3 U	28.3	84	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3040819.D

Lab ID: 240-22488-23 MSD Client ID: 079SS-0053M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	33.6	28.7	86	2	30	30-135	
4,4'-DDE	33.6	25.6	76	0	30	70-125	
4,4'-DDT	33.6	28.9	86	1	30	45-140	
Aldrin	33.6	21.8	65	2	30	45-140	
alpha-BHC	33.6	27.1	81	1	30	60-125	
alpha-Chlordane	33.6	24.3	72	0	30	65-120	
beta-BHC	33.6	26.2	78	1	30	60-125	
delta-BHC	33.6	27.3	81	0	30	55-130	
Dieldrin	33.6	27.2	81	0	30	65-125	
Endosulfan I	33.6	18.3	55	0	30	15-135	
Endosulfan II	33.6	23.8	71	2	30	35-140	
Endosulfan sulfate	33.6	26.4	79	1	30	60-135	
Endrin	33.6	28.9	86	0	30	60-135	
Endrin aldehyde	33.6	25.3	75	0	30	35-145	
Endrin ketone	33.6	26.2	78	2	30	65-135	
gamma-BHC (Lindane)	33.6	27.3	81	2	30	60-125	
gamma-Chlordane	33.6	27.9	83	1	30	65-125	
Heptachlor	33.6	28.5	85	5	30	50-140	
Heptachlor epoxide	33.6	27.5	82	0	30	65-130	
Methoxychlor	33.6	28.0	83	1	30	55-145	

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.: 240-22488-1

SDG No.:

Lab Sample ID: MB 240-80550/10-A

Matrix: Solid Date Extracted: 04/04/2013 09:42

Lab File ID:(1) P3040820.D Lab File ID:(2) P3040820.D

Date Analyzed:(1) 04/08/2013 19:15 Date Analyzed:(2) 04/08/2013 19:15

Instrument ID:(1) A2HP3 Instrument ID:(2) A2HP3

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
079SB-0130M-0001-SO	240-22488-5	04/08/2013 16:54	04/08/2013 16:54
079SB-0132M-0001-SO	240-22488-7	04/08/2013 17:14	04/08/2013 17:14
079SB-0136M-0001-SO	240-22488-11	04/08/2013 17:34	04/08/2013 17:34
079SB-0144M-0001-SO	240-22488-18	04/08/2013 17:54	04/08/2013 17:54
079SS-0053M-0001-SO	240-22488-23	04/08/2013 18:15	04/08/2013 18:15
079SS-0053M-0001-SO MS	240-22488-23 MS	04/08/2013 18:35	04/08/2013 18:35
079SS-0053M-0001-SO MSD	240-22488-23 MSD	04/08/2013 18:55	04/08/2013 18:55
	LCS 240-80550/11-A	04/08/2013 19:35	04/08/2013 19:35

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 240-81016/5 Date Analyzed: 04/08/2013 14:13

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3040805.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				3.56	12.91	
UPPER LIMIT				3.59	12.94	
LOWER LIMIT				3.53	12.88	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-81016/5 CCVRT		04/08/2013 14:13	P3040805.D	3.56	12.91	
CCV 240-81016/12		04/08/2013 16:34	P3040812.D	3.56	12.92	
240-22488-5	079SB-0130M-0001-SO	04/08/2013 16:54	P3040813.D	3.56	12.92	
240-22488-7	079SB-0132M-0001-SO	04/08/2013 17:14	P3040814.D	3.56	12.92	
240-22488-11	079SB-0136M-0001-SO	04/08/2013 17:34	P3040815.D	3.56	12.91	
240-22488-18	079SB-0144M-0001-SO	04/08/2013 17:54	P3040816.D	3.56	12.91	
240-22488-23	079SS-0053M-0001-SO	04/08/2013 18:15	P3040817.D	3.56	12.92	
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 18:35	P3040818.D	3.56	12.92	
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 18:55	P3040819.D	3.56	12.91	
MB 240-80550/10-A		04/08/2013 19:15	P3040820.D	3.56	12.91	
LCS 240-80550/11-A		04/08/2013 19:35	P3040821.D	3.56	12.92	
CCV 240-81016/22		04/08/2013 19:55	P3040822.D	3.56	12.91	

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.: 240-22488-1

SDG No.:

Sample No.: CCV 240-81016/5 Date Analyzed: 04/08/2013 14:13

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3040805.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				4.18	14.40	
UPPER LIMIT				4.21	14.43	
LOWER LIMIT				4.15	14.37	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-81016/5 CCVRT		04/08/2013 14:13	P3040805.D	4.18	14.40	
CCV 240-81016/12		04/08/2013 16:34	P3040812.D	4.18	14.40	
240-22488-5	079SB-0130M-0001-SO	04/08/2013 16:54	P3040813.D	4.19	14.40	
240-22488-7	079SB-0132M-0001-SO	04/08/2013 17:14	P3040814.D	4.18	14.40	
240-22488-11	079SB-0136M-0001-SO	04/08/2013 17:34	P3040815.D	4.18	14.40	
240-22488-18	079SB-0144M-0001-SO	04/08/2013 17:54	P3040816.D	4.18	14.40	
240-22488-23	079SS-0053M-0001-SO	04/08/2013 18:15	P3040817.D	4.18	14.40	
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 18:35	P3040818.D	4.18	14.40	
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 18:55	P3040819.D	4.18	14.40	
MB 240-80550/10-A		04/08/2013 19:15	P3040820.D	4.18	14.40	
LCS 240-80550/11-A		04/08/2013 19:35	P3040821.D	4.18	14.40	
CCV 240-81016/22		04/08/2013 19:55	P3040822.D	4.18	14.40	

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.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS Lab Sample ID: 240-22488-23 MS

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/08/2013 18:35 Date Analyzed (2): 04/08/2013 18:35

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		4.25	4.22	4.28	27.5		13.8
	2		5.07	5.04	5.10	31.6		
gamma-BHC (Lindane)	1		4.64	4.61	4.67	28.0		13.7
	2		5.69	5.66	5.72	32.1		
beta-BHC	1		4.77	4.74	4.80	26.4		8.4
	2		5.88	5.86	5.92	28.7		
delta-BHC	1		4.99	4.96	5.02	27.4		7.9
	2		6.51	6.48	6.54	25.3		
Heptachlor	1		5.28	5.26	5.32	30.1		0.1
	2		6.58	6.55	6.61	30.1		
Aldrin	1		5.75	5.72	5.78	22.3		28.6
	2		7.37	7.34	7.40	29.7		
Heptachlor epoxide	1		7.02	6.99	7.05	27.6		4.3
	2		8.81	8.79	8.85	28.8		
gamma-Chlordane	1		7.33	7.31	7.37	27.6		7.4
	2		9.21	9.18	9.24	29.7		
alpha-Chlordane	1		7.68	7.65	7.71	24.3		13.3
	2		9.51	9.48	9.54	27.8		
Endosulfan I	1		7.95	7.92	7.98	18.3		29.8
	2		9.57	9.55	9.61	24.7		
4,4'-DDE	1		8.04	8.02	8.08	25.5		11.0
	2		9.94	9.91	9.97	28.4		
Dieldrin	1		8.50	8.47	8.53	27.2		10.2
	2		10.09	10.06	10.12	30.1		
Endrin	1		8.95	8.92	8.98	28.9		4.7
	2		10.60	10.58	10.64	30.3		
4,4'-DDD	1		9.31	9.28	9.34	28.0		11.4
	2		10.93	10.90	10.96	31.4		
Endosulfan II	1		9.40	9.37	9.43	23.4		8.3
	2		10.97	10.94	11.00	25.5		
4,4'-DDT	1		9.82	9.80	9.86	29.1		2.6
	2		11.41	11.38	11.44	29.9		
Endrin aldehyde	1		10.19	10.16	10.22	25.3		11.7
	2		11.53	11.50	11.56	28.4		
Methoxychlor	1		10.77	10.74	10.80	28.3		6.2
	2		12.48	12.45	12.51	30.1		
Endosulfan sulfate	1		10.91	10.88	10.94	26.5		9.6
	2		11.94	11.91	11.97	29.2		
Endrin ketone	1		11.31	11.28	11.34	25.8		14.8
	2		12.69	12.66	12.72	29.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD Lab Sample ID: 240-22488-23 MSD

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/08/2013 18:55 Date Analyzed (2): 04/08/2013 18:55

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		4.25	4.22	4.28	27.1		14.4
	2		5.07	5.04	5.10	31.3		
gamma-BHC (Lindane)	1		4.64	4.61	4.67	27.3		14.8
	2		5.69	5.66	5.72	31.7		
beta-BHC	1		4.77	4.74	4.80	26.2		7.4
	2		5.88	5.86	5.92	28.2		
delta-BHC	1		4.99	4.96	5.02	27.3		7.2
	2		6.51	6.48	6.54	25.4		
Heptachlor	1		5.29	5.26	5.32	28.5		0.9
	2		6.58	6.55	6.61	28.8		
Aldrin	1		5.75	5.72	5.78	21.8		29.6
	2		7.37	7.34	7.40	29.4		
Heptachlor epoxide	1		7.02	6.99	7.05	27.5		5.3
	2		8.82	8.79	8.85	29.0		
gamma-Chlordane	1		7.33	7.31	7.37	27.9		7.3
	2		9.21	9.18	9.24	30.0		
alpha-Chlordane	1		7.68	7.65	7.71	24.3		13.8
	2		9.51	9.48	9.54	27.8		
Endosulfan I	1		7.95	7.92	7.98	18.3		29.6
	2		9.58	9.55	9.61	24.7		
4,4'-DDE	1		8.04	8.02	8.08	25.6		10.4
	2		9.94	9.91	9.97	28.4		
Dieldrin	1		8.50	8.47	8.53	27.2		9.7
	2		10.09	10.06	10.12	30.0		
Endrin	1		8.95	8.92	8.98	28.9		4.7
	2		10.60	10.58	10.64	30.3		
4,4'-DDD	1		9.31	9.28	9.34	28.7		10.3
	2		10.93	10.90	10.96	31.8		
Endosulfan II	1		9.40	9.37	9.43	23.8		8.7
	2		10.97	10.94	11.00	26.0		
4,4'-DDT	1		9.82	9.80	9.86	28.9		6.0
	2		11.41	11.38	11.44	30.6		
Endrin aldehyde	1		10.19	10.16	10.22	25.3		12.5
	2		11.53	11.50	11.56	28.6		
Methoxychlor	1		10.77	10.74	10.80	28.0		11.0
	2		12.48	12.45	12.51	31.2		
Endosulfan sulfate	1		10.91	10.88	10.94	26.4		12.4
	2		11.94	11.91	11.97	29.8		
Endrin ketone	1		11.31	11.28	11.34	26.2		16.5
	2		12.69	12.66	12.72	30.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80550/11-A

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/08/2013 19:35 Date Analyzed (2): 04/08/2013 19:35

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		4.25	4.22	4.28	27.9		12.4
	2		5.07	5.04	5.10	31.7		
gamma-BHC (Lindane)	1		4.64	4.61	4.67	28.1		12.2
	2		5.69	5.66	5.72	31.8		
beta-BHC	1		4.77	4.74	4.80	26.3		9.4
	2		5.88	5.86	5.92	28.9		
delta-BHC	1		4.99	4.96	5.02	28.0		9.8
	2		6.51	6.48	6.54	25.4		
Heptachlor	1		5.28	5.26	5.32	30.0		0.5
	2		6.58	6.55	6.61	29.9		
Aldrin	1		5.75	5.72	5.78	21.8		31.2
	2		7.37	7.34	7.40	29.9		
Heptachlor epoxide	1		7.02	6.99	7.05	28.1		8.4
	2		8.82	8.79	8.85	30.6		
gamma-Chlordane	1		7.34	7.31	7.37	28.4		4.9
	2		9.21	9.18	9.24	29.9		
alpha-Chlordane	1		7.68	7.65	7.71	26.3		6.7
	2		9.51	9.48	9.54	28.2		
Endosulfan I	1		7.95	7.92	7.98	18.6		29.0
	2		9.57	9.55	9.61	24.9		
4,4'-DDE	1		8.04	8.02	8.08	25.8		10.1
	2		9.94	9.91	9.97	28.5		
Dieldrin	1		8.50	8.47	8.53	27.7		7.6
	2		10.09	10.06	10.12	29.9		
Endrin	1		8.95	8.92	8.98	28.7		7.3
	2		10.61	10.58	10.64	30.9		
4,4'-DDD	1		9.31	9.28	9.34	29.7		8.7
	2		10.93	10.90	10.96	32.4		
Endosulfan II	1		9.40	9.37	9.43	24.1		9.6
	2		10.97	10.94	11.00	26.5		
4,4'-DDT	1		9.82	9.80	9.86	29.7		1.2
	2		11.41	11.38	11.44	29.4		
Endrin aldehyde	1		10.19	10.16	10.22	26.4		9.2
	2		11.53	11.50	11.56	28.9		
Methoxychlor	1		10.77	10.74	10.80	29.2		2.4
	2		12.48	12.45	12.51	29.9		
Endosulfan sulfate	1		10.91	10.88	10.94	26.7		7.8
	2		11.94	11.91	11.97	28.9		
Endrin ketone	1		11.31	11.28	11.34	26.5		8.2
	2		12.69	12.66	12.72	28.8		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: P3040813.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 17:35

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.28(g) | Date Analyzed: 04/08/2013 16:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.66	U	2.0	0.66	0.61
72-55-9	4,4'-DDE	0.66	U	1.7	0.66	0.39
50-29-3	4,4'-DDT	0.66	U	2.0	0.66	0.62
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.72
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.66	U	1.7	0.66	0.47
959-98-8	Endosulfan I	0.66	U	1.7	0.66	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.86
72-20-8	Endrin	0.66	U	1.7	0.66	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	0.99
53494-70-5	Endrin ketone	0.66	U	2.0	0.66	0.62
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.73
5103-74-2	gamma-Chlordane	0.66	U	1.7	0.66	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.79
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	66	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		55-130
877-09-8	Tetrachloro-m-xylene	80		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040813.D		
Lims ID:	240-22488-G-5-C	Client ID:	079SB-0130M-0001-SO
Inject. Date:	08-Apr-2013 16:54:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	81016	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:18:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17600804	0.0160			
2	100	4.185	4.183	0.002	12229810	0.0202			
						RPD = 23.46			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100	4.629	4.638	-0.009	1683163	0.001157			
2	100	5.689	5.689	0.000	418004	0.000617			
						RPD = 60.80			
7 beta-BHC									
1	100	4.768	4.773	-0.005	1444193	0.002335			
2	100	5.876	5.885	-0.009	1210107	0.004092			
						RPD = 54.68			
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									1
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.917	12.918	-0.001	15452990	0.0161			
2	100	14.399	14.400	-0.001	6495450	0.0135			
						RPD = 17.43			

QC Flag Legend

Processing Flags
1 - Missing Peaks

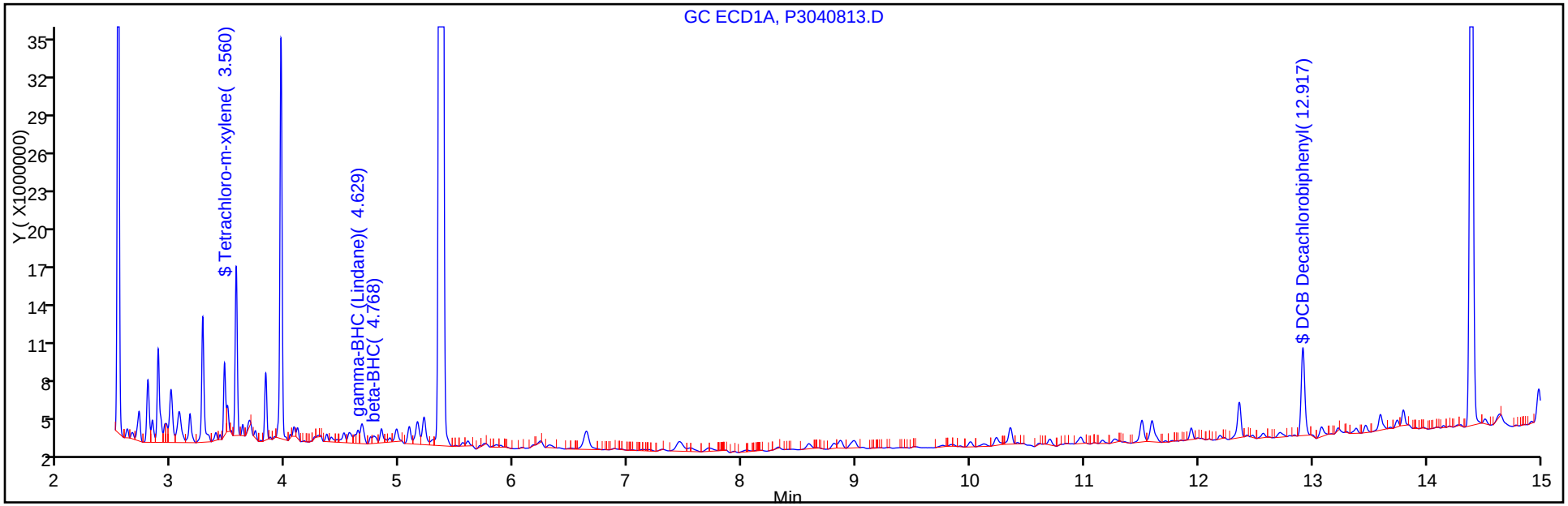
Report Date: 09-Apr-2013 09:28:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

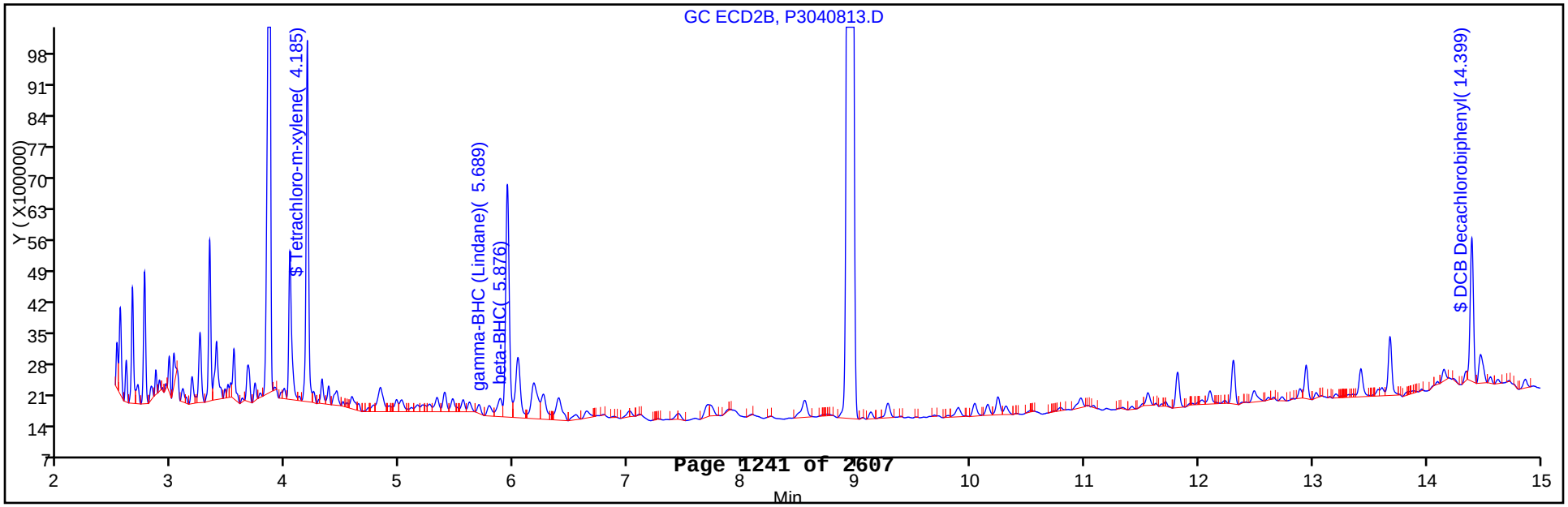
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Injection Date:	08-Apr-2013 16:54:36	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	13
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO Lab Sample ID: 240-22488-5

Matrix: Solid Lab File ID: P3040813.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 17:35

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.28(g) Date Analyzed: 04/08/2013 16:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		55-130
877-09-8	Tetrachloro-m-xylene	101		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040813.D		
Lims ID:	240-22488-G-5-C	Client ID:	079SB-0130M-0001-SO
Inject. Date:	08-Apr-2013 16:54:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	81016	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

First Level Reviewer: shockr Date: 09-Apr-2013 09:18:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17600804	0.0160			
2	100	4.185	4.183	0.002	12229810	0.0202			
						RPD = 23.46			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100	4.629	4.638	-0.009	1683163	0.001157			
2	100	5.689	5.689	0.000	418004	0.000617			
						RPD = 60.80			
7 beta-BHC									
1	100	4.768	4.773	-0.005	1444193	0.002335			
2	100	5.876	5.885	-0.009	1210107	0.004092			
						RPD = 54.68			
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									1
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.917	12.918	-0.001	15452990	0.0161			
2	100	14.399	14.400	-0.001	6495450	0.0135			
						RPD = 17.43			

QC Flag Legend

Processing Flags
1 - Missing Peaks

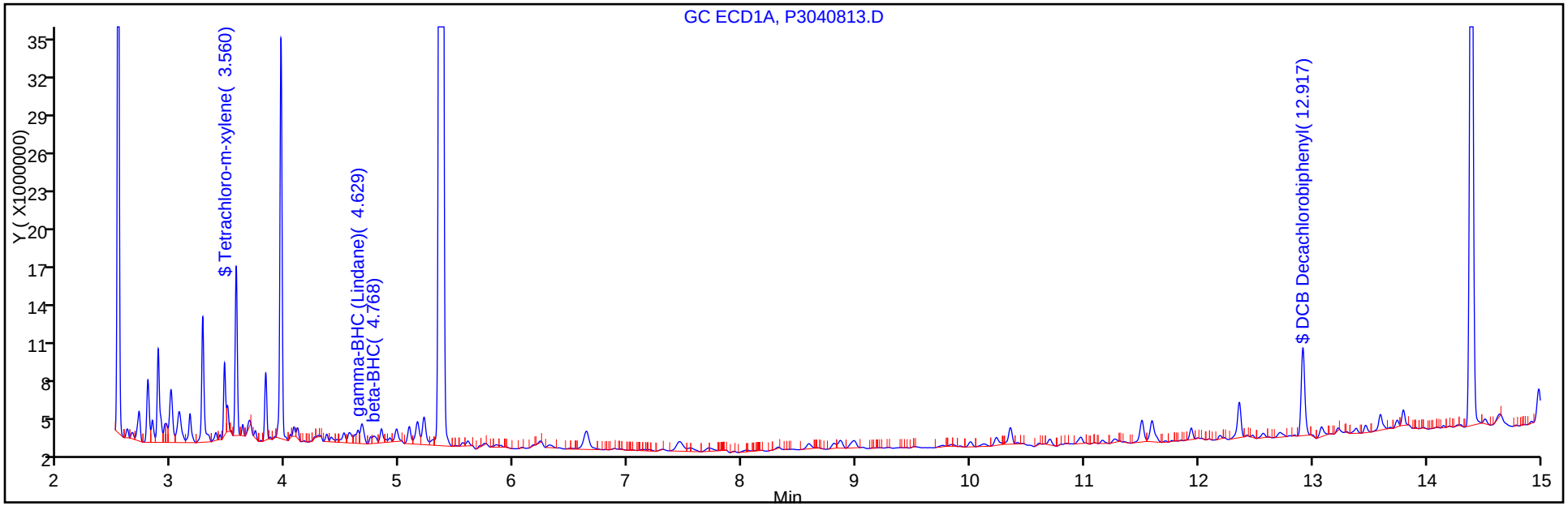
Report Date: 09-Apr-2013 09:28:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

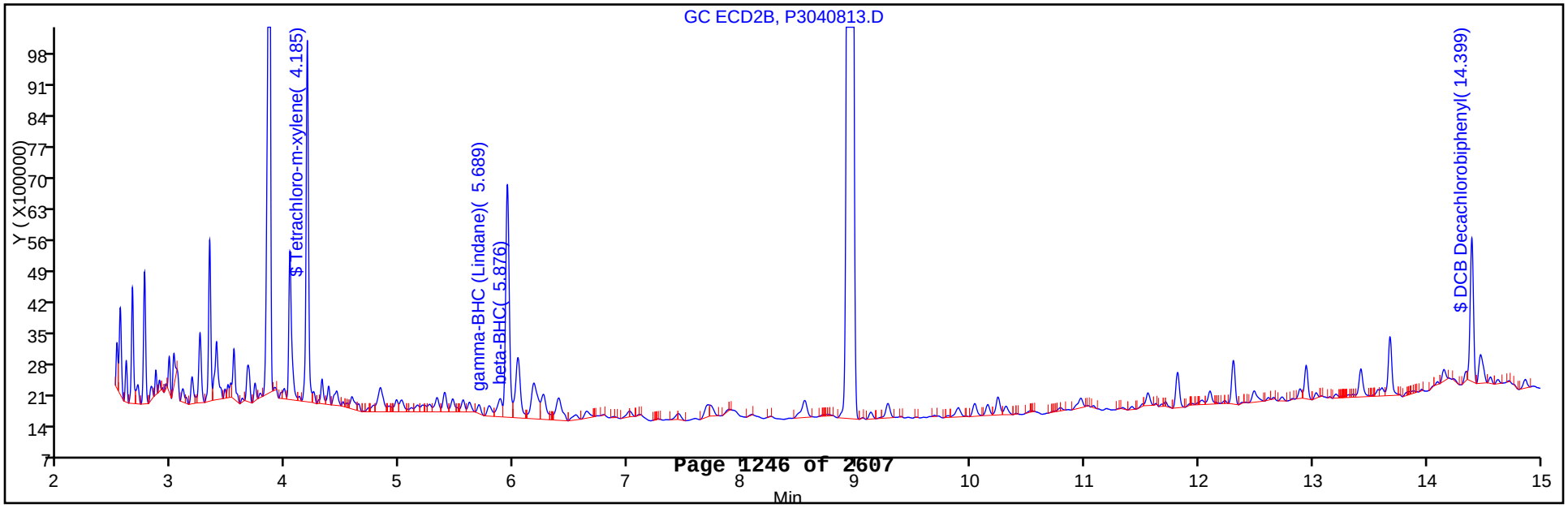
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040813.D

Injection Date:	08-Apr-2013 16:54:36	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	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



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: P3040814.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 16:52

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.47(g) | Date Analyzed: 04/08/2013 17:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.66	U	2.0	0.66	0.61
72-55-9	4,4'-DDE	0.66	U	1.7	0.66	0.38
50-29-3	4,4'-DDT	0.66	U	2.0	0.66	0.62
309-00-2	Aldrin	1.3	U	3.9	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.72
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U	3.4	1.3	1.1
319-86-8	delta-BHC	1.3	U	3.9	1.3	1.2
60-57-1	Dieldrin	0.66	U	1.7	0.66	0.46
959-98-8	Endosulfan I	0.66	U	1.7	0.66	0.51
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.86
72-20-8	Endrin	0.66	U	1.7	0.66	0.49
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	0.98
53494-70-5	Endrin ketone	0.66	U	2.0	0.66	0.62
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.73
5103-74-2	gamma-Chlordane	0.66	U	1.7	0.66	0.41
76-44-8	Heptachlor	1.3	U	3.4	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.79
72-43-5	Methoxychlor	3.2	U	4.9	3.2	1.5
8001-35-2	Toxaphene	20	U	66	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		55-130
877-09-8	Tetrachloro-m-xylene	91		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040814.D		
Lims ID:	240-22488-G-7-C	Client ID:	079SB-0132M-0001-SO
Inject. Date:	08-Apr-2013 17:14:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-014		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	81016	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:18:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	19969842	0.0182			
2	100	4.184	4.183	0.001	11708709	0.0194			
						RPD = 6.58			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100	4.787	4.773	0.014	856510	0.001385			
2	100	5.878	5.885	-0.007	960994	0.003250			
						RPD = 80.48			
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.795	10.770	0.025	334926	0.000726			
2	100	12.486	12.479	0.007	310442	0.001556			
						RPD = 72.76			
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.916	12.918	-0.002	12321722	0.0128			
2	100	14.398	14.400	-0.002	6948587	0.0145			
						RPD = 11.90			

QC Flag Legend

Processing Flags
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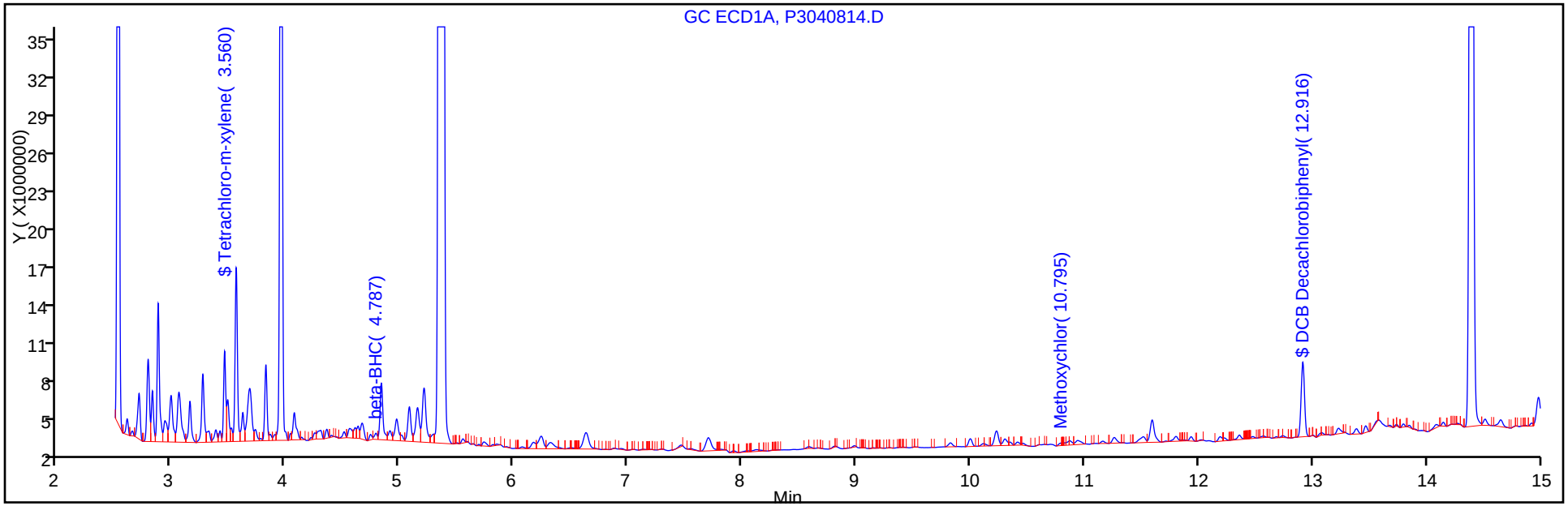
Report Date: 09-Apr-2013 09:28:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

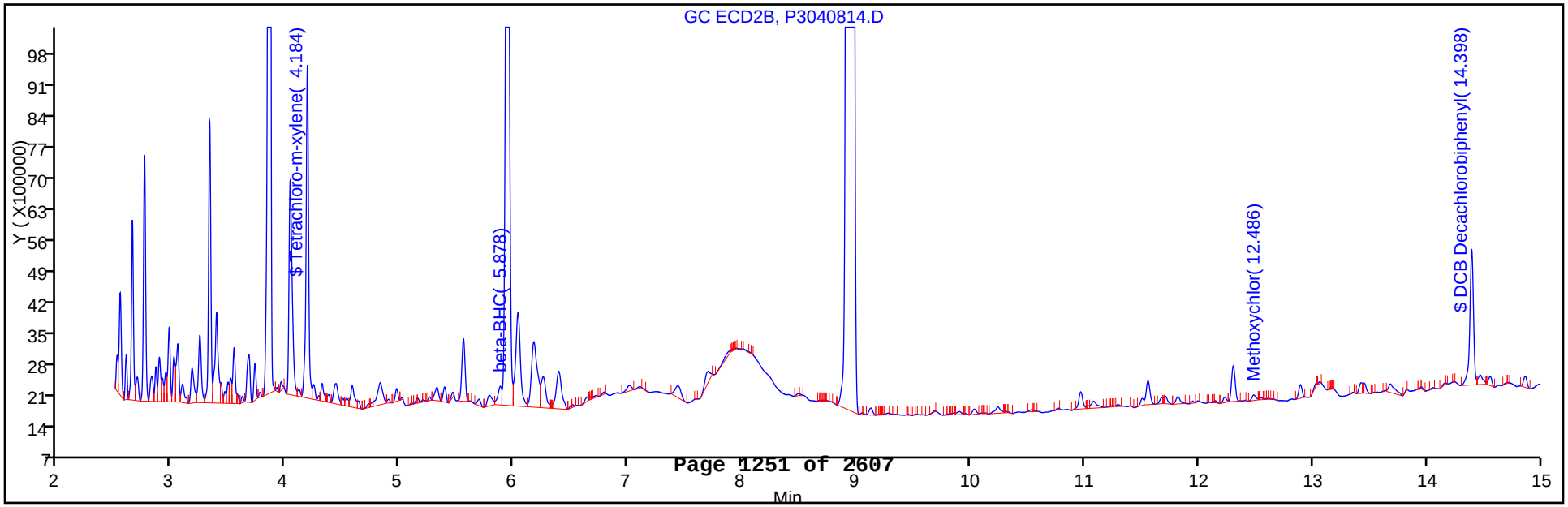
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040814.D

Injection Date:	08-Apr-2013 17:14:48	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: P3040814.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 16:52

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.47(g) Date Analyzed: 04/08/2013 17:14

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		55-130
877-09-8	Tetrachloro-m-xylene	97		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040814.D		
Lims ID:	240-22488-G-7-C	Client ID:	079SB-0132M-0001-SO
Inject. Date:	08-Apr-2013 17:14:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-014		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	81016	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

First Level Reviewer: shockr Date: 09-Apr-2013 09:18:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	19969842	0.0182			
2	100	4.184	4.183	0.001	11708709	0.0194			
						RPD = 6.58			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100	4.787	4.773	0.014	856510	0.001385			
2	100	5.878	5.885	-0.007	960994	0.003250			
						RPD = 80.48			
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.795	10.770	0.025	334926	0.000726			
2	100	12.486	12.479	0.007	310442	0.001556			
						RPD = 72.76			
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.916	12.918	-0.002	12321722	0.0128			
2	100	14.398	14.400	-0.002	6948587	0.0145			
						RPD = 11.90			

QC Flag Legend

Processing Flags
1 - Missing Peaks

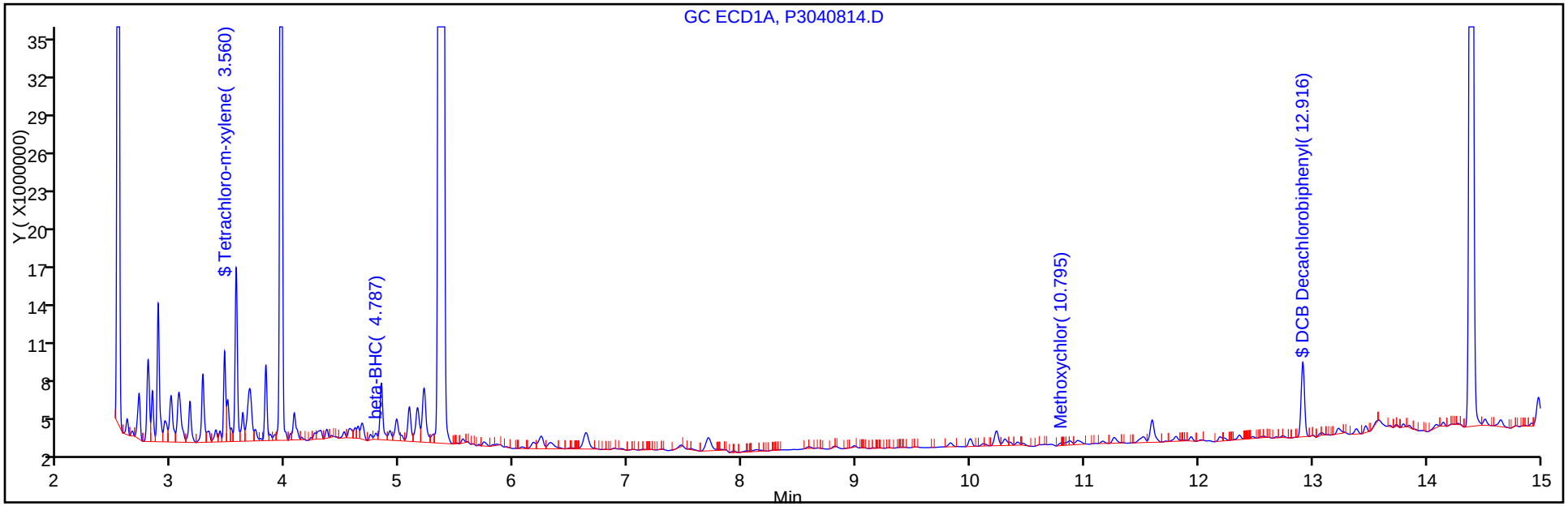
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TestAmerica Canton

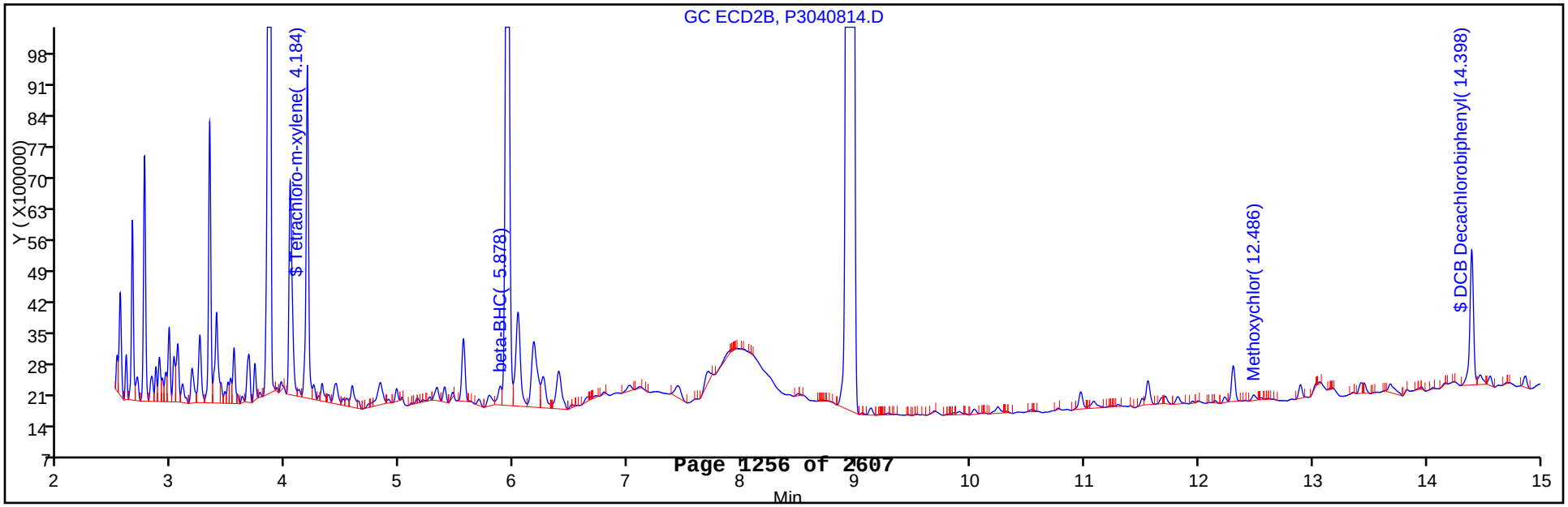
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Injection Date:	08-Apr-2013 17:14:48	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: P3040815.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 16:31

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.06(g) | Date Analyzed: 04/08/2013 17:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73		55-130
877-09-8	Tetrachloro-m-xylene	82		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040815.D		
Lims ID:	240-22488-G-11-C	Client ID:	079SB-0136M-0001-SO
Inject. Date:	08-Apr-2013 17:34:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	81016	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

First Level Reviewer: shockr Date: 09-Apr-2013 09:20:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.558	3.561	-0.003	17989919	0.0164			
2	100	4.182	4.183	-0.001	10565436	0.0175			
						RPD = 6.75			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100	4.629	4.638	-0.009	2579487	0.001773			
2	100	5.681	5.689	-0.008	1050375	0.001551			
						RPD = 13.31			
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									1
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	14015386	0.0146			
2	100	14.397	14.400	-0.003	6499422	0.0135			
						RPD = 7.65			

QC Flag Legend

Processing Flags
1 - Missing Peaks

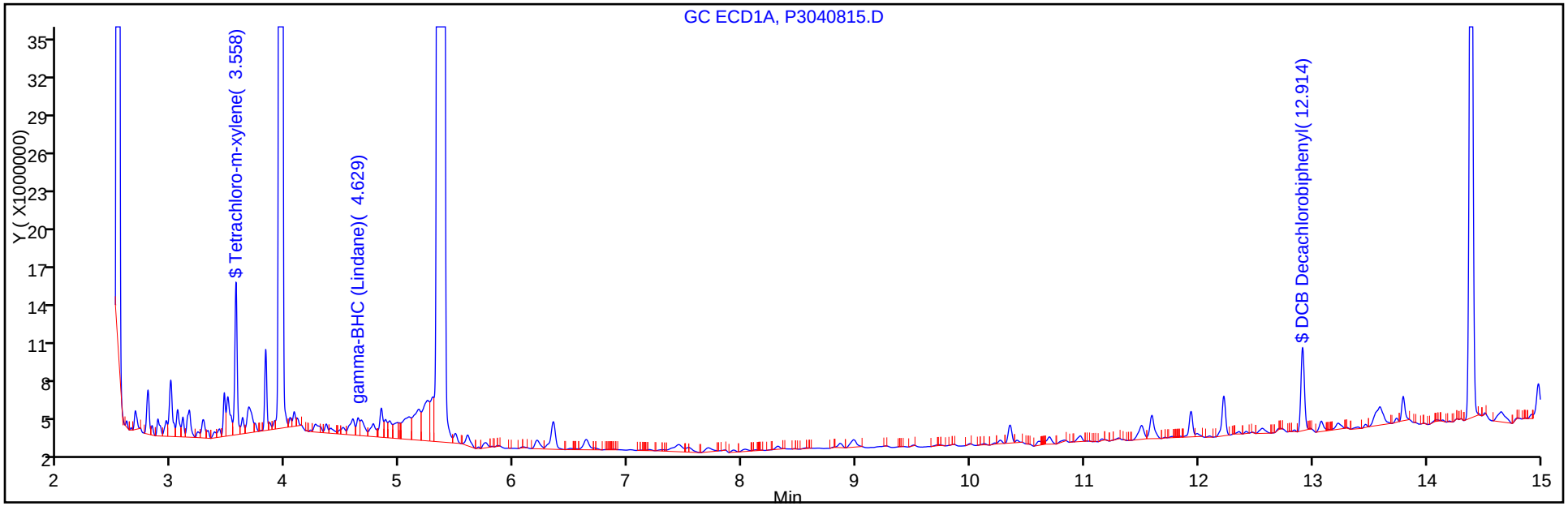
Report Date: 09-Apr-2013 09:28:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

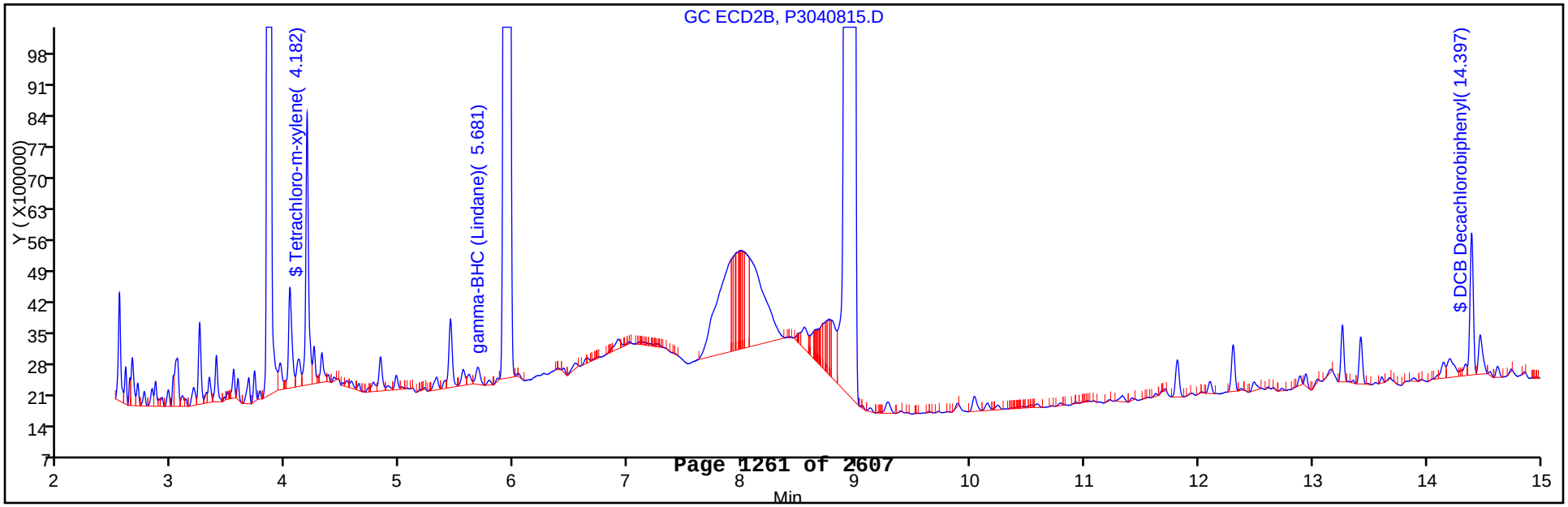
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040815.D

Injection Date:	08-Apr-2013 17:34:55	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: P3040815.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 16:31

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.06(g) Date Analyzed: 04/08/2013 17:34

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		55-130
877-09-8	Tetrachloro-m-xylene	87		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040815.D		
Lims ID:	240-22488-G-11-C	Client ID:	079SB-0136M-0001-SO
Inject. Date:	08-Apr-2013 17:34:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	81016	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

First Level Reviewer: shockr Date: 09-Apr-2013 09:20:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.558	3.561	-0.003	17989919	0.0164			
2	100	4.182	4.183	-0.001	10565436	0.0175			
						RPD = 6.75			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100	4.629	4.638	-0.009	2579487	0.001773			
2	100	5.681	5.689	-0.008	1050375	0.001551			
						RPD = 13.31			
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									1
1	100		7.023						
2	100		8.818						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	14015386	0.0146			
2	100	14.397	14.400	-0.003	6499422	0.0135			
						RPD = 7.65			

QC Flag Legend

Processing Flags
1 - Missing Peaks

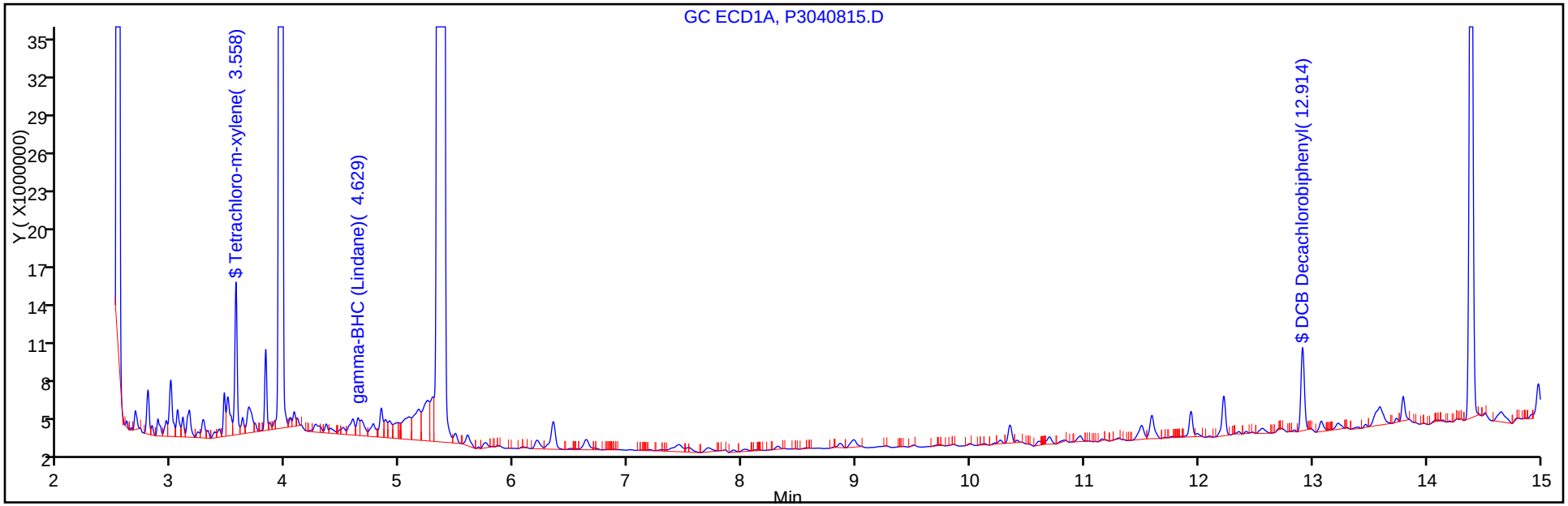
Report Date: 09-Apr-2013 09:28:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

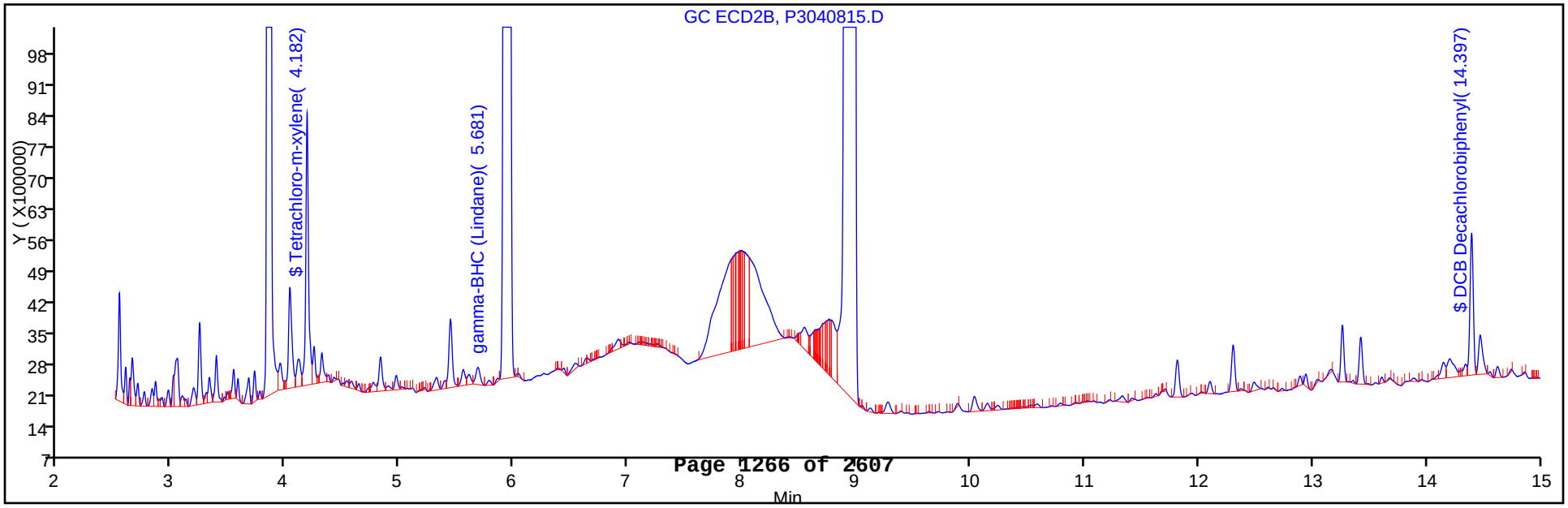
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040815.D

Injection Date:	08-Apr-2013 17:34:55	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: P3040816.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 14:37

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.20(g) | Date Analyzed: 04/08/2013 17:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.86
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	0.99
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.79
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040816.D		
Lims ID:	240-22488-G-18-C	Client ID:	079SB-0144M-0001-SO
Inject. Date:	08-Apr-2013 17:54:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	81016	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	19281387	0.0175			
2	100	4.182	4.183	-0.001	10891724	0.0180			
						RPD = 2.86			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									1
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									1
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									1
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.913	12.918	-0.005	14092423	0.0147			
2	100	14.396	14.400	-0.004	7443903	0.0155			

RPD = 5.37

QC Flag Legend

Processing Flags
1 - Missing Peaks

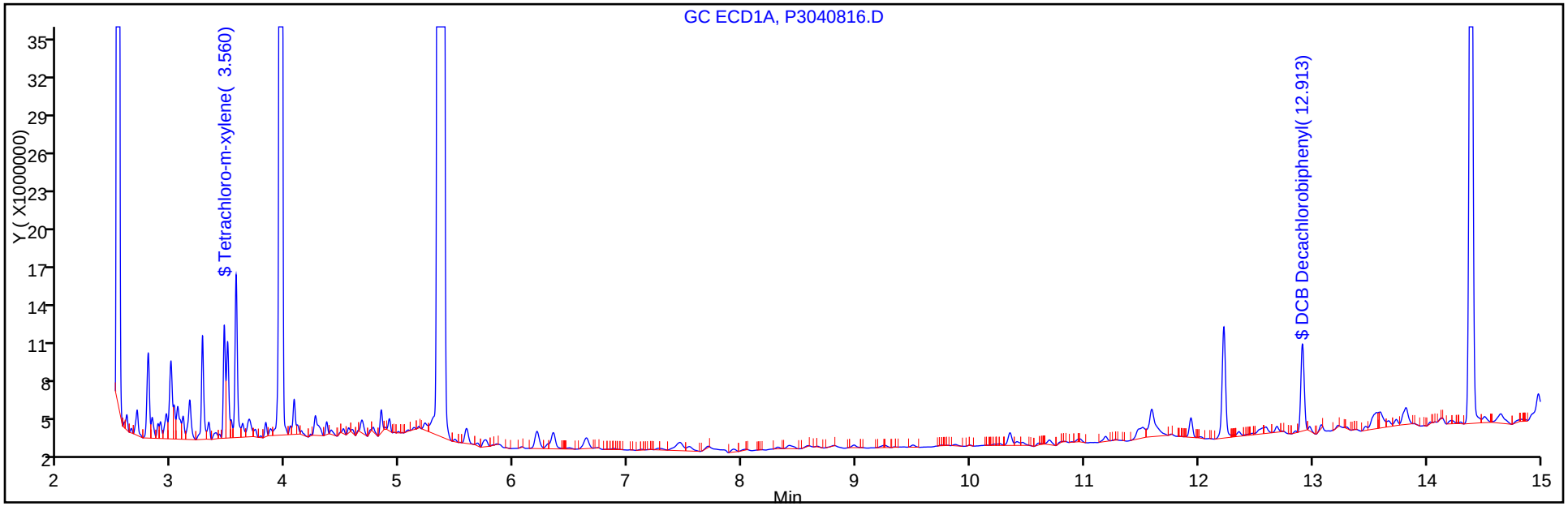
Report Date: 09-Apr-2013 09:28:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

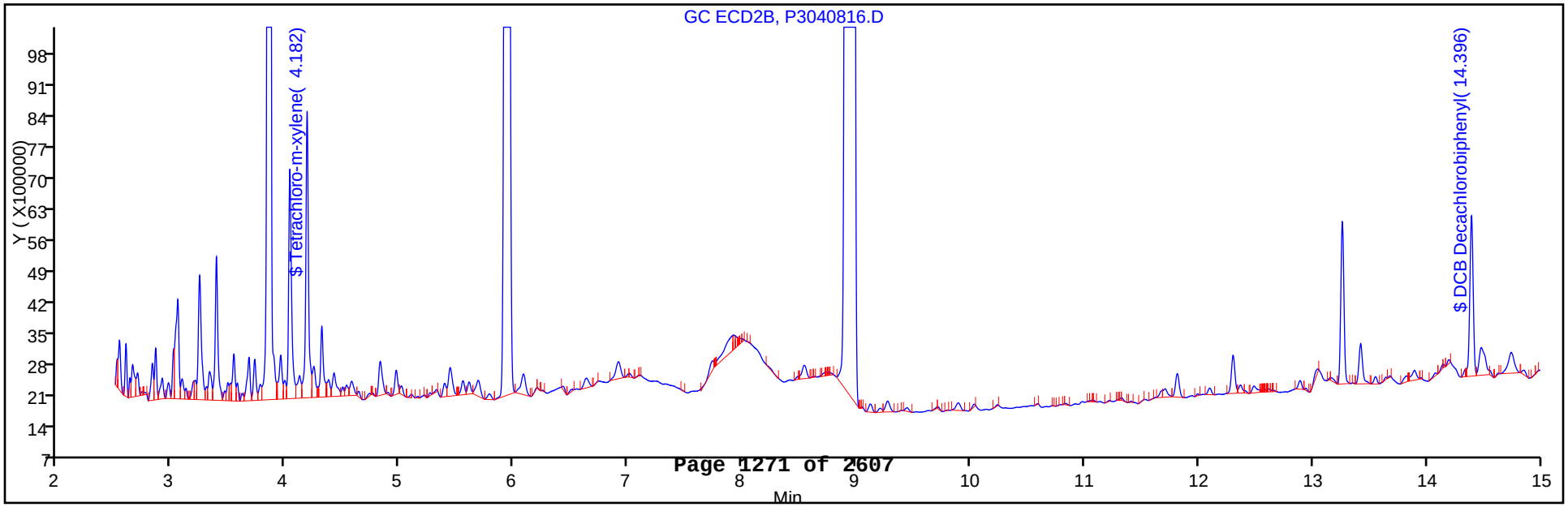
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040816.D

Injection Date:	08-Apr-2013 17:54:59	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Matrix: Solid Lab File ID: P3040816.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 14:37

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.20(g) Date Analyzed: 04/08/2013 17:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040816.D		
Lims ID:	240-22488-G-18-C	Client ID:	079SB-0144M-0001-SO
Inject. Date:	08-Apr-2013 17:54:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	81016	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	19281387	0.0175			
2	100	4.182	4.183	-0.001	10891724	0.0180			
						RPD = 2.86			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						
22 Heptachlor									1
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									1
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									1
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.913	12.918	-0.005	14092423	0.0147			
2	100	14.396	14.400	-0.004	7443903	0.0155			

RPD = 5.37

QC Flag Legend

Processing Flags
1 - Missing Peaks

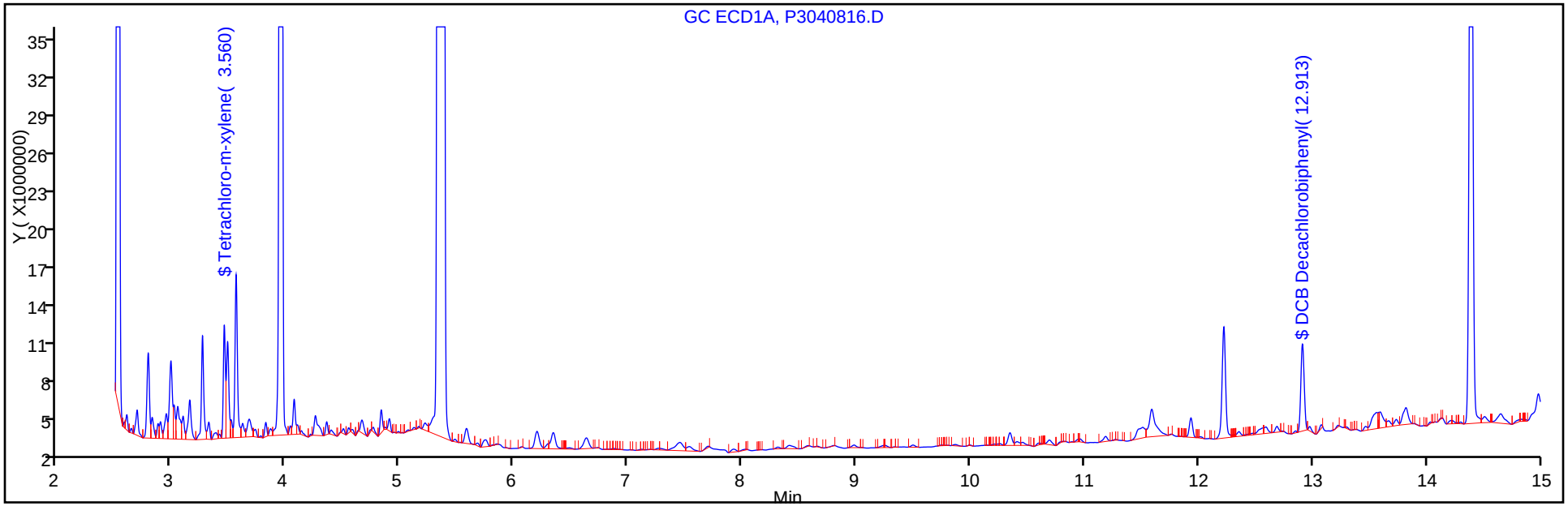
Report Date: 09-Apr-2013 09:28:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

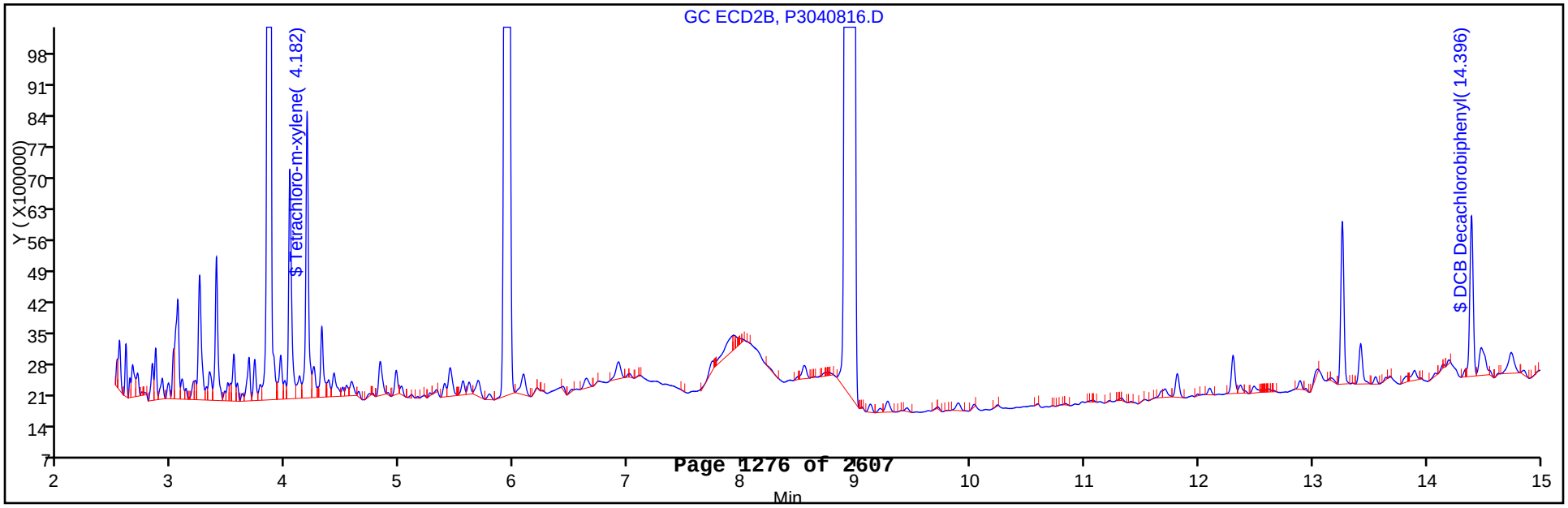
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040816.D

Injection Date:	08-Apr-2013 17:54:59	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO | Lab Sample ID: 240-22488-23

Matrix: Solid | Lab File ID: P3040817.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 16:45

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.92(g) | Date Analyzed: 04/08/2013 18:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		55-130
877-09-8	Tetrachloro-m-xylene	75		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040817.D		
Lims ID:	240-22488-G-23-E	Client ID:	079SS-0053M-0001-SO
Inject. Date:	08-Apr-2013 18:15:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-017		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	81016	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:22:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	16402335	0.0149			
2	100	4.183	4.183	0.000	11102847	0.0184			
						RPD = 20.87			
24 Hexachlorobenzene									
1	100	4.031	4.032	-0.001	2312121	0.001790			
2	100	4.824	4.818	0.006	1706585	0.002468			
						RPD = 31.87			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									1
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
12 Diallate									
1	100	5.744	5.769	-0.025	745929	0		100.0	
1	2	0.0	0.0	0.000	0	0	0.0- 35.8		
			Average of Peak Amounts =			0			
2	100	0.0	0.0	0.000	0	0		100.0	
2	2	6.697	6.690	0.007	406617	0	0.0- 37.2		
			Average of Peak Amounts =			0			
						RPD = 0.00			
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									1
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
9 Chlorobenzilate									
1	100	10.890	10.876	0.014	611123	0			
2	100	11.745	11.728	0.017	1503741	0			
						RPD = 0.00			
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									1
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	16244794	0.0169			
2	100	14.398	14.400	-0.002	6401020	0.0133			
						RPD = 23.82			

QC Flag Legend

Processing Flags
1 - Missing Peaks

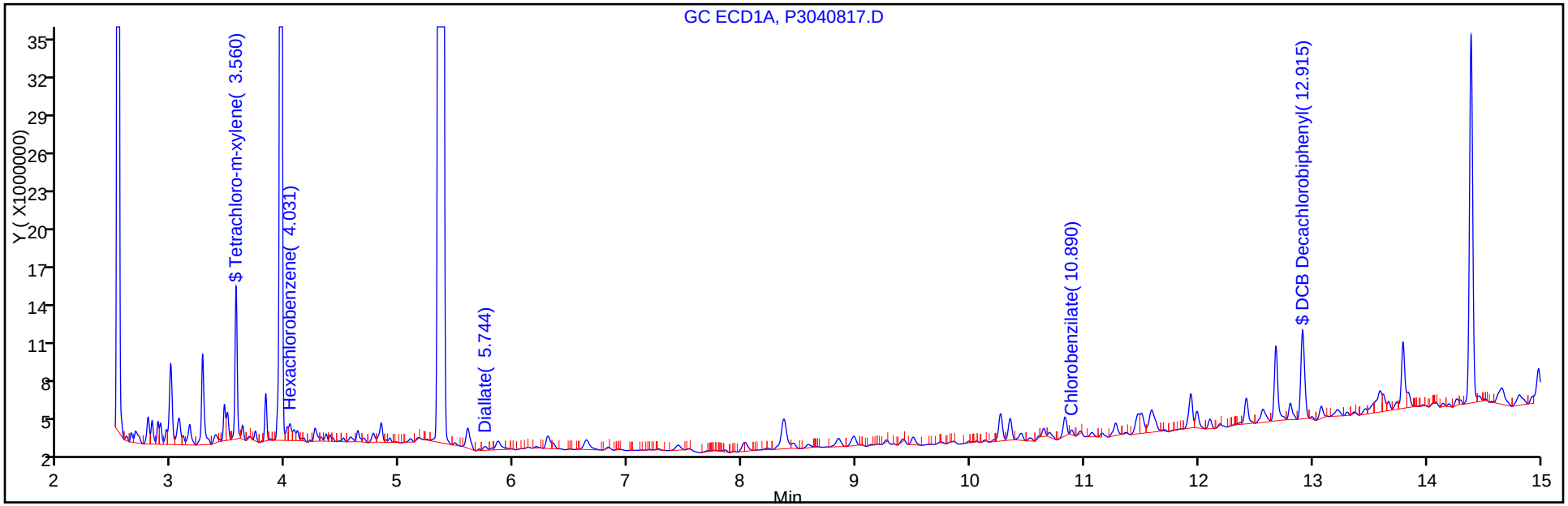
Report Date: 09-Apr-2013 09:28:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

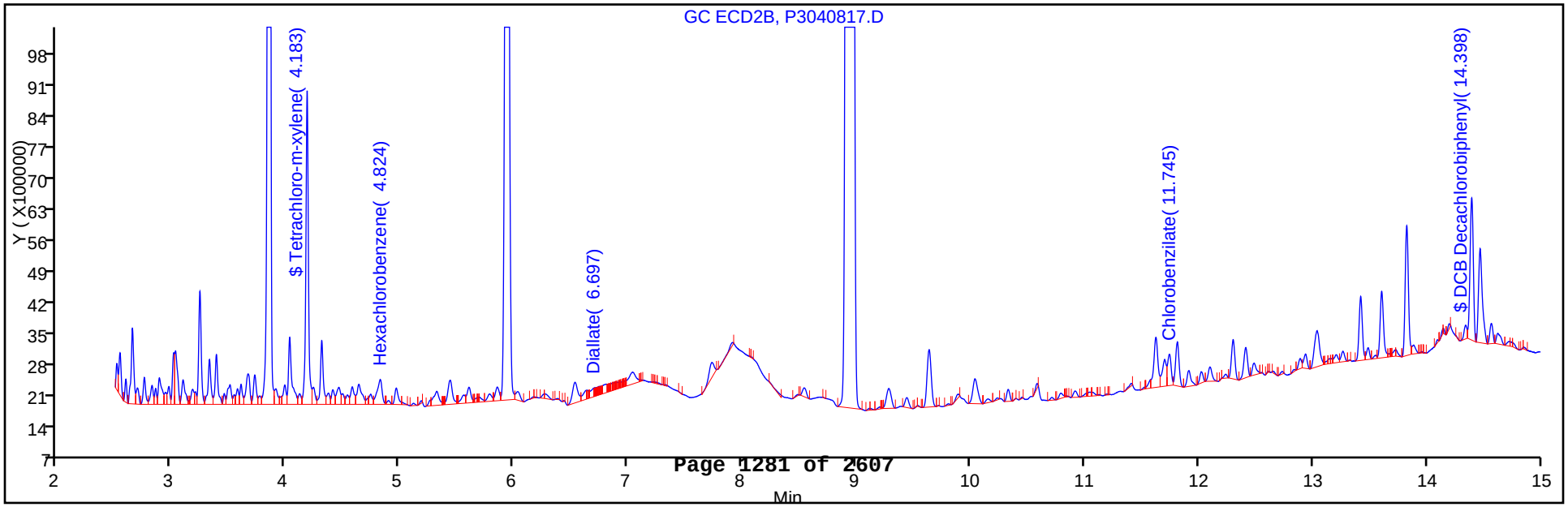
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040817.D

Injection Date:	08-Apr-2013 18:15:13	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: P3040817.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.92(g) Date Analyzed: 04/08/2013 18:15

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67		55-130
877-09-8	Tetrachloro-m-xylene	92		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040817.D		
Lims ID:	240-22488-G-23-E	Client ID:	079SS-0053M-0001-SO
Inject. Date:	08-Apr-2013 18:15:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018656-017		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	81016	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:22:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	16402335	0.0149			
2	100	4.183	4.183	0.000	11102847	0.0184			
						RPD = 20.87			
24 Hexachlorobenzene									
1	100	4.031	4.032	-0.001	2312121	0.001790			
2	100	4.824	4.818	0.006	1706585	0.002468			
						RPD = 31.87			
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									1
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
12 Diallate									
1	100	5.744	5.769	-0.025	745929	0		100.0	
1	2	0.0	0.0	0.000	0	0	0.0- 35.8		
			Average of Peak Amounts =			0			
2	100	0.0	0.0	0.000	0	0		100.0	
2	2	6.697	6.690	0.007	406617	0	0.0- 37.2		
			Average of Peak Amounts =			0			
						RPD = 0.00			
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									1
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
9 Chlorobenzilate									
1	100	10.890	10.876	0.014	611123	0			
2	100	11.745	11.728	0.017	1503741	0			
						RPD = 0.00			
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									1
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	16244794	0.0169			
2	100	14.398	14.400	-0.002	6401020	0.0133			
						RPD = 23.82			

QC Flag Legend

Processing Flags
1 - Missing Peaks

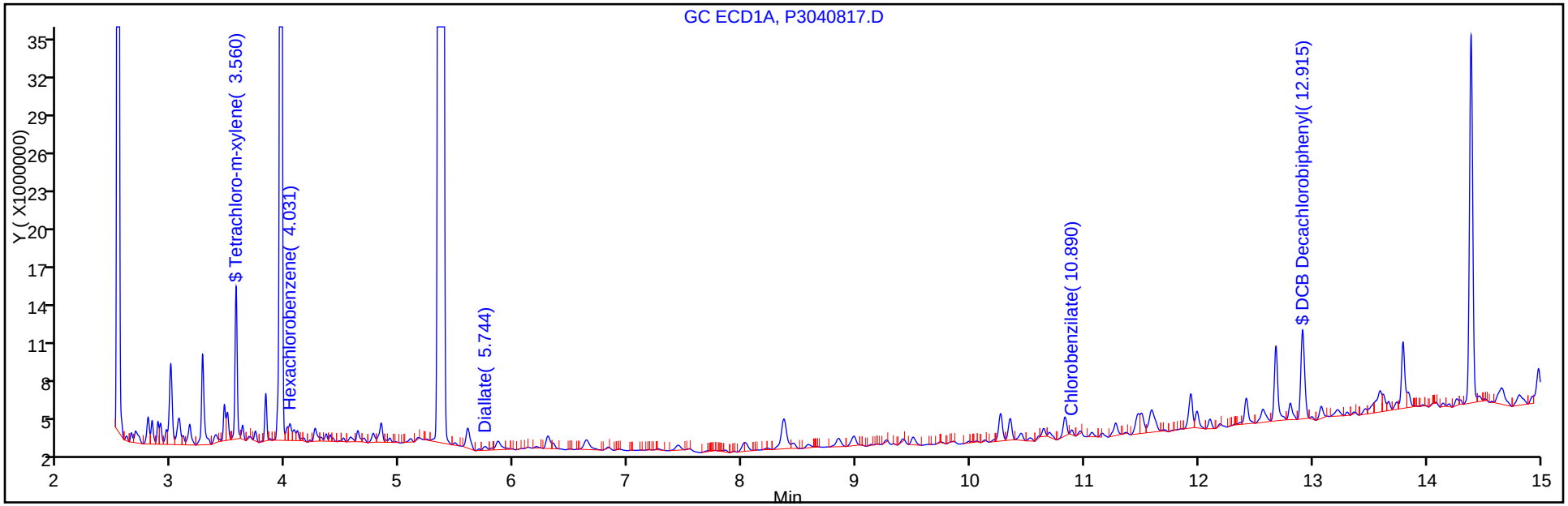
Report Date: 09-Apr-2013 09:28:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

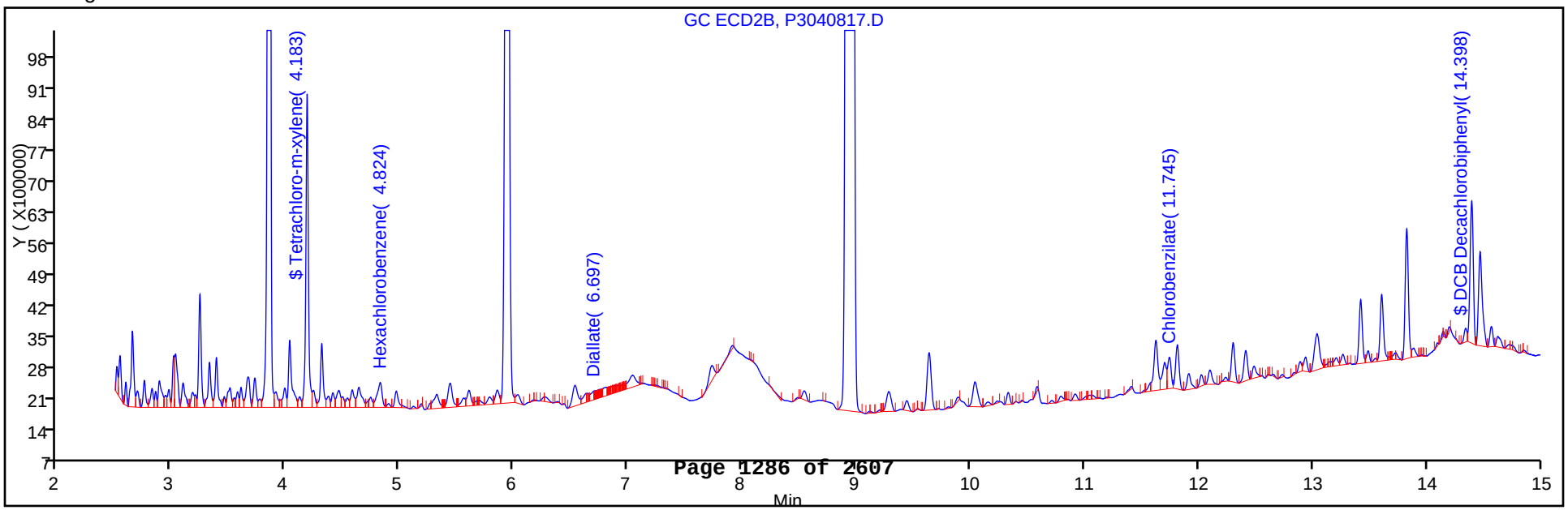
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040817.D

Injection Date:	08-Apr-2013 18:15:13	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	4719044 169102782	8702583	21988432	43730934	87045399	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	2545427 86082179	4730704	11506611	22775450	44017689	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	5226115 189248380	9739687	24363041	48795973	97049405	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	6009662 219666410	11341812	28824794	57124126	113796937	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	5786139 212923308	10853970	27754637	54928603	108498220	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	5454340 177905379	9893444	23867477	46376052	90947133	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	14-Mar-2013 14:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0017984-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	78295	Lims Sample ID:	13
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:30	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 14:44:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	5786139	0.005259			
2	100	4.180	4.180	0.000	3011824	0.004987			
						RPD = 5.32			
5 alpha-BHC									
1	100	4.255	4.255	0.000	7723849	0.004757			
2	100	5.068	5.068	0.000	3454865	0.004487			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	7088722	0.004871			
2	100	5.688	5.688	0.000	3183529	0.004702			
						RPD = 3.54			
7 beta-BHC									
1	100	4.777	4.777	0.000	3390982	0.005483			
2	100	5.883	5.883	0.000	1601411	0.005416			
						RPD = 1.23			
11 delta-BHC									
1	100	4.998	4.999	-0.001	7021845	0.004744			
2	100	6.508	6.508	0.000	3208106	0.004612			
						RPD = 2.82			
22 Heptachlor									
1	100	5.293	5.293	0.000	6444168	0.005003			
2	100	6.579	6.580	-0.001	2883043	0.004945			
						RPD = 1.16			
4 Aldrin									
1	100	5.761	5.761	0.000	6751407	0.004964			
2	100	7.382	7.382	0.000	3202302	0.004808			
						RPD = 3.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	6403279	0.005206			
2	100	8.821	8.821	0.000	2933899	0.005047			
						RPD = 3.10			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	6432116	0.005091			
2	100	9.211	9.210	0.001	2883307	0.004915			
						RPD = 3.51			
6 alpha-Chlordane									
1	100	7.695	7.695	0.000	6625948	0.005138			
2	100	9.513	9.511	0.002	3025984	0.004958			
						RPD = 3.56			
14 Endosulfan I									
1	100	7.967	7.965	0.002	6031134	0.005232			
2	100	9.577	9.578	-0.001	2669936	0.005025			
						RPD = 4.04			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	6203794	0.004898			
2	100	9.940	9.940	0.000	2826430	0.004635			
						RPD = 5.53			
13 Dieldrin									
1	100	8.515	8.517	-0.002	6286128	0.004956			
2	100	10.093	10.092	0.001	2836740	0.004773			
						RPD = 3.77			
17 Endrin									
1	100	8.966	8.966	0.000	5981804	0.005030			
2	100	10.608	10.608	0.000	2601220	0.004855			
						RPD = 3.55			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	4725338	0.004870			
2	100	10.930	10.930	0.000	2010016	0.004701			
						RPD = 3.52			
15 Endosulfan II									
1	100	9.411	9.411	0.000	5690305	0.005199			
2	100	10.975	10.975	0.000	2471875	0.005092			
						RPD = 2.08			
3 4,4'-DDT									
1	100	9.836	9.835	0.001	4556454	0.004941			
2	100	11.411	11.410	0.001	1917038	0.004847			
						RPD = 1.93			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	4719044	0.005358			
2	100	11.533	11.532	0.001	2051347	0.005192			
						RPD = 3.15			
27 Methoxychlor									
1	100	10.778	10.780	-0.002	2545427	0.005517			
2	100	12.487	12.487	0.000	1067535	0.005351			
						RPD = 3.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	5226115	0.005327			
2	100	11.949	11.948	0.001	2308704	0.005221			
						RPD = 2.02			
19 Endrin ketone									
1	100	11.323	11.322	0.001	6009662	0.005250			
2	100	12.700	12.699	0.001	2606409	0.005197			
						RPD = 1.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	5454340	0.005680			
2	100	14.416	14.415	0.001	2781857	0.005787			
						RPD = 1.86			

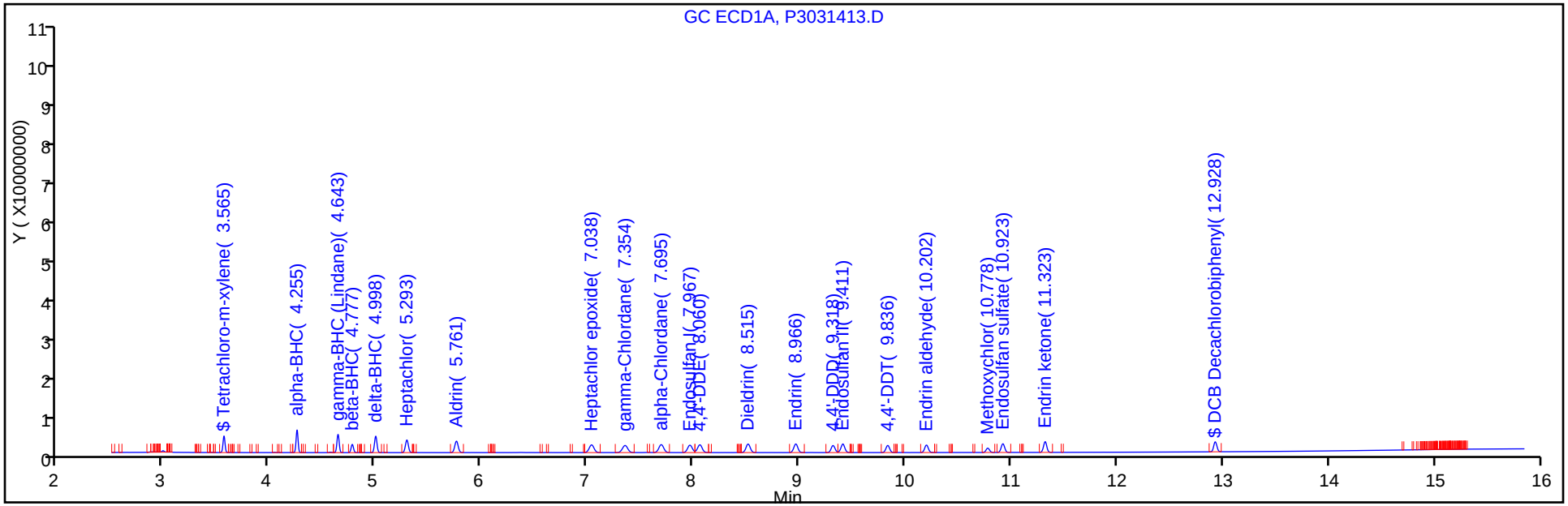
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

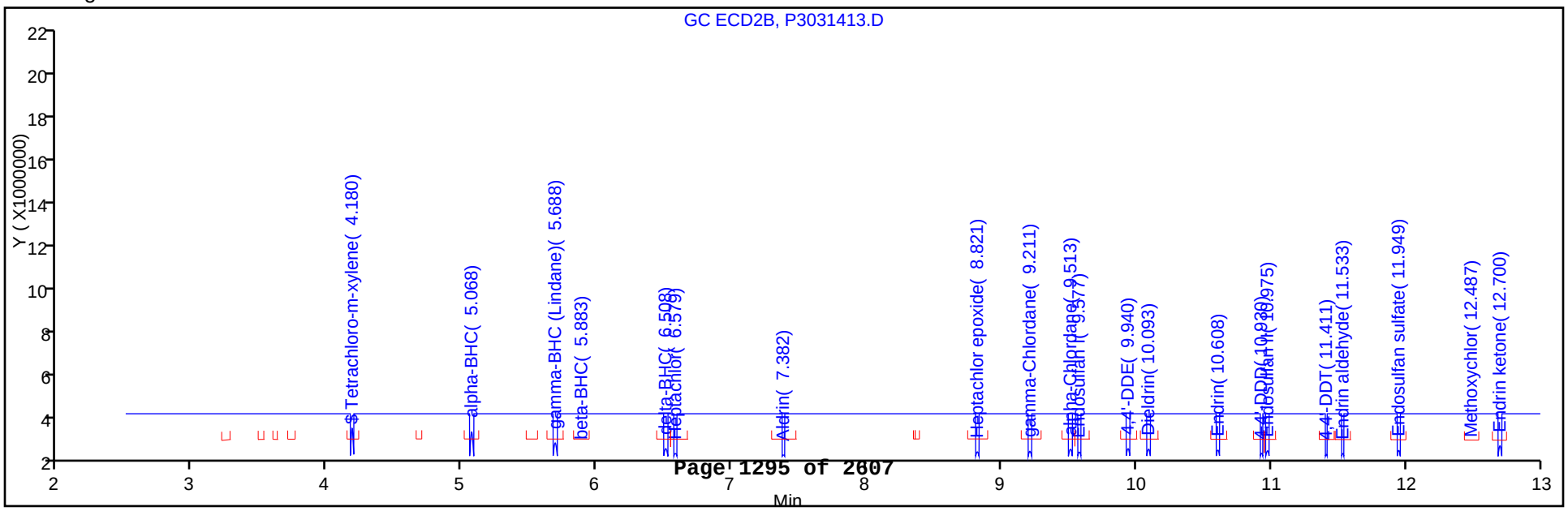
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

Injection Date:	14-Mar-2013 14:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	13
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 14-Mar-2013 14:40:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-014
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78295 Lims Sample ID: 14
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:32 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	10853970	0.009866			
2	100	4.179	4.180	-0.001	5702672	0.009442			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15248998	0.009391			
2	100	5.068	5.068	0.000	6853421	0.008901			
						RPD = 5.36			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13784429	0.009473			
2	100	5.686	5.688	-0.002	6168534	0.009111			
						RPD = 3.89			
7 beta-BHC									
1	100	4.777	4.777	0.000	6245666	0.0101			
2	100	5.883	5.883	0.000	2970864	0.0100			
						RPD = 0.51			
11 delta-BHC									
1	100	4.999	4.999	0.000	13781803	0.009311			
2	100	6.507	6.508	-0.001	6236042	0.008965			
						RPD = 3.79			
22 Heptachlor									
1	100	5.293	5.293	0.000	12370788	0.009604			
2	100	6.579	6.580	-0.001	5428603	0.009312			
						RPD = 3.09			
4 Aldrin									
1	100	5.761	5.761	0.000	12899784	0.009485			
2	100	7.381	7.382	-0.001	6142993	0.009223			
						RPD = 2.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	12063566	0.009808			
2	100	8.822	8.821	0.001	5518990	0.009494			
						RPD = 3.25			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	12036397	0.009526			
2	100	9.213	9.210	0.003	5470133	0.009325			
						RPD = 2.13			
6 alpha-Chlordane									
1	100	7.696	7.695	0.001	12544705	0.009727			
2	100	9.512	9.511	0.001	5720847	0.009373			
						RPD = 3.70			
14 Endosulfan I									
1	100	7.967	7.965	0.002	11203157	0.009720			
2	100	9.579	9.578	0.001	5007678	0.009425			
						RPD = 3.08			
2 4,4'-DDE									
1	100	8.061	8.060	0.001	11845796	0.009353			
2	100	9.940	9.940	0.000	5500244	0.009019			
						RPD = 3.64			
13 Dieldrin									
1	100	8.518	8.517	0.001	12071295	0.009517			
2	100	10.092	10.092	0.000	5437292	0.009148			
						RPD = 3.95			
17 Endrin									
1	100	8.968	8.966	0.002	11445308	0.009625			
2	100	10.608	10.608	0.000	4964610	0.009266			
						RPD = 3.80			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	9040316	0.009317			
2	100	10.929	10.930	-0.001	3843604	0.008990			
						RPD = 3.57			
15 Endosulfan II									
1	100	9.412	9.411	0.001	10634263	0.009715			
2	100	10.974	10.975	-0.001	4665020	0.009609			
						RPD = 1.10			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	8616751	0.009344			
2	100	11.412	11.410	0.002	3637635	0.009196			
						RPD = 1.59			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	8702583	0.009881			
2	100	11.533	11.532	0.001	3823662	0.009678			
						RPD = 2.08			
27 Methoxychlor									
1	100	10.781	10.780	0.001	4730704	0.0103			
2	100	12.486	12.487	-0.001	2005309	0.0101			
						RPD = 1.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	9739687	0.0099			
2	100	11.949	11.948	0.001	4287527	0.009695			
						RPD = 2.37			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	11341812	0.0099			
2	100	12.699	12.699	0.000	4880140	0.009730			
						RPD = 1.82			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	9893444	0.0103			
2	100	14.415	14.415	0.000	4961295	0.0103			
						RPD = 0.17			

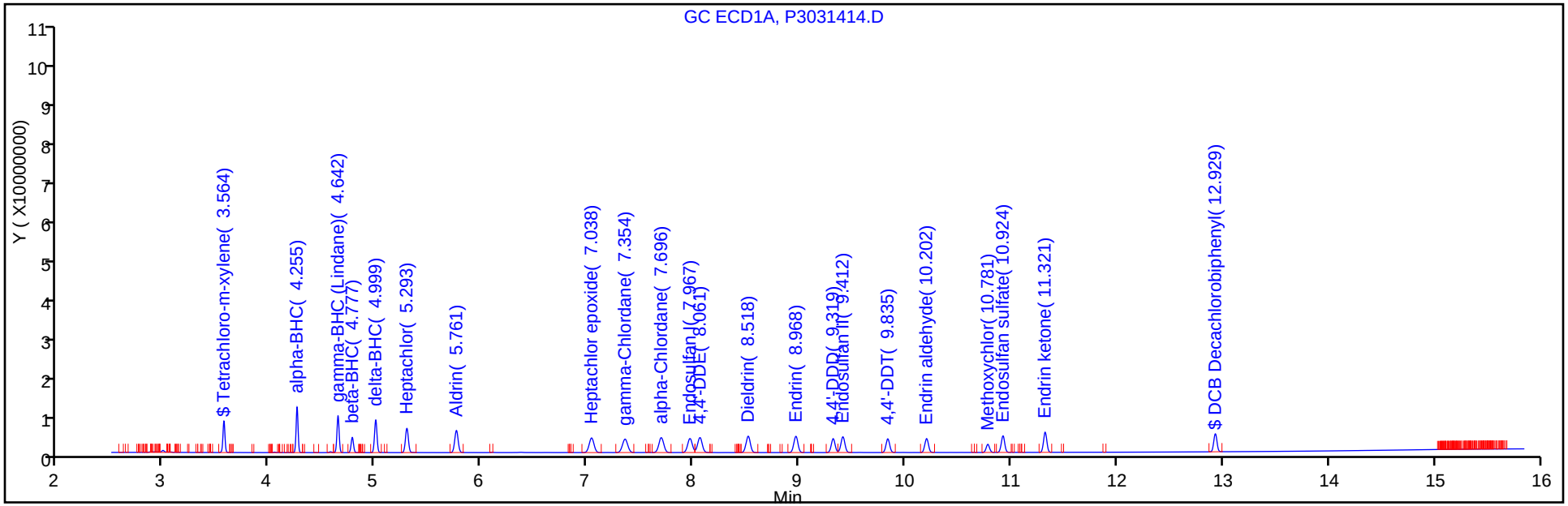
Report Date: 15-Mar-2013 07:54:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

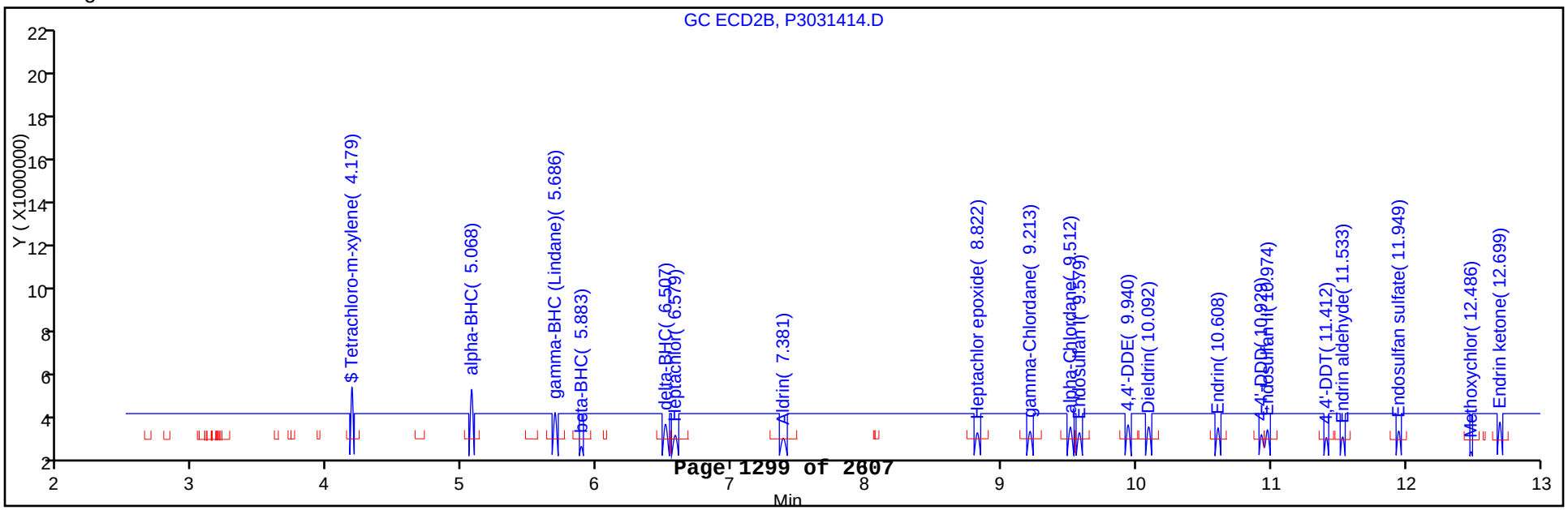
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Injection Date:	14-Mar-2013 14:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	14-Mar-2013 15:00:19	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0017984-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	78295	Lims Sample ID:	15
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:34	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 15:41:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	27754637	0.0252			
2	100	4.180	4.180	0.000	14906362	0.0247			
						RPD = 2.19			
5 alpha-BHC									
1	100	4.255	4.255	0.000	41109116	0.0253			
2	100	5.068	5.068	0.000	18954736	0.0246			
						RPD = 2.80			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	36713863	0.0252			
2	100	5.688	5.688	0.000	16553033	0.0244			
						RPD = 3.14			
7 beta-BHC									
1	100	4.777	4.777	0.000	15375560	0.0249			
2	100	5.883	5.883	0.000	7291460	0.0247			
						RPD = 0.82			
11 delta-BHC									
1	100	4.999	4.999	0.000	37354970	0.0252			
2	100	6.508	6.508	0.000	16933296	0.0243			
						RPD = 3.61			
22 Heptachlor									
1	100	5.293	5.293	0.000	32449578	0.0252			
2	100	6.580	6.580	0.000	14236051	0.0244			
						RPD = 3.12			
4 Aldrin									
1	100	5.761	5.761	0.000	34263341	0.0252			
2	100	7.382	7.382	0.000	16200307	0.0243			
						RPD = 3.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.039	7.039	0.000	30839303	0.0251			
2	100	8.821	8.821	0.000	14246942	0.0245			
						RPD = 2.28			
21 gamma-Chlordane									
1	100	7.355	7.355	0.000	31245166	0.0247			
2	100	9.210	9.210	0.000	14290617	0.0244			
						RPD = 1.50			
6 alpha-Chlordane									M
1	100	7.695	7.695	0.000	31969190	0.0248			M
2	100	9.511	9.511	0.000	14946818	0.0245			
						RPD = 1.21			
14 Endosulfan I									
1	100	7.965	7.965	0.000	28739979	0.0249			
2	100	9.578	9.578	0.000	12998289	0.0245			
						RPD = 1.90			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	31304045	0.0247			
2	100	9.940	9.940	0.000	14909439	0.0244			
						RPD = 1.10			
13 Dieldrin									
1	100	8.517	8.517	0.000	31797893	0.0251			
2	100	10.092	10.092	0.000	14570978	0.0245			
						RPD = 2.24			
17 Endrin									
1	100	8.966	8.966	0.000	30003036	0.0252			
2	100	10.608	10.608	0.000	13183902	0.0246			
						RPD = 2.51			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	24116204	0.0249			
2	100	10.930	10.930	0.000	10482730	0.0245			
						RPD = 1.36			
15 Endosulfan II									
1	100	9.411	9.411	0.000	27513681	0.0251			
2	100	10.975	10.975	0.000	11876887	0.0245			
						RPD = 2.71			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	22724641	0.0246			
2	100	11.410	11.410	0.000	9589094	0.0242			
						RPD = 1.63			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	21988432	0.0250			
2	100	11.532	11.532	0.000	9668493	0.0245			
						RPD = 2.00			
27 Methoxychlor									
1	100	10.780	10.780	0.000	11506611	0.0249			
2	100	12.487	12.487	0.000	4949088	0.0248			
						RPD = 0.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.925	10.925	0.000	24363041	0.0248			
2	100	11.948	11.948	0.000	10831997	0.0245			
						RPD = 1.38			
19 Endrin ketone									
1	100	11.322	11.322	0.000	28824794	0.0252			
2	100	12.699	12.699	0.000	12376918	0.0247			
						RPD = 2.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	23867477	0.0249			
2	100	14.415	14.415	0.000	11801499	0.0246			
						RPD = 1.23			

QC Flag Legend

Review Flags
M - Manually Integrated

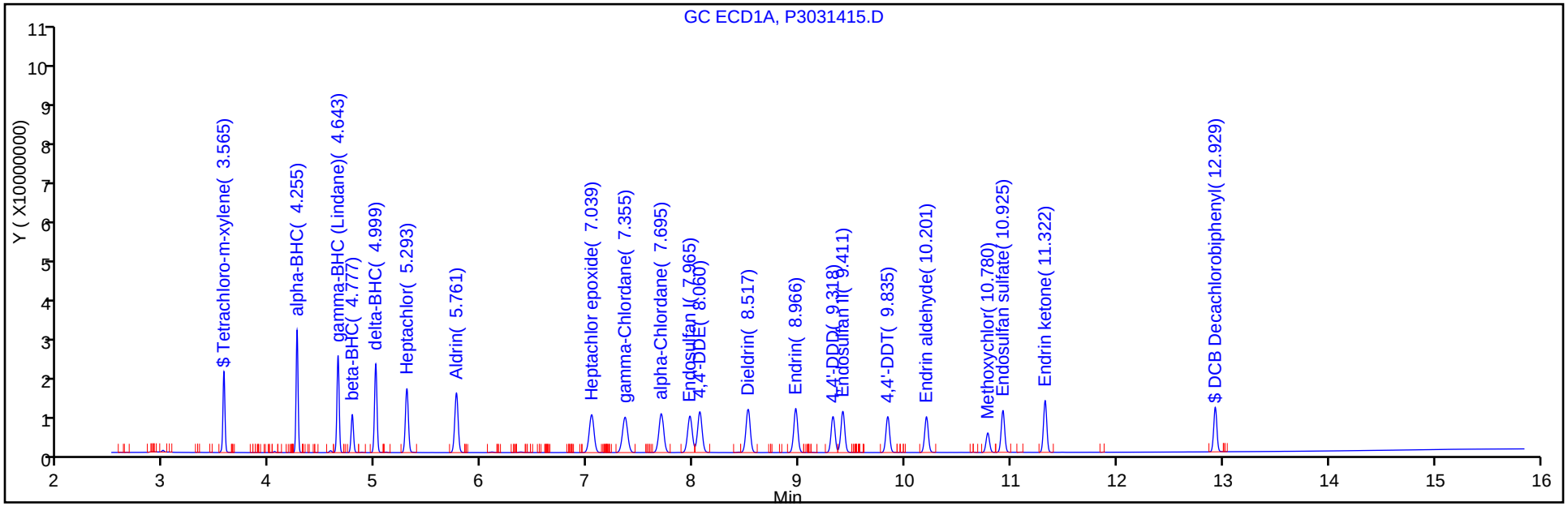
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TestAmerica Canton

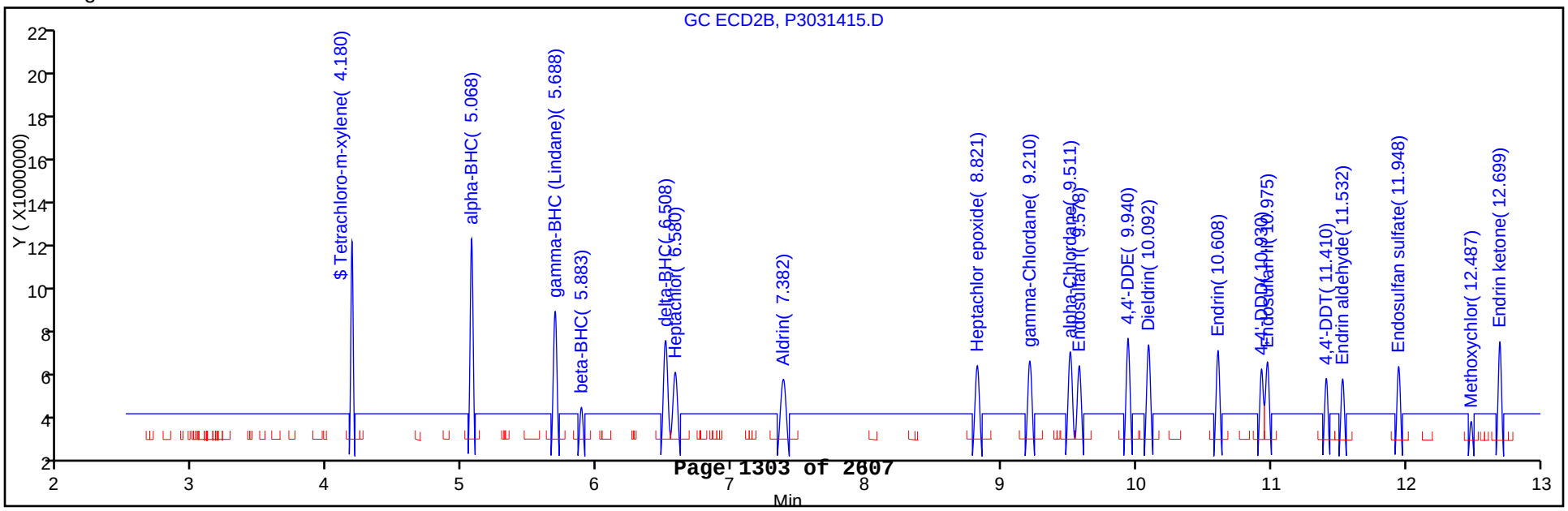
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Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

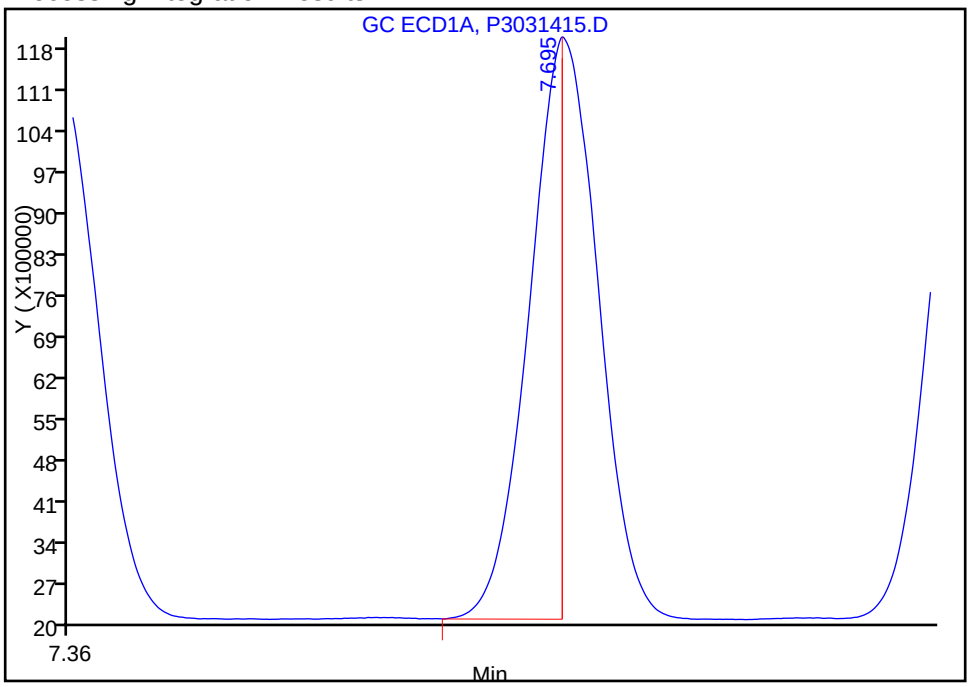
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 alpha-Chlordane, Signal: 1, Type: quant, RT: 7.69, Det: GC ECD1A

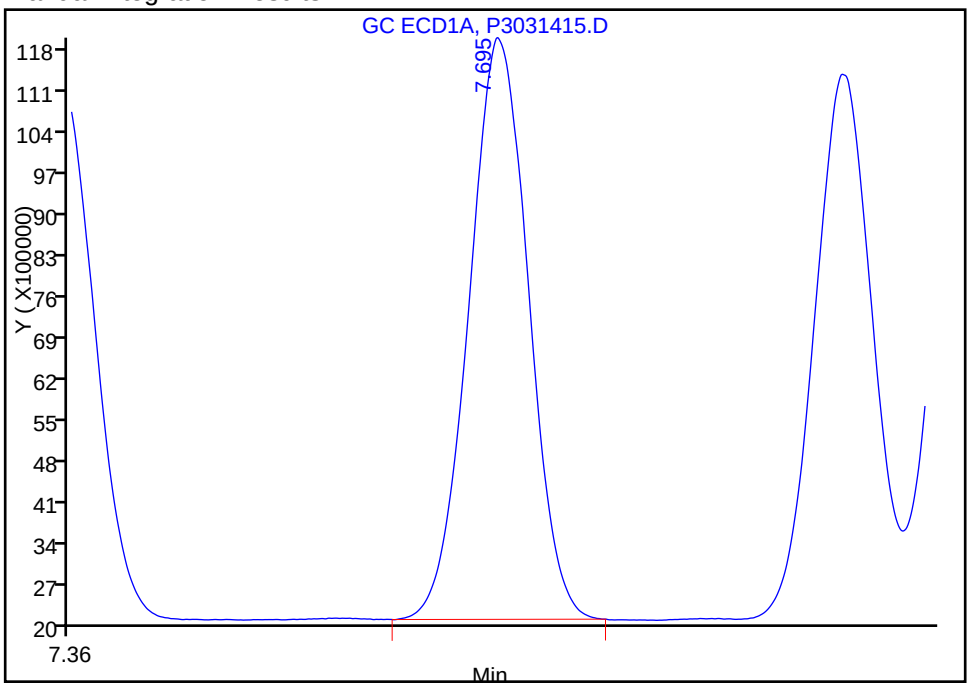
Processing Integration Results

RT: 7.69
Response: 15174928
Amount: 0.014286



Manual Integration Results

RT: 7.69
Response: 31969190
Amount: 0.024788



Reviewer: shockr, 14-Mar-2013 15:41:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D		
Lims ID:	STD AB L4	Client ID:	
Inject. Date:	14-Mar-2013 15:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0017984-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	78295	Lims Sample ID:	16
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:36	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 16:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	54928603	0.0499			
2	100	4.179	4.180	-0.001	30437726	0.0504			
						RPD = 0.94			
5 alpha-BHC									
1	100	4.255	4.255	0.000	83254980	0.0513			
2	100	5.068	5.068	0.000	39687017	0.0515			
						RPD = 0.53			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	74128935	0.0509			
2	100	5.687	5.688	-0.001	34332874	0.0507			
						RPD = 0.46			
7 beta-BHC									
1	100	4.777	4.777	0.000	30109377	0.0487			
2	100	5.882	5.883	-0.001	14280872	0.0483			
						RPD = 0.80			
11 delta-BHC									
1	100	4.998	4.999	-0.001	75876449	0.0513			
2	100	6.508	6.508	0.000	35380167	0.0509			
						RPD = 0.78			
22 Heptachlor									
1	100	5.293	5.293	0.000	65357289	0.0507			
2	100	6.579	6.580	-0.001	29140848	0.0500			
						RPD = 1.50			
4 Aldrin									
1	100	5.760	5.761	-0.001	68888892	0.0507			
2	100	7.380	7.382	-0.002	33339061	0.0501			
						RPD = 1.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	61142532	0.0497			
2	100	8.820	8.821	-0.001	28806716	0.0496			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	62789444	0.0497			
2	100	9.211	9.210	0.001	29175157	0.0497			
						RPD = 0.08			
6 alpha-Chlordane									
1	100	7.694	7.695	-0.001	63962633	0.0496			
2	100	9.510	9.511	-0.001	30210613	0.0495			
						RPD = 0.19			
14 Endosulfan I									
1	100	7.967	7.965	0.002	57355301	0.0498			
2	100	9.578	9.578	0.000	26468245	0.0498			
						RPD = 0.11			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	64158456	0.0507			
2	100	9.940	9.940	0.000	31031644	0.0509			
						RPD = 0.45			
13 Dieldrin									
1	100	8.516	8.517	-0.001	64295083	0.0507			
2	100	10.092	10.092	0.000	30001382	0.0505			
						RPD = 0.42			
17 Endrin									
1	100	8.965	8.966	-0.001	60197190	0.0506			
2	100	10.606	10.608	-0.002	26944971	0.0503			
						RPD = 0.66			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	49032652	0.0505			
2	100	10.928	10.930	-0.002	21704045	0.0508			
						RPD = 0.46			
15 Endosulfan II									
1	100	9.410	9.411	-0.001	54571554	0.0499			
2	100	10.974	10.975	-0.001	24090696	0.0496			
						RPD = 0.47			
3 4,4'-DDT									
1	100	9.834	9.835	-0.001	46440699	0.0504			
2	100	11.410	11.410	0.000	19827190	0.0501			
						RPD = 0.46			
18 Endrin aldehyde									
1	100	10.200	10.201	-0.001	43730934	0.0497			
2	100	11.532	11.532	0.000	19532823	0.0494			
						RPD = 0.43			
27 Methoxychlor									
1	100	10.780	10.780	0.000	22775450	0.0494			
2	100	12.486	12.487	-0.001	9817056	0.0492			
						RPD = 0.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	48795973	0.0497			
2	100	11.948	11.948	0.000	21745192	0.0492			
						RPD = 1.15			
19 Endrin ketone									
1	100	11.322	11.322	0.000	57124126	0.0499			
2	100	12.700	12.699	0.001	24790369	0.0494			
						RPD = 0.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	46376052	0.0483			
2	100	14.417	14.415	0.002	22823566	0.0475			
						RPD = 1.70			

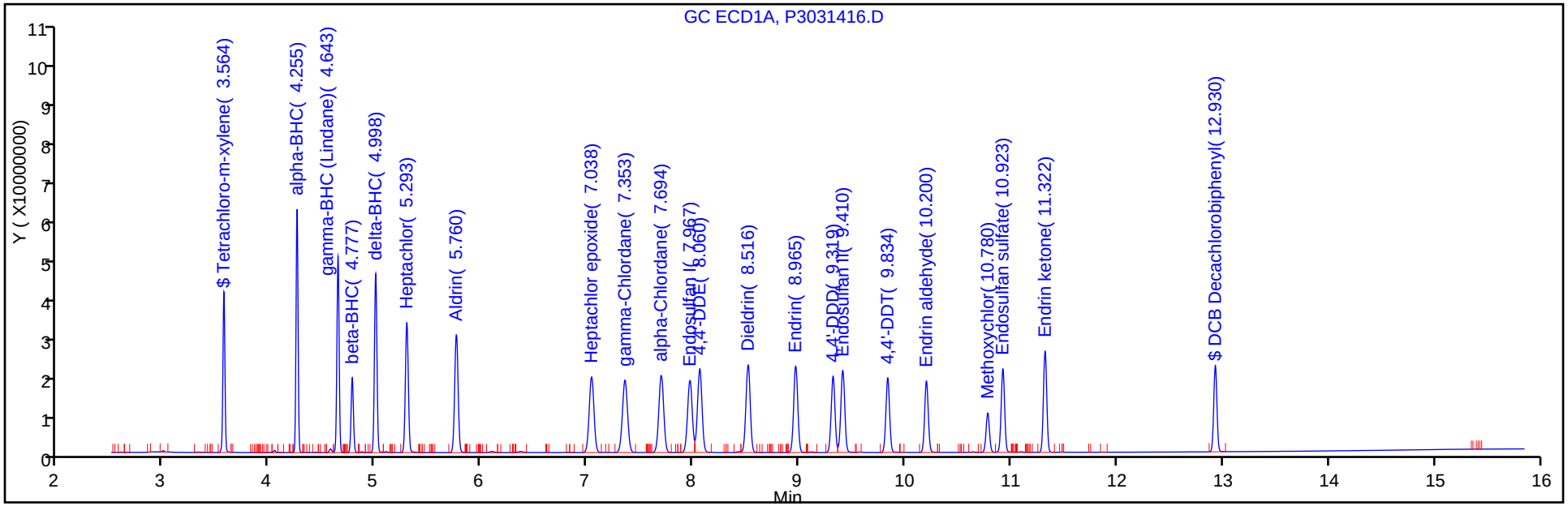
Report Date: 15-Mar-2013 07:54:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

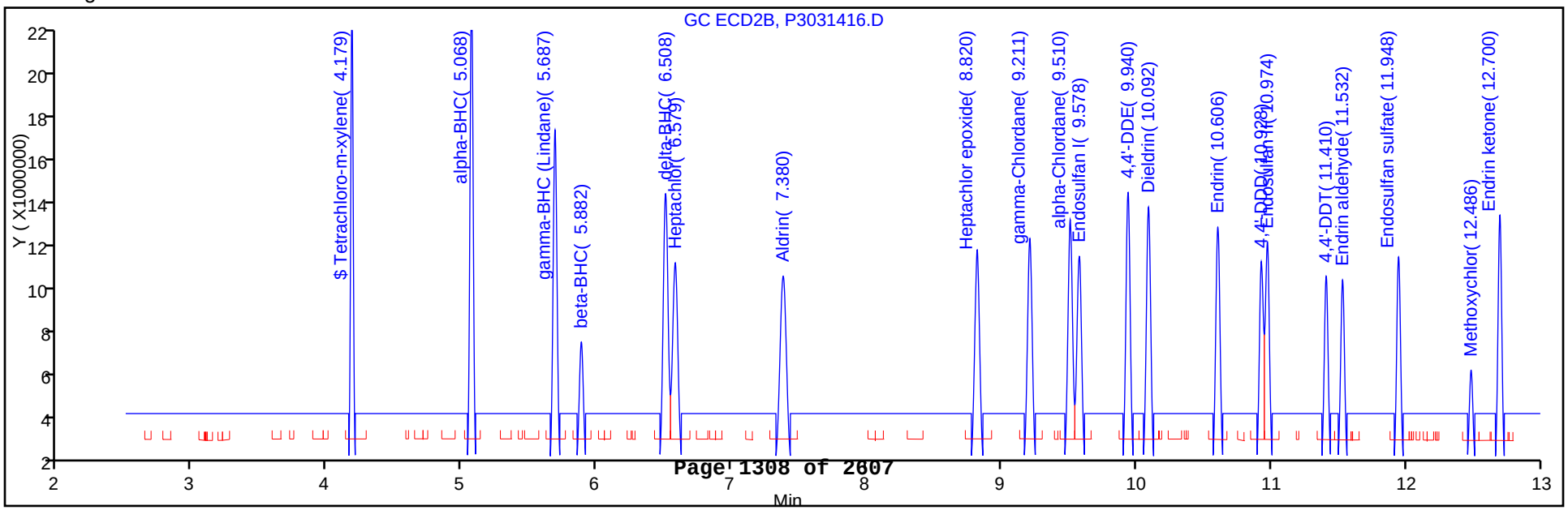
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D

Injection Date:	14-Mar-2013 15:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 14-Mar-2013 15:40:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-017
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78295 Lims Sample ID: 17
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:38 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	108498220	0.0986			
2	100	4.179	4.180	-0.001	62181454	0.1030			
						RPD = 4.30			
5 alpha-BHC									
1	100	4.256	4.255	0.001	169069280	0.1041			
2	100	5.068	5.068	0.000	83756504	0.1088			
						RPD = 4.38			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	150192651	0.1032			
2	100	5.688	5.688	0.000	72308864	0.1068			
						RPD = 3.42			
7 beta-BHC									
1	100	4.777	4.777	0.000	60054605	0.0971			
2	100	5.883	5.883	0.000	28891924	0.0977			
						RPD = 0.62			
11 delta-BHC									
1	100	4.998	4.999	-0.001	155211774	0.1049			
2	100	6.508	6.508	0.000	75035996	0.1079			
						RPD = 2.83			
22 Heptachlor									
1	100	5.294	5.293	0.001	131620345	0.1022			
2	100	6.579	6.580	-0.001	60486311	0.1038			
						RPD = 1.53			
4 Aldrin									
1	100	5.761	5.761	0.000	139831096	0.1028			
2	100	7.381	7.382	-0.001	70399564	0.1057			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	123607519	0.1005			
2	100	8.821	8.821	0.000	59935339	0.1031			
						RPD = 2.56			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	129462169	0.1025			
2	100	9.213	9.210	0.003	61228950	0.1044			
						RPD = 1.85			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	130612634	0.1013			
2	100	9.513	9.511	0.002	63433868	0.1039			
						RPD = 2.59			
14 Endosulfan I									
1	100	7.967	7.965	0.002	116265499	0.1009			
2	100	9.578	9.578	0.000	54856402	0.1032			
						RPD = 2.33			
2 4,4'-DDE									
1	100	8.059	8.060	-0.001	132266883	0.1044			
2	100	9.941	9.940	0.001	65438107	0.1073			
						RPD = 2.71			
13 Dieldrin									
1	100	8.518	8.517	0.001	130845292	0.1032			
2	100	10.093	10.092	0.001	63014184	0.1060			
						RPD = 2.73			
17 Endrin									
1	100	8.966	8.966	0.000	121362286	0.1021			
2	100	10.608	10.608	0.000	56195128	0.1049			
						RPD = 2.73			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	101475837	0.1046			
2	100	10.931	10.930	0.001	45380274	0.1061			
						RPD = 1.48			
15 Endosulfan II									
1	100	9.411	9.411	0.000	110168800	0.1006			
2	100	10.975	10.975	0.000	49795219	0.1026			
						RPD = 1.89			
3 4,4'-DDT									
1	100	9.837	9.835	0.002	95899338	0.1040			
2	100	11.411	11.410	0.001	41520195	0.1050			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	87045399	0.0988			
2	100	11.533	11.532	0.001	39689339	0.1005			
						RPD = 1.63			
27 Methoxychlor									
1	100	10.780	10.780	0.000	44017689	0.0954			
2	100	12.487	12.487	0.000	19442887	0.0974			
						RPD = 2.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	97049405	0.0989			
2	100	11.949	11.948	0.001	44455758	0.1005			
						RPD = 1.61			
19 Endrin ketone									
1	100	11.323	11.322	0.001	113796937	0.0994			
2	100	12.700	12.699	0.001	50377770	0.1004			
						RPD = 1.03			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	90947133	0.0947			
2	100	14.416	14.415	0.001	45130190	0.0939			
						RPD = 0.88			

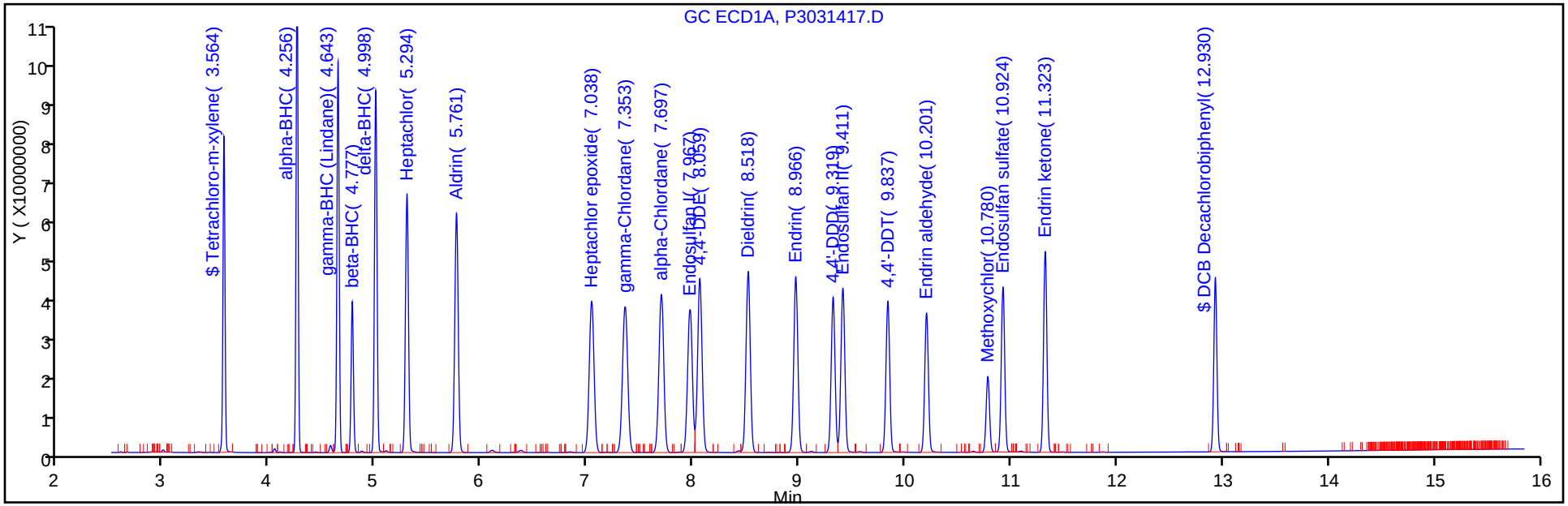
Report Date: 15-Mar-2013 07:54:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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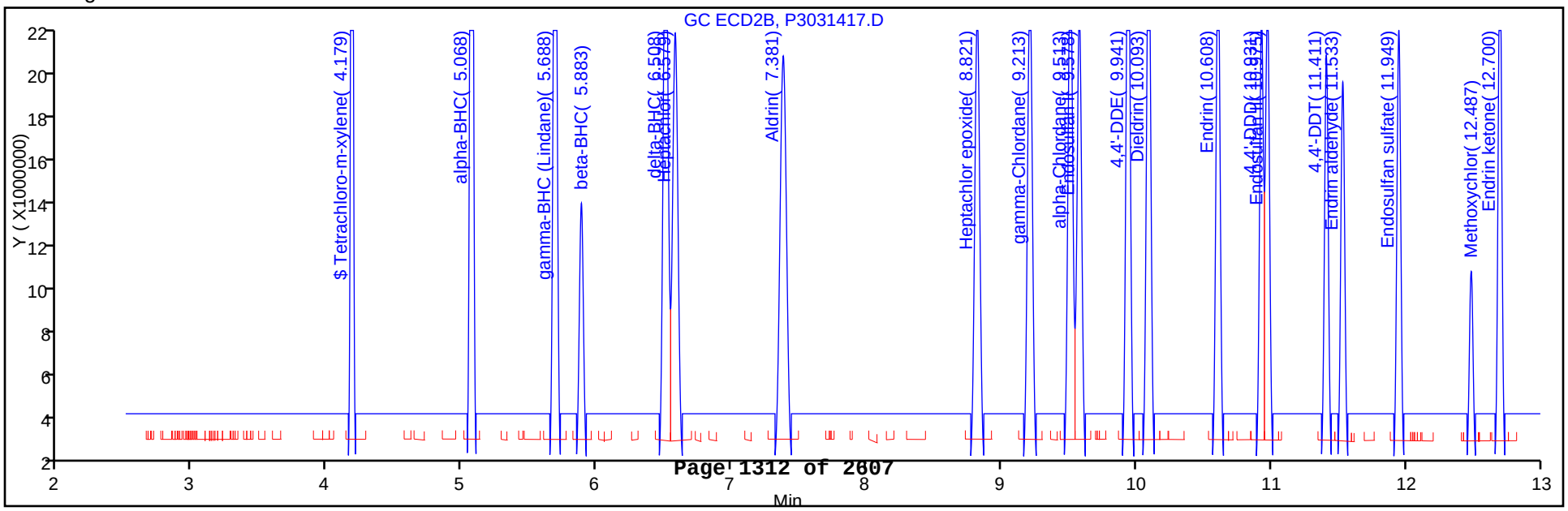
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Injection Date:	14-Mar-2013 15:40:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 14-Mar-2013 16:00:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0017984-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 78295 Lims Sample ID: 18
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	212923308	0.1935			
2	100	4.180	4.180	0.000	124861403	0.2067			
						RPD = 6.60			
5 alpha-BHC									
1	100	4.255	4.255	0.000	334483518	0.2060			
2	100	5.068	5.068	0.000	170744897	0.2218			
						RPD = 7.37			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	296394748	0.2037			
2	100	5.688	5.688	0.000	147384358	0.2177			
						RPD = 6.65			
7 beta-BHC									
1	100	4.777	4.777	0.000	118080169	0.1909			
2	100	5.882	5.883	-0.001	58136075	0.1966			
						RPD = 2.93			
11 delta-BHC									
1	100	4.999	4.999	0.000	306957333	0.2074			
2	100	6.507	6.508	-0.001	154642052	0.2223			
						RPD = 6.95			
22 Heptachlor									
1	100	5.293	5.293	0.000	256221914	0.1989			
2	100	6.578	6.580	-0.002	124246413	0.2131			
						RPD = 6.90			
4 Aldrin									
1	100	5.761	5.761	0.000	274608679	0.2019			
2	100	7.381	7.382	-0.001	144590532	0.2171			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	240083019	0.1952			
2	100	8.821	8.821	0.000	120775880	0.2078			
						RPD = 6.24			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	258135056	0.2043			
2	100	9.212	9.210	0.002	125706508	0.2143			
						RPD = 4.77			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	258882055	0.2007			
2	100	9.511	9.511	0.000	129650177	0.2124			
						RPD = 5.66			
14 Endosulfan I									
1	100	7.967	7.965	0.002	225983627	0.1961			
2	100	9.580	9.578	0.002	111067818	0.2090			
						RPD = 6.41			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	263138642	0.2078			
2	100	9.940	9.940	0.000	134480335	0.2205			
						RPD = 5.95			
13 Dieldrin									
1	100	8.517	8.517	0.000	255983421	0.2018			
2	100	10.093	10.092	0.001	128443491	0.2161			
						RPD = 6.84			
17 Endrin									
1	100	8.966	8.966	0.000	235250743	0.1978			
2	100	10.608	10.608	0.000	113969943	0.2127			
						RPD = 7.25			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	202556675	0.2088			
2	100	10.930	10.930	0.000	94344525	0.2207			
						RPD = 5.55			
15 Endosulfan II									
1	100	9.411	9.411	0.000	214458063	0.1959			
2	100	10.975	10.975	0.000	99422834	0.2048			
						RPD = 4.43			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	192701152	0.2090			
2	100	11.412	11.410	0.002	86159827	0.2178			
						RPD = 4.16			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	169102782	0.1920			
2	100	11.534	11.532	0.002	80703275	0.2043			
						RPD = 6.19			
27 Methoxychlor									
1	100	10.780	10.780	0.000	86082179	0.1866			
2	100	12.486	12.487	-0.001	38867941	0.1948			
						RPD = 4.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	189248380	0.1929			
2	100	11.949	11.948	0.001	90036300	0.2036			
						RPD = 5.39			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	219666410	0.1919			
2	100	12.698	12.699	-0.001	101055206	0.2015			
						RPD = 4.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	177905379	0.1853			
2	100	14.416	14.415	0.001	90371817	0.1880			
						RPD = 1.46			

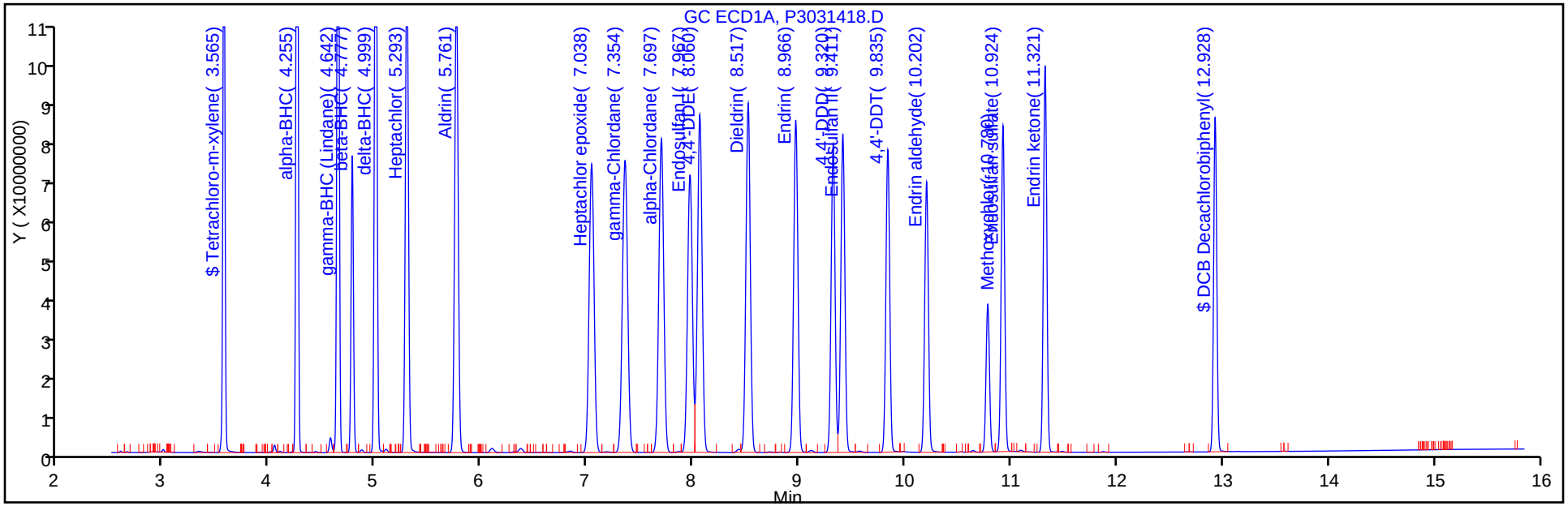
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TestAmerica Canton

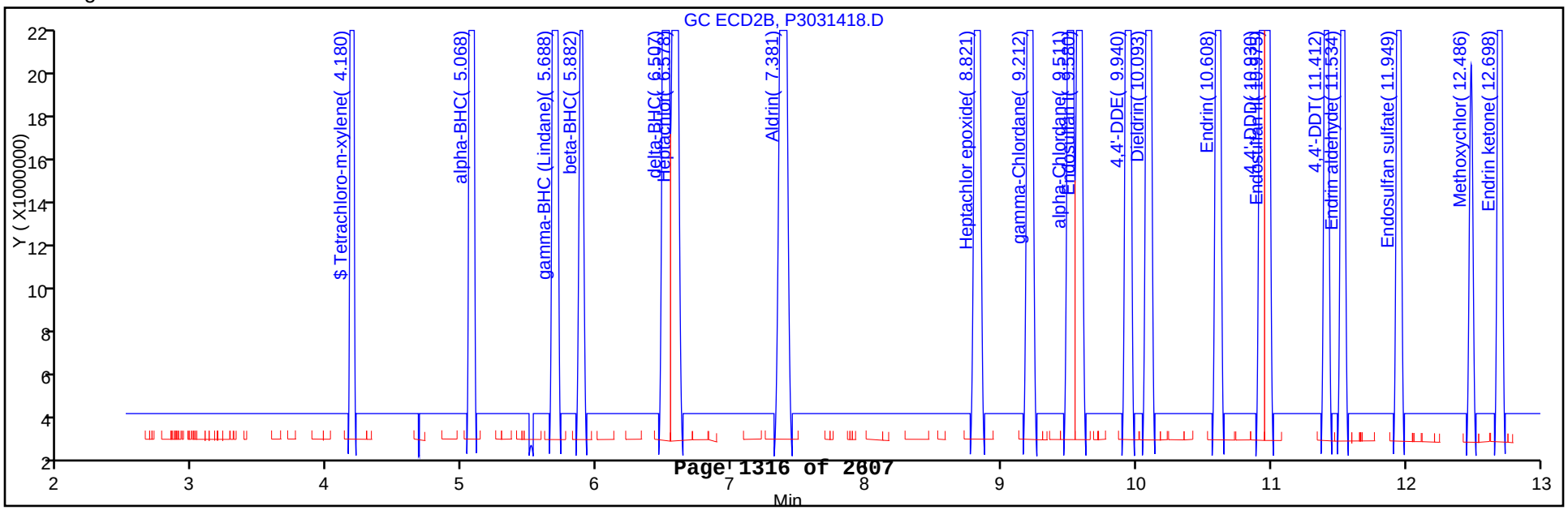
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Injection Date:	14-Mar-2013 16:00:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	2051347 80703275	3823662	9668493	19532823	39689339	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	2308704 90036300	4287527	10831997	21745192	44455758	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	1067535 38867941	2005309	4949088	9817056	19442887	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	2606409 101055206	4880140	12376918	24790369	50377770	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	3011824 124861403	5702672	14906362	30437726	62181454	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	2781857 90371817	4961295	11801499	22823566	45130190	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	14-Mar-2013 14:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0017984-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	78295	Lims Sample ID:	13
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:30	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 14:44:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	5786139	0.005259			
2	100	4.180	4.180	0.000	3011824	0.004987			
						RPD = 5.32			
5 alpha-BHC									
1	100	4.255	4.255	0.000	7723849	0.004757			
2	100	5.068	5.068	0.000	3454865	0.004487			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	7088722	0.004871			
2	100	5.688	5.688	0.000	3183529	0.004702			
						RPD = 3.54			
7 beta-BHC									
1	100	4.777	4.777	0.000	3390982	0.005483			
2	100	5.883	5.883	0.000	1601411	0.005416			
						RPD = 1.23			
11 delta-BHC									
1	100	4.998	4.999	-0.001	7021845	0.004744			
2	100	6.508	6.508	0.000	3208106	0.004612			
						RPD = 2.82			
22 Heptachlor									
1	100	5.293	5.293	0.000	6444168	0.005003			
2	100	6.579	6.580	-0.001	2883043	0.004945			
						RPD = 1.16			
4 Aldrin									
1	100	5.761	5.761	0.000	6751407	0.004964			
2	100	7.382	7.382	0.000	3202302	0.004808			
						RPD = 3.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	6403279	0.005206			
2	100	8.821	8.821	0.000	2933899	0.005047			
						RPD = 3.10			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	6432116	0.005091			
2	100	9.211	9.210	0.001	2883307	0.004915			
						RPD = 3.51			
6 alpha-Chlordane									
1	100	7.695	7.695	0.000	6625948	0.005138			
2	100	9.513	9.511	0.002	3025984	0.004958			
						RPD = 3.56			
14 Endosulfan I									
1	100	7.967	7.965	0.002	6031134	0.005232			
2	100	9.577	9.578	-0.001	2669936	0.005025			
						RPD = 4.04			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	6203794	0.004898			
2	100	9.940	9.940	0.000	2826430	0.004635			
						RPD = 5.53			
13 Dieldrin									
1	100	8.515	8.517	-0.002	6286128	0.004956			
2	100	10.093	10.092	0.001	2836740	0.004773			
						RPD = 3.77			
17 Endrin									
1	100	8.966	8.966	0.000	5981804	0.005030			
2	100	10.608	10.608	0.000	2601220	0.004855			
						RPD = 3.55			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	4725338	0.004870			
2	100	10.930	10.930	0.000	2010016	0.004701			
						RPD = 3.52			
15 Endosulfan II									
1	100	9.411	9.411	0.000	5690305	0.005199			
2	100	10.975	10.975	0.000	2471875	0.005092			
						RPD = 2.08			
3 4,4'-DDT									
1	100	9.836	9.835	0.001	4556454	0.004941			
2	100	11.411	11.410	0.001	1917038	0.004847			
						RPD = 1.93			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	4719044	0.005358			
2	100	11.533	11.532	0.001	2051347	0.005192			
						RPD = 3.15			
27 Methoxychlor									
1	100	10.778	10.780	-0.002	2545427	0.005517			
2	100	12.487	12.487	0.000	1067535	0.005351			
						RPD = 3.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	5226115	0.005327			
2	100	11.949	11.948	0.001	2308704	0.005221			
						RPD = 2.02			
19 Endrin ketone									
1	100	11.323	11.322	0.001	6009662	0.005250			
2	100	12.700	12.699	0.001	2606409	0.005197			
						RPD = 1.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	5454340	0.005680			
2	100	14.416	14.415	0.001	2781857	0.005787			
						RPD = 1.86			

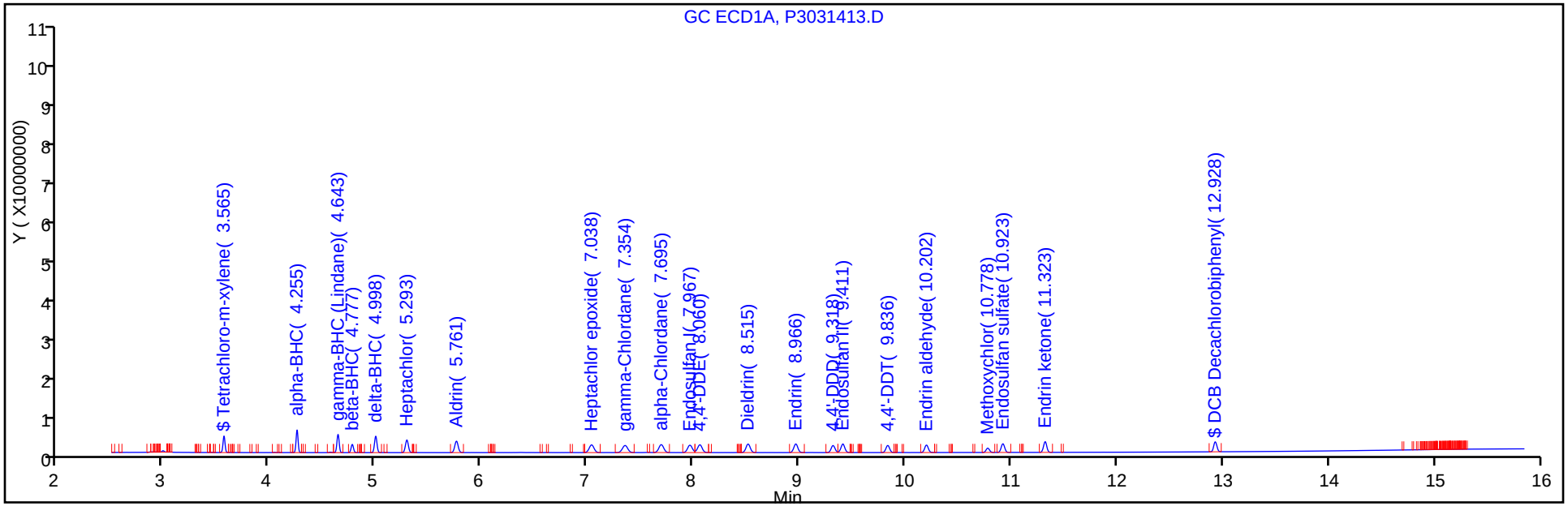
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

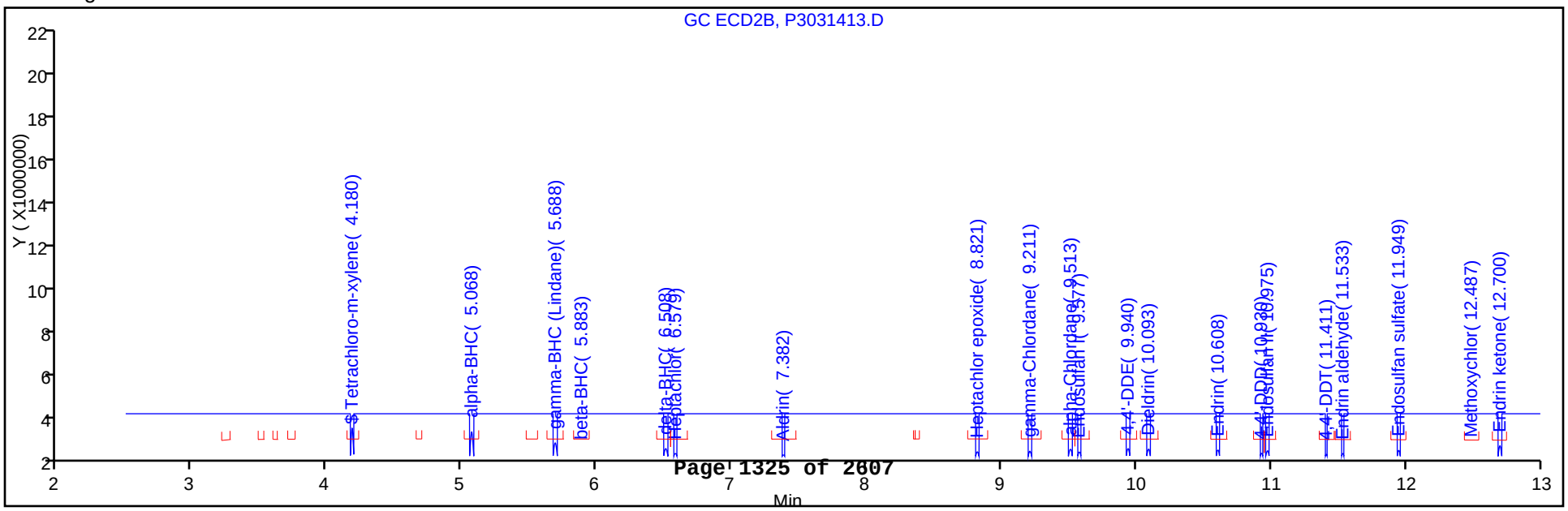
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

Injection Date:	14-Mar-2013 14:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	13
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 14-Mar-2013 14:40:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-014
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78295 Lims Sample ID: 14
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:32 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	10853970	0.009866			
2	100	4.179	4.180	-0.001	5702672	0.009442			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15248998	0.009391			
2	100	5.068	5.068	0.000	6853421	0.008901			
						RPD = 5.36			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13784429	0.009473			
2	100	5.686	5.688	-0.002	6168534	0.009111			
						RPD = 3.89			
7 beta-BHC									
1	100	4.777	4.777	0.000	6245666	0.0101			
2	100	5.883	5.883	0.000	2970864	0.0100			
						RPD = 0.51			
11 delta-BHC									
1	100	4.999	4.999	0.000	13781803	0.009311			
2	100	6.507	6.508	-0.001	6236042	0.008965			
						RPD = 3.79			
22 Heptachlor									
1	100	5.293	5.293	0.000	12370788	0.009604			
2	100	6.579	6.580	-0.001	5428603	0.009312			
						RPD = 3.09			
4 Aldrin									
1	100	5.761	5.761	0.000	12899784	0.009485			
2	100	7.381	7.382	-0.001	6142993	0.009223			
						RPD = 2.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	12063566	0.009808			
2	100	8.822	8.821	0.001	5518990	0.009494			
						RPD = 3.25			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	12036397	0.009526			
2	100	9.213	9.210	0.003	5470133	0.009325			
						RPD = 2.13			
6 alpha-Chlordane									
1	100	7.696	7.695	0.001	12544705	0.009727			
2	100	9.512	9.511	0.001	5720847	0.009373			
						RPD = 3.70			
14 Endosulfan I									
1	100	7.967	7.965	0.002	11203157	0.009720			
2	100	9.579	9.578	0.001	5007678	0.009425			
						RPD = 3.08			
2 4,4'-DDE									
1	100	8.061	8.060	0.001	11845796	0.009353			
2	100	9.940	9.940	0.000	5500244	0.009019			
						RPD = 3.64			
13 Dieldrin									
1	100	8.518	8.517	0.001	12071295	0.009517			
2	100	10.092	10.092	0.000	5437292	0.009148			
						RPD = 3.95			
17 Endrin									
1	100	8.968	8.966	0.002	11445308	0.009625			
2	100	10.608	10.608	0.000	4964610	0.009266			
						RPD = 3.80			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	9040316	0.009317			
2	100	10.929	10.930	-0.001	3843604	0.008990			
						RPD = 3.57			
15 Endosulfan II									
1	100	9.412	9.411	0.001	10634263	0.009715			
2	100	10.974	10.975	-0.001	4665020	0.009609			
						RPD = 1.10			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	8616751	0.009344			
2	100	11.412	11.410	0.002	3637635	0.009196			
						RPD = 1.59			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	8702583	0.009881			
2	100	11.533	11.532	0.001	3823662	0.009678			
						RPD = 2.08			
27 Methoxychlor									
1	100	10.781	10.780	0.001	4730704	0.0103			
2	100	12.486	12.487	-0.001	2005309	0.0101			
						RPD = 1.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	9739687	0.0099			
2	100	11.949	11.948	0.001	4287527	0.009695			
						RPD = 2.37			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	11341812	0.0099			
2	100	12.699	12.699	0.000	4880140	0.009730			
						RPD = 1.82			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	9893444	0.0103			
2	100	14.415	14.415	0.000	4961295	0.0103			
						RPD = 0.17			

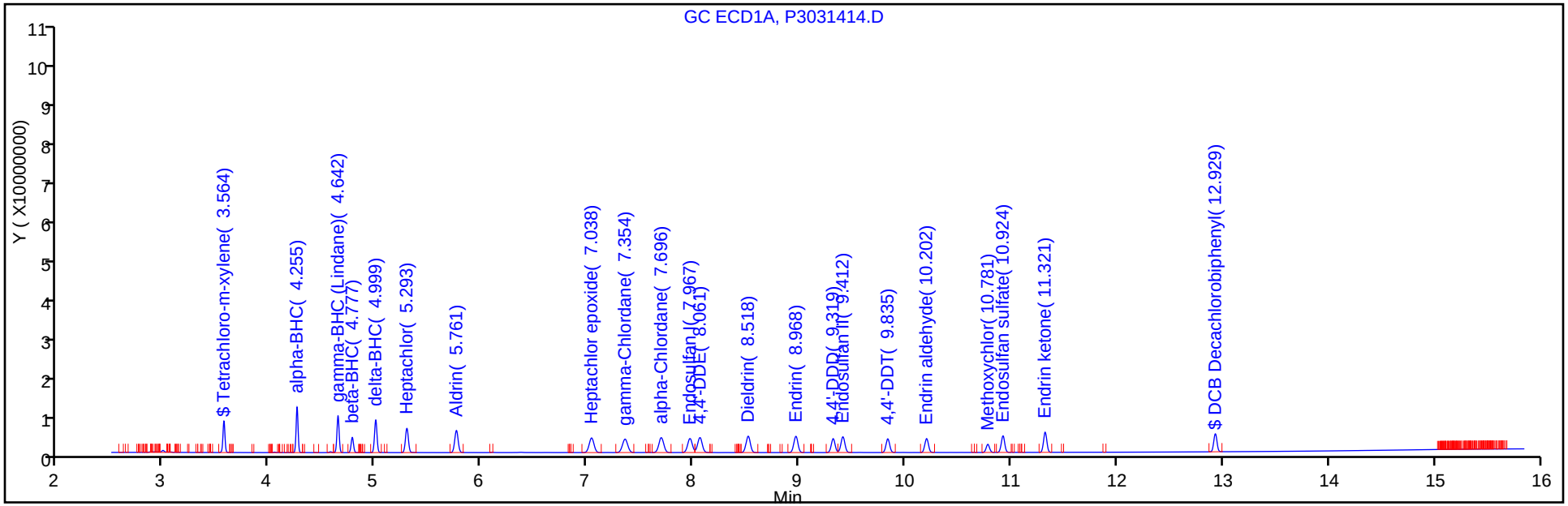
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TestAmerica Canton

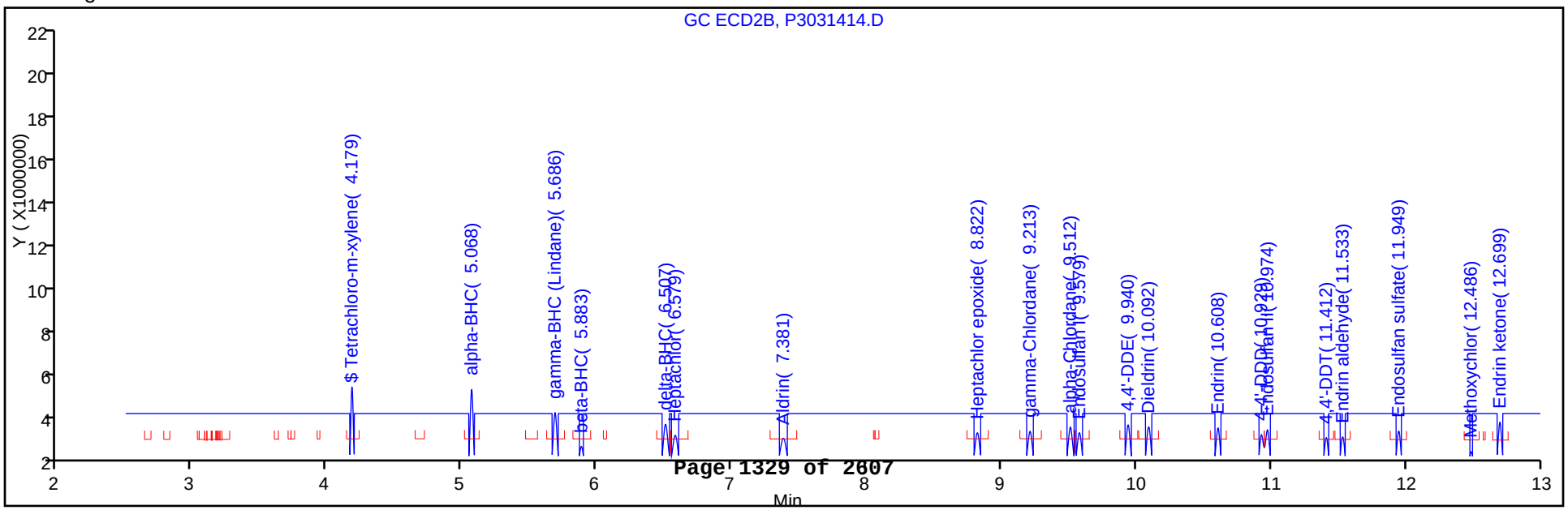
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Injection Date:	14-Mar-2013 14:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	14-Mar-2013 15:00:19	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0017984-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	78295	Lims Sample ID:	15
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:34	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 15:41:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	27754637	0.0252			
2	100	4.180	4.180	0.000	14906362	0.0247			
						RPD = 2.19			
5 alpha-BHC									
1	100	4.255	4.255	0.000	41109116	0.0253			
2	100	5.068	5.068	0.000	18954736	0.0246			
						RPD = 2.80			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	36713863	0.0252			
2	100	5.688	5.688	0.000	16553033	0.0244			
						RPD = 3.14			
7 beta-BHC									
1	100	4.777	4.777	0.000	15375560	0.0249			
2	100	5.883	5.883	0.000	7291460	0.0247			
						RPD = 0.82			
11 delta-BHC									
1	100	4.999	4.999	0.000	37354970	0.0252			
2	100	6.508	6.508	0.000	16933296	0.0243			
						RPD = 3.61			
22 Heptachlor									
1	100	5.293	5.293	0.000	32449578	0.0252			
2	100	6.580	6.580	0.000	14236051	0.0244			
						RPD = 3.12			
4 Aldrin									
1	100	5.761	5.761	0.000	34263341	0.0252			
2	100	7.382	7.382	0.000	16200307	0.0243			
						RPD = 3.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.039	7.039	0.000	30839303	0.0251			
2	100	8.821	8.821	0.000	14246942	0.0245			
						RPD = 2.28			
21 gamma-Chlordane									
1	100	7.355	7.355	0.000	31245166	0.0247			
2	100	9.210	9.210	0.000	14290617	0.0244			
						RPD = 1.50			
6 alpha-Chlordane									M
1	100	7.695	7.695	0.000	31969190	0.0248			M
2	100	9.511	9.511	0.000	14946818	0.0245			
						RPD = 1.21			
14 Endosulfan I									
1	100	7.965	7.965	0.000	28739979	0.0249			
2	100	9.578	9.578	0.000	12998289	0.0245			
						RPD = 1.90			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	31304045	0.0247			
2	100	9.940	9.940	0.000	14909439	0.0244			
						RPD = 1.10			
13 Dieldrin									
1	100	8.517	8.517	0.000	31797893	0.0251			
2	100	10.092	10.092	0.000	14570978	0.0245			
						RPD = 2.24			
17 Endrin									
1	100	8.966	8.966	0.000	30003036	0.0252			
2	100	10.608	10.608	0.000	13183902	0.0246			
						RPD = 2.51			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	24116204	0.0249			
2	100	10.930	10.930	0.000	10482730	0.0245			
						RPD = 1.36			
15 Endosulfan II									
1	100	9.411	9.411	0.000	27513681	0.0251			
2	100	10.975	10.975	0.000	11876887	0.0245			
						RPD = 2.71			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	22724641	0.0246			
2	100	11.410	11.410	0.000	9589094	0.0242			
						RPD = 1.63			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	21988432	0.0250			
2	100	11.532	11.532	0.000	9668493	0.0245			
						RPD = 2.00			
27 Methoxychlor									
1	100	10.780	10.780	0.000	11506611	0.0249			
2	100	12.487	12.487	0.000	4949088	0.0248			
						RPD = 0.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.925	10.925	0.000	24363041	0.0248			
2	100	11.948	11.948	0.000	10831997	0.0245			
						RPD = 1.38			
19 Endrin ketone									
1	100	11.322	11.322	0.000	28824794	0.0252			
2	100	12.699	12.699	0.000	12376918	0.0247			
						RPD = 2.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	23867477	0.0249			
2	100	14.415	14.415	0.000	11801499	0.0246			
						RPD = 1.23			

QC Flag Legend

Review Flags
M - Manually Integrated

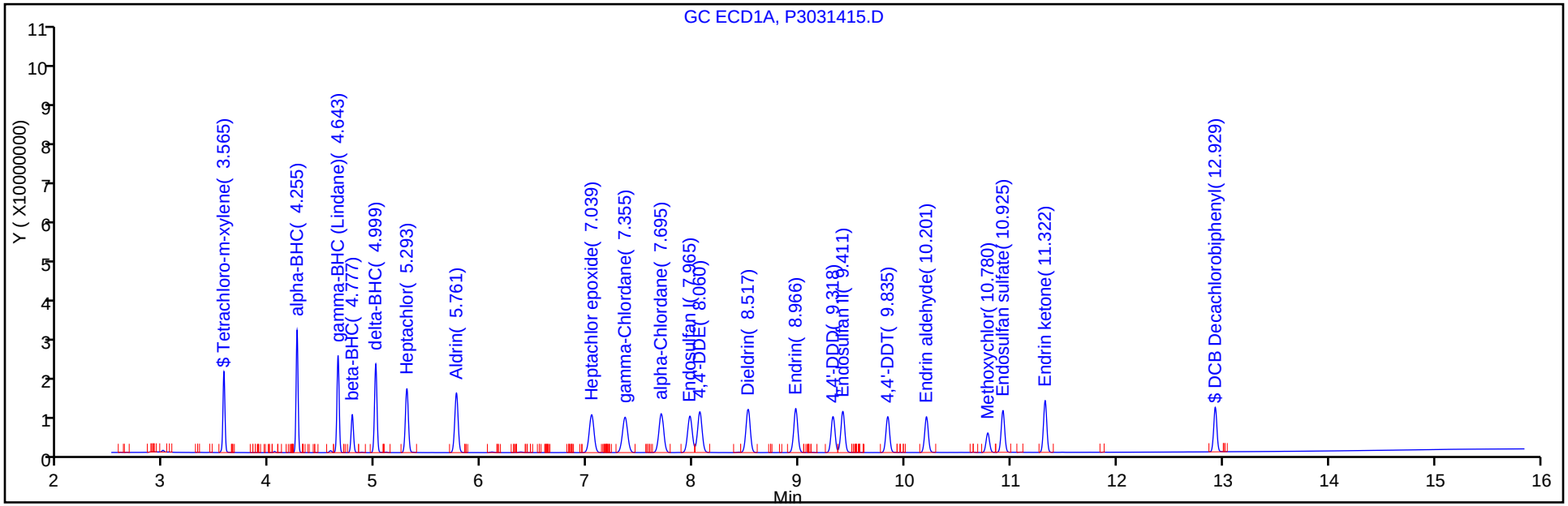
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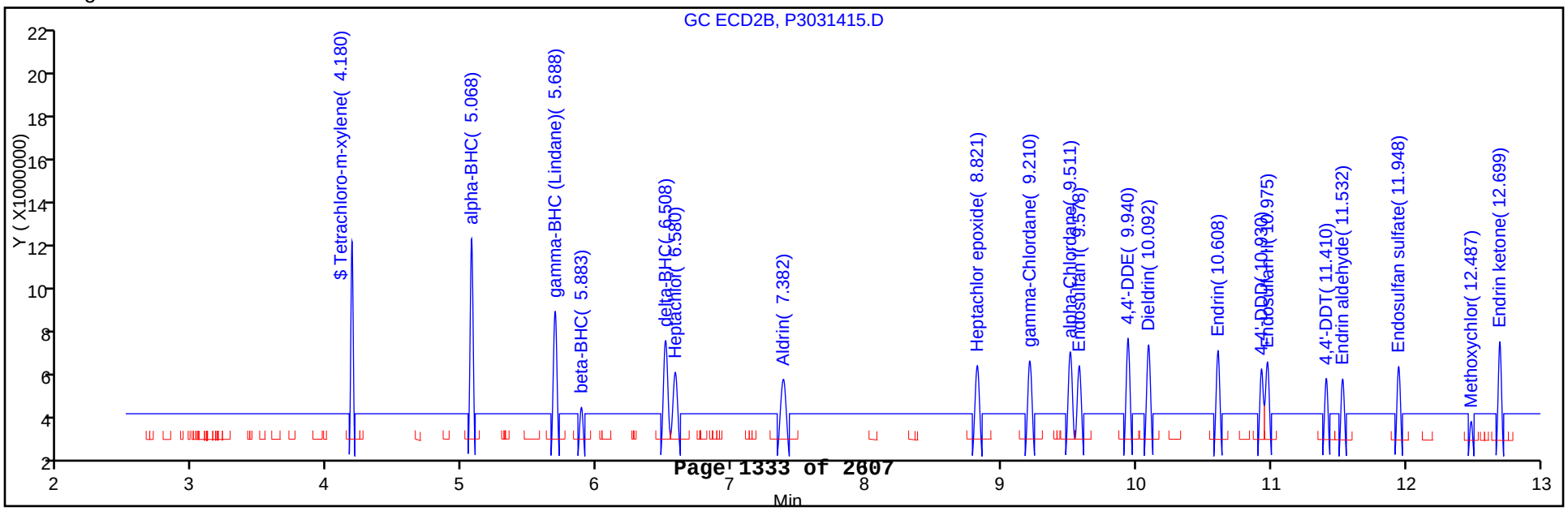
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Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D		
Lims ID:	STD AB L4	Client ID:	
Inject. Date:	14-Mar-2013 15:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0017984-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	78295	Lims Sample ID:	16
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:36	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 16:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	54928603	0.0499			
2	100	4.179	4.180	-0.001	30437726	0.0504			
						RPD = 0.94			
5 alpha-BHC									
1	100	4.255	4.255	0.000	83254980	0.0513			
2	100	5.068	5.068	0.000	39687017	0.0515			
						RPD = 0.53			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	74128935	0.0509			
2	100	5.687	5.688	-0.001	34332874	0.0507			
						RPD = 0.46			
7 beta-BHC									
1	100	4.777	4.777	0.000	30109377	0.0487			
2	100	5.882	5.883	-0.001	14280872	0.0483			
						RPD = 0.80			
11 delta-BHC									
1	100	4.998	4.999	-0.001	75876449	0.0513			
2	100	6.508	6.508	0.000	35380167	0.0509			
						RPD = 0.78			
22 Heptachlor									
1	100	5.293	5.293	0.000	65357289	0.0507			
2	100	6.579	6.580	-0.001	29140848	0.0500			
						RPD = 1.50			
4 Aldrin									
1	100	5.760	5.761	-0.001	68888892	0.0507			
2	100	7.380	7.382	-0.002	33339061	0.0501			
						RPD = 1.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	61142532	0.0497			
2	100	8.820	8.821	-0.001	28806716	0.0496			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	62789444	0.0497			
2	100	9.211	9.210	0.001	29175157	0.0497			
						RPD = 0.08			
6 alpha-Chlordane									
1	100	7.694	7.695	-0.001	63962633	0.0496			
2	100	9.510	9.511	-0.001	30210613	0.0495			
						RPD = 0.19			
14 Endosulfan I									
1	100	7.967	7.965	0.002	57355301	0.0498			
2	100	9.578	9.578	0.000	26468245	0.0498			
						RPD = 0.11			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	64158456	0.0507			
2	100	9.940	9.940	0.000	31031644	0.0509			
						RPD = 0.45			
13 Dieldrin									
1	100	8.516	8.517	-0.001	64295083	0.0507			
2	100	10.092	10.092	0.000	30001382	0.0505			
						RPD = 0.42			
17 Endrin									
1	100	8.965	8.966	-0.001	60197190	0.0506			
2	100	10.606	10.608	-0.002	26944971	0.0503			
						RPD = 0.66			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	49032652	0.0505			
2	100	10.928	10.930	-0.002	21704045	0.0508			
						RPD = 0.46			
15 Endosulfan II									
1	100	9.410	9.411	-0.001	54571554	0.0499			
2	100	10.974	10.975	-0.001	24090696	0.0496			
						RPD = 0.47			
3 4,4'-DDT									
1	100	9.834	9.835	-0.001	46440699	0.0504			
2	100	11.410	11.410	0.000	19827190	0.0501			
						RPD = 0.46			
18 Endrin aldehyde									
1	100	10.200	10.201	-0.001	43730934	0.0497			
2	100	11.532	11.532	0.000	19532823	0.0494			
						RPD = 0.43			
27 Methoxychlor									
1	100	10.780	10.780	0.000	22775450	0.0494			
2	100	12.486	12.487	-0.001	9817056	0.0492			
						RPD = 0.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	48795973	0.0497			
2	100	11.948	11.948	0.000	21745192	0.0492			
						RPD = 1.15			
19 Endrin ketone									
1	100	11.322	11.322	0.000	57124126	0.0499			
2	100	12.700	12.699	0.001	24790369	0.0494			
						RPD = 0.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	46376052	0.0483			
2	100	14.417	14.415	0.002	22823566	0.0475			
						RPD = 1.70			

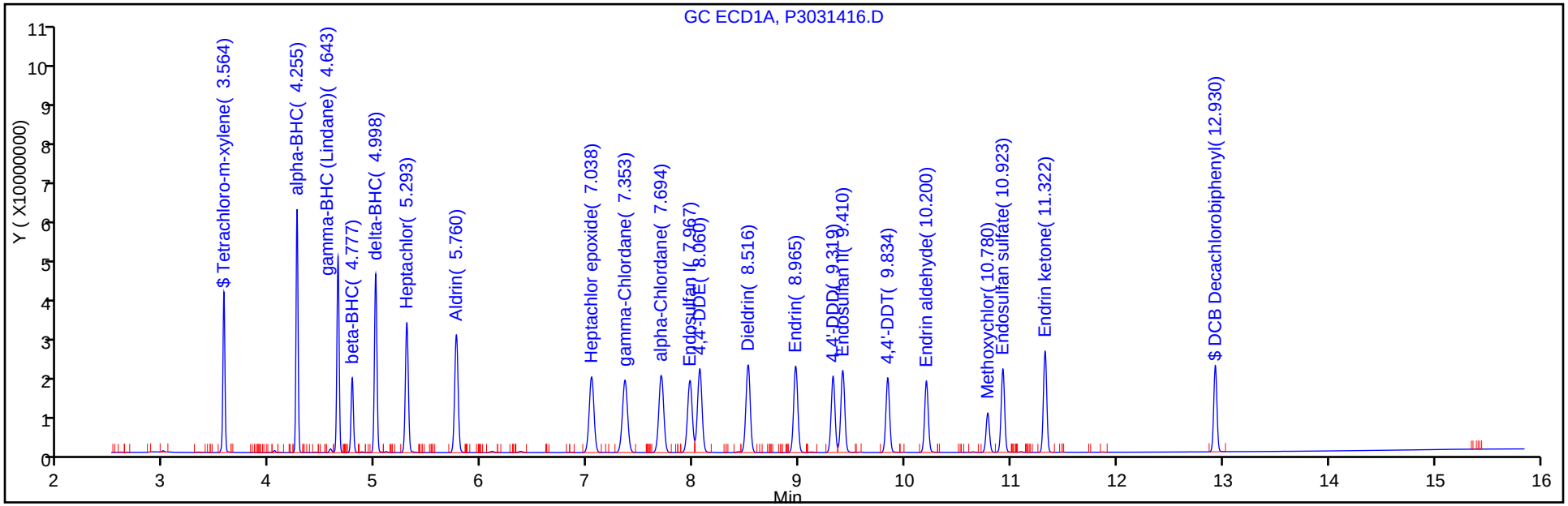
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TestAmerica Canton

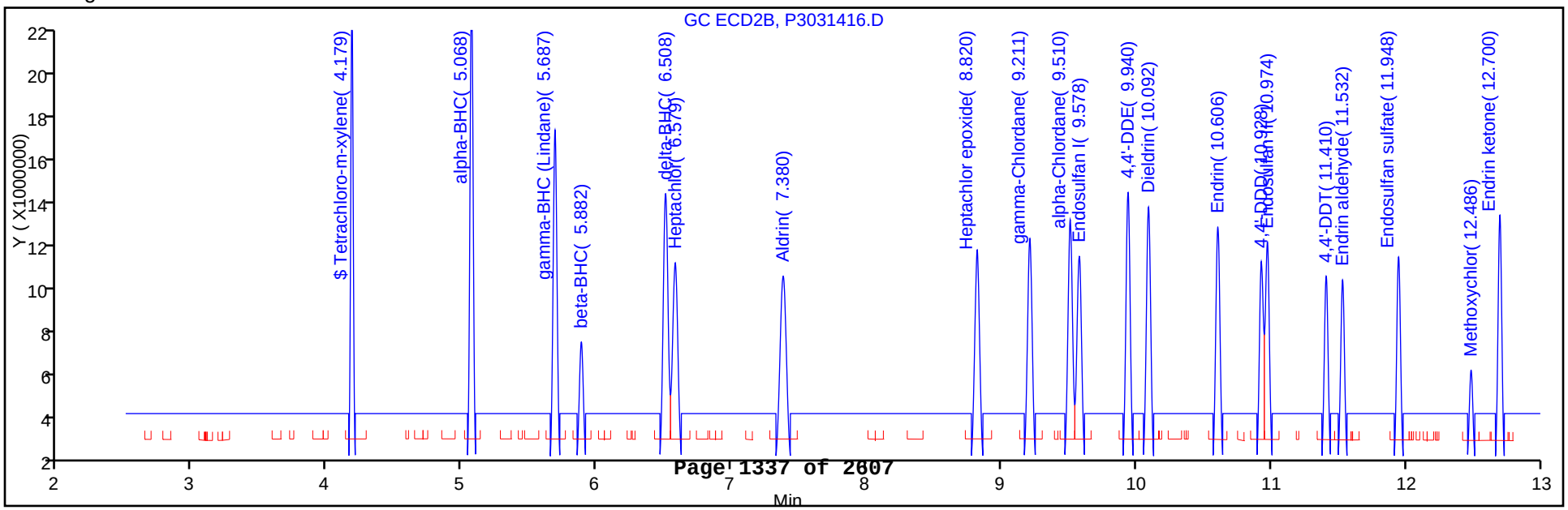
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Injection Date:	14-Mar-2013 15:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 14-Mar-2013 15:40:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-017
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78295 Lims Sample ID: 17
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:38 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	108498220	0.0986			
2	100	4.179	4.180	-0.001	62181454	0.1030			
						RPD = 4.30			
5 alpha-BHC									
1	100	4.256	4.255	0.001	169069280	0.1041			
2	100	5.068	5.068	0.000	83756504	0.1088			
						RPD = 4.38			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	150192651	0.1032			
2	100	5.688	5.688	0.000	72308864	0.1068			
						RPD = 3.42			
7 beta-BHC									
1	100	4.777	4.777	0.000	60054605	0.0971			
2	100	5.883	5.883	0.000	28891924	0.0977			
						RPD = 0.62			
11 delta-BHC									
1	100	4.998	4.999	-0.001	155211774	0.1049			
2	100	6.508	6.508	0.000	75035996	0.1079			
						RPD = 2.83			
22 Heptachlor									
1	100	5.294	5.293	0.001	131620345	0.1022			
2	100	6.579	6.580	-0.001	60486311	0.1038			
						RPD = 1.53			
4 Aldrin									
1	100	5.761	5.761	0.000	139831096	0.1028			
2	100	7.381	7.382	-0.001	70399564	0.1057			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	123607519	0.1005			
2	100	8.821	8.821	0.000	59935339	0.1031			
						RPD = 2.56			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	129462169	0.1025			
2	100	9.213	9.210	0.003	61228950	0.1044			
						RPD = 1.85			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	130612634	0.1013			
2	100	9.513	9.511	0.002	63433868	0.1039			
						RPD = 2.59			
14 Endosulfan I									
1	100	7.967	7.965	0.002	116265499	0.1009			
2	100	9.578	9.578	0.000	54856402	0.1032			
						RPD = 2.33			
2 4,4'-DDE									
1	100	8.059	8.060	-0.001	132266883	0.1044			
2	100	9.941	9.940	0.001	65438107	0.1073			
						RPD = 2.71			
13 Dieldrin									
1	100	8.518	8.517	0.001	130845292	0.1032			
2	100	10.093	10.092	0.001	63014184	0.1060			
						RPD = 2.73			
17 Endrin									
1	100	8.966	8.966	0.000	121362286	0.1021			
2	100	10.608	10.608	0.000	56195128	0.1049			
						RPD = 2.73			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	101475837	0.1046			
2	100	10.931	10.930	0.001	45380274	0.1061			
						RPD = 1.48			
15 Endosulfan II									
1	100	9.411	9.411	0.000	110168800	0.1006			
2	100	10.975	10.975	0.000	49795219	0.1026			
						RPD = 1.89			
3 4,4'-DDT									
1	100	9.837	9.835	0.002	95899338	0.1040			
2	100	11.411	11.410	0.001	41520195	0.1050			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	87045399	0.0988			
2	100	11.533	11.532	0.001	39689339	0.1005			
						RPD = 1.63			
27 Methoxychlor									
1	100	10.780	10.780	0.000	44017689	0.0954			
2	100	12.487	12.487	0.000	19442887	0.0974			
						RPD = 2.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	97049405	0.0989			
2	100	11.949	11.948	0.001	44455758	0.1005			
						RPD = 1.61			
19 Endrin ketone									
1	100	11.323	11.322	0.001	113796937	0.0994			
2	100	12.700	12.699	0.001	50377770	0.1004			
						RPD = 1.03			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	90947133	0.0947			
2	100	14.416	14.415	0.001	45130190	0.0939			
						RPD = 0.88			

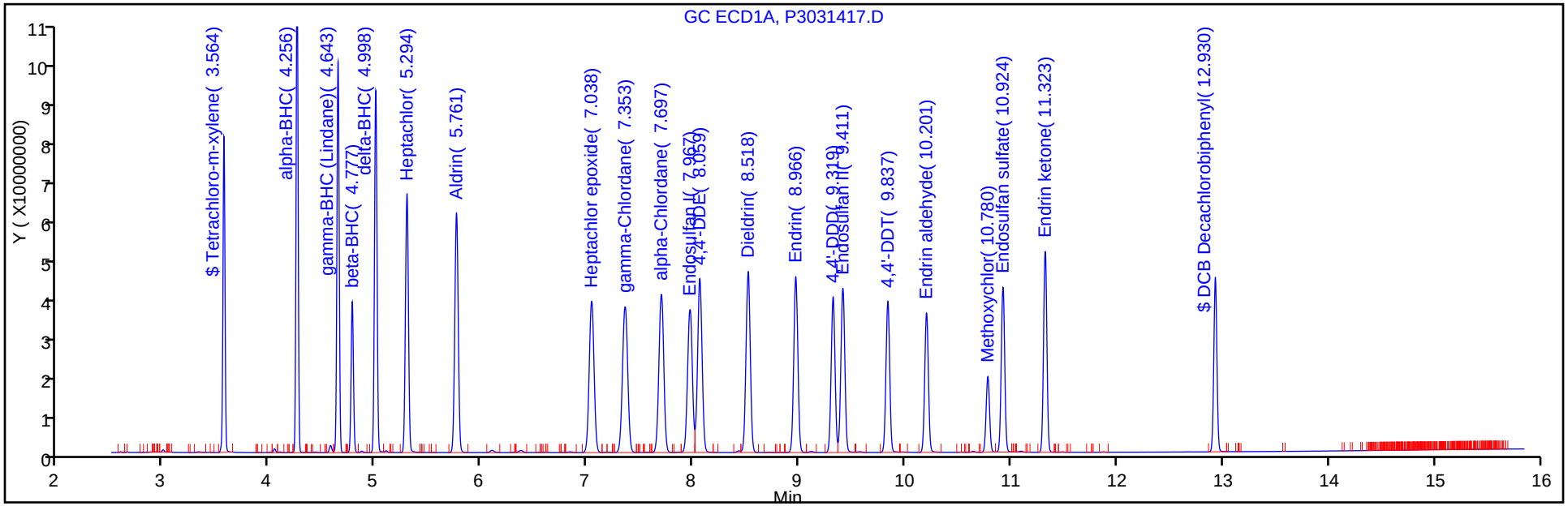
Report Date: 15-Mar-2013 07:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

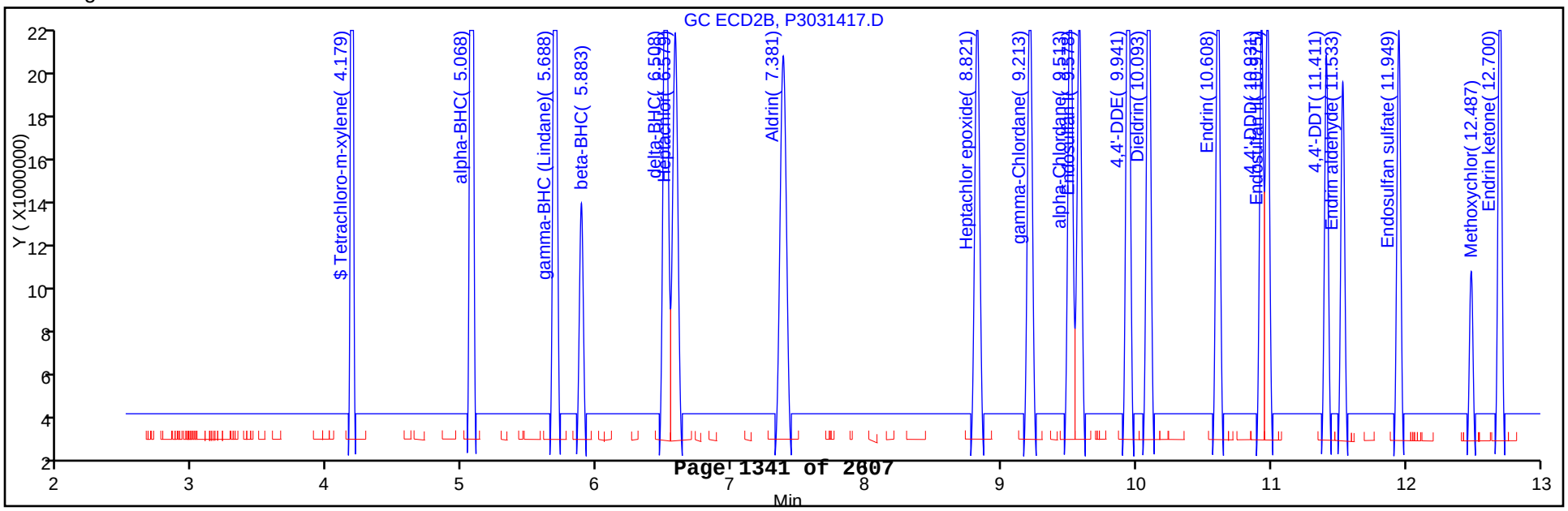
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D

Injection Date:	14-Mar-2013 15:40:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D		
Lims ID:	STD AB L6	Client ID:	
Inject. Date:	14-Mar-2013 16:00:25	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0017984-018		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	78295	Lims Sample ID:	18
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:39	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	212923308	0.1935			
2	100	4.180	4.180	0.000	124861403	0.2067			
						RPD = 6.60			
5 alpha-BHC									
1	100	4.255	4.255	0.000	334483518	0.2060			
2	100	5.068	5.068	0.000	170744897	0.2218			
						RPD = 7.37			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	296394748	0.2037			
2	100	5.688	5.688	0.000	147384358	0.2177			
						RPD = 6.65			
7 beta-BHC									
1	100	4.777	4.777	0.000	118080169	0.1909			
2	100	5.882	5.883	-0.001	58136075	0.1966			
						RPD = 2.93			
11 delta-BHC									
1	100	4.999	4.999	0.000	306957333	0.2074			
2	100	6.507	6.508	-0.001	154642052	0.2223			
						RPD = 6.95			
22 Heptachlor									
1	100	5.293	5.293	0.000	256221914	0.1989			
2	100	6.578	6.580	-0.002	124246413	0.2131			
						RPD = 6.90			
4 Aldrin									
1	100	5.761	5.761	0.000	274608679	0.2019			
2	100	7.381	7.382	-0.001	144590532	0.2171			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	240083019	0.1952			
2	100	8.821	8.821	0.000	120775880	0.2078			
						RPD = 6.24			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	258135056	0.2043			
2	100	9.212	9.210	0.002	125706508	0.2143			
						RPD = 4.77			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	258882055	0.2007			
2	100	9.511	9.511	0.000	129650177	0.2124			
						RPD = 5.66			
14 Endosulfan I									
1	100	7.967	7.965	0.002	225983627	0.1961			
2	100	9.580	9.578	0.002	111067818	0.2090			
						RPD = 6.41			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	263138642	0.2078			
2	100	9.940	9.940	0.000	134480335	0.2205			
						RPD = 5.95			
13 Dieldrin									
1	100	8.517	8.517	0.000	255983421	0.2018			
2	100	10.093	10.092	0.001	128443491	0.2161			
						RPD = 6.84			
17 Endrin									
1	100	8.966	8.966	0.000	235250743	0.1978			
2	100	10.608	10.608	0.000	113969943	0.2127			
						RPD = 7.25			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	202556675	0.2088			
2	100	10.930	10.930	0.000	94344525	0.2207			
						RPD = 5.55			
15 Endosulfan II									
1	100	9.411	9.411	0.000	214458063	0.1959			
2	100	10.975	10.975	0.000	99422834	0.2048			
						RPD = 4.43			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	192701152	0.2090			
2	100	11.412	11.410	0.002	86159827	0.2178			
						RPD = 4.16			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	169102782	0.1920			
2	100	11.534	11.532	0.002	80703275	0.2043			
						RPD = 6.19			
27 Methoxychlor									
1	100	10.780	10.780	0.000	86082179	0.1866			
2	100	12.486	12.487	-0.001	38867941	0.1948			
						RPD = 4.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	189248380	0.1929			
2	100	11.949	11.948	0.001	90036300	0.2036			
						RPD = 5.39			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	219666410	0.1919			
2	100	12.698	12.699	-0.001	101055206	0.2015			
						RPD = 4.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	177905379	0.1853			
2	100	14.416	14.415	0.001	90371817	0.1880			
						RPD = 1.46			

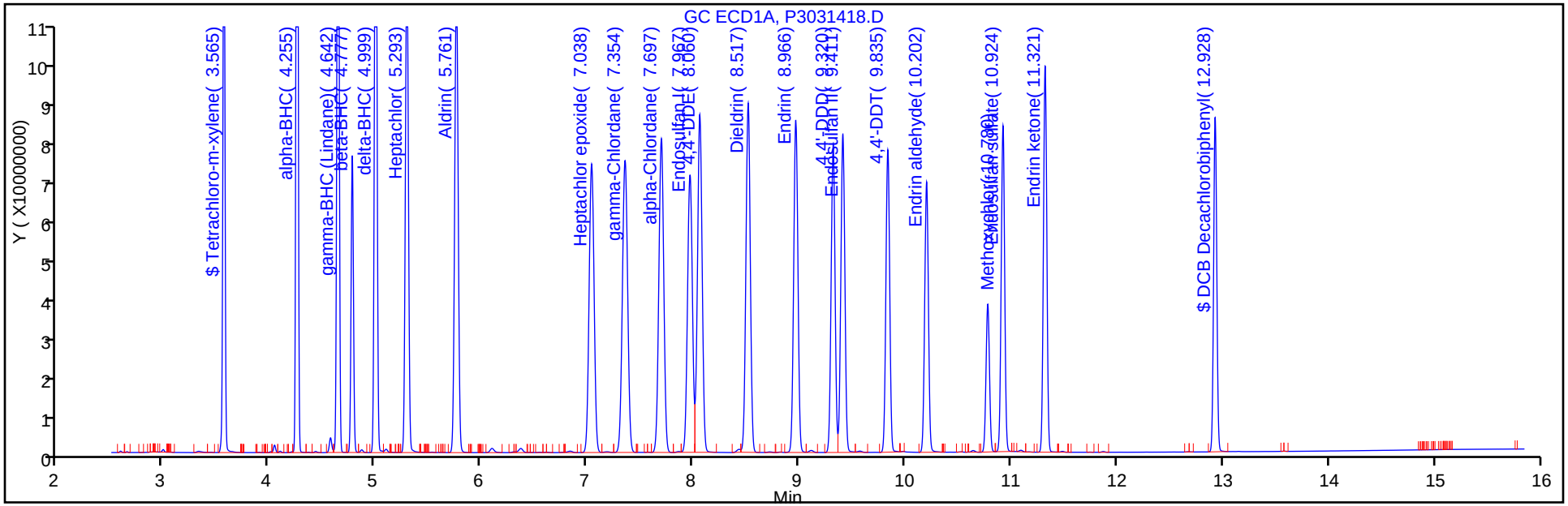
Report Date: 15-Mar-2013 07:54:41 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

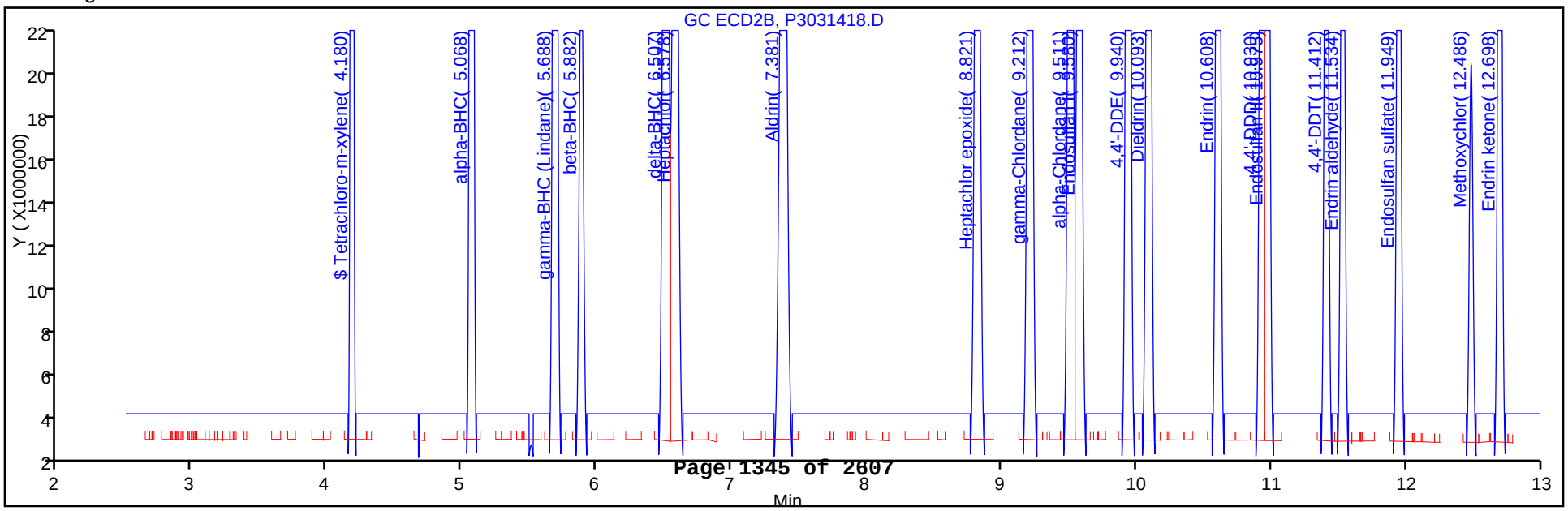
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Injection Date:	14-Mar-2013 16:00:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	9286041	22738539	49314516	101593105	263734805	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	9626325	23407030	49873719	100812821	268763022	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	7779838	19030200	41893479	83595765	222109554	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	5842596	14363660	31123539	63727669	174780978	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	4737004	11948702	25877371	53731158	152313906	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 14-Mar-2013 16:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017984-020
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 78295 Lims Sample ID: 20
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:42 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.390	10.386	0.004	9286041	0.1897		100.0	M
1	2	10.729	10.729	0.000	9626325	0.1933	81.1- 121.1	103.7	M
1	3	10.878	10.879	-0.001	7779838	0.1897	65.0- 105.0	83.8	M
1	4	11.293	11.292	0.001	5842596	0.1874	43.1- 83.1	62.9	M
1	5	11.559	11.560	-0.001	4737004	0.1811	32.5- 72.5	51.0	M
			Average of Peak Amounts =			0.1882			
2	100	10.531	10.532	-0.001	3281298	0.1944		100.0	M
2	2	11.116	11.117	-0.001	4109675	0.1908	108.3- 148.3	125.2	M
2	3	11.534	11.535	-0.001	4939341	0.1898	134.7- 174.7	150.5	M
2	4	12.277	12.278	-0.001	5869539	0.1936	157.2- 197.2	178.9	M
2	5	12.838	12.837	0.001	2401522	0.1965	51.7- 91.7	73.2	M
			Average of Peak Amounts =			0.1930			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

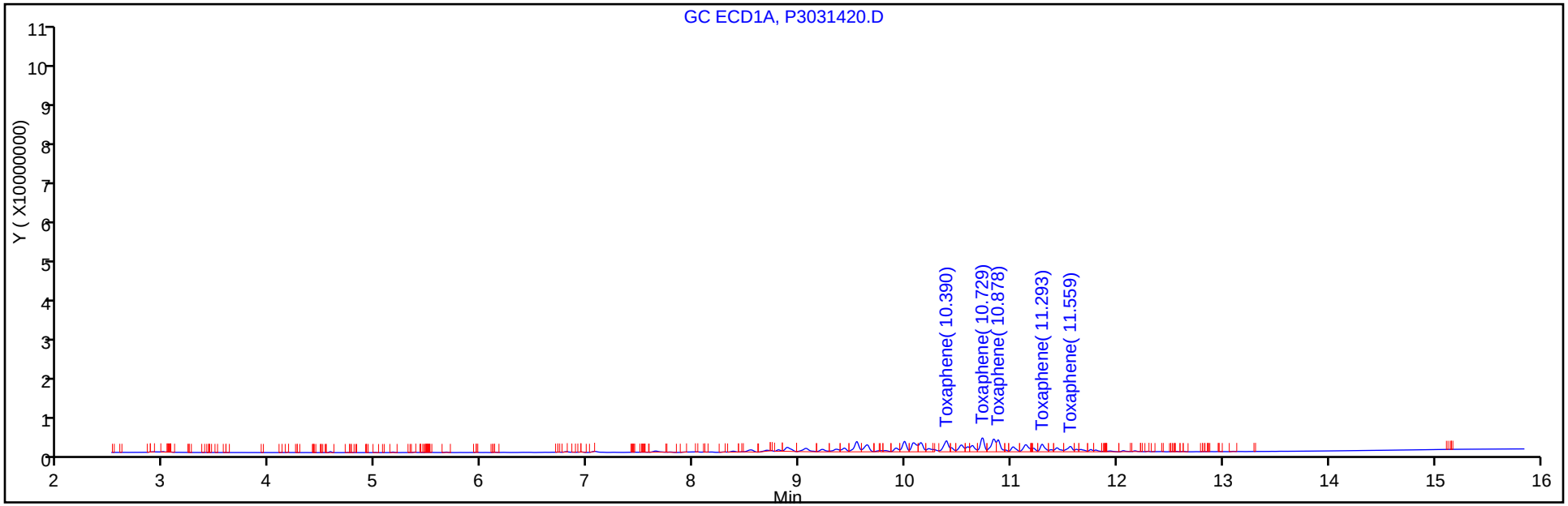
Report Date: 15-Mar-2013 07:54:43 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

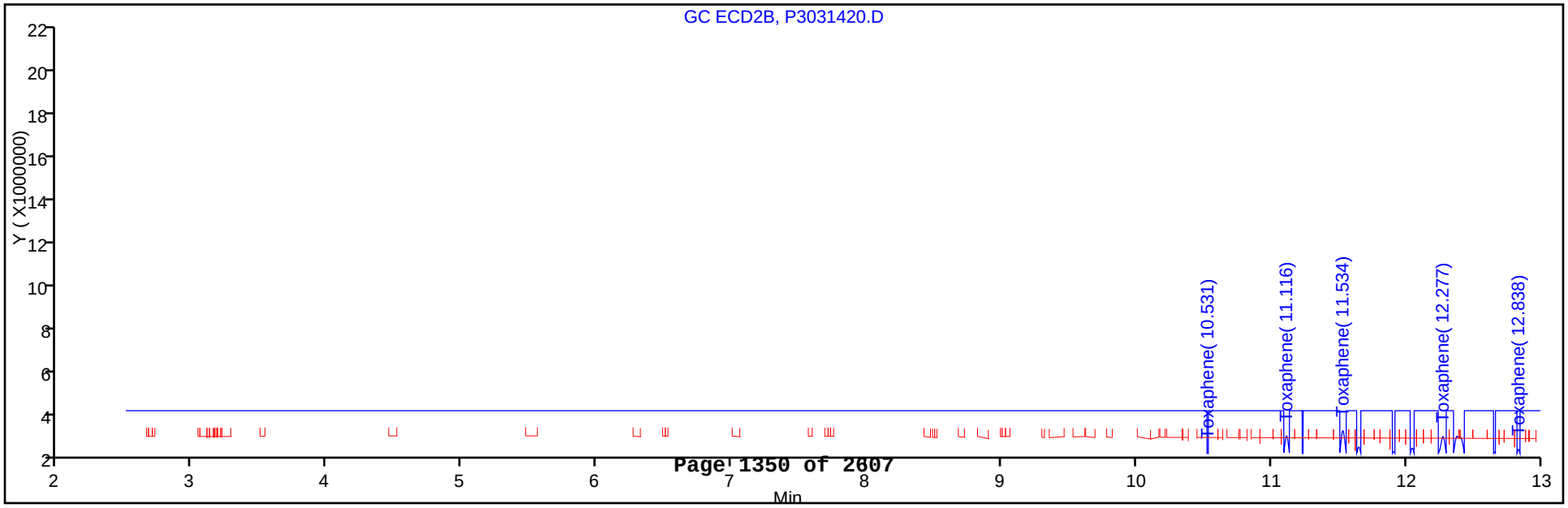
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Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



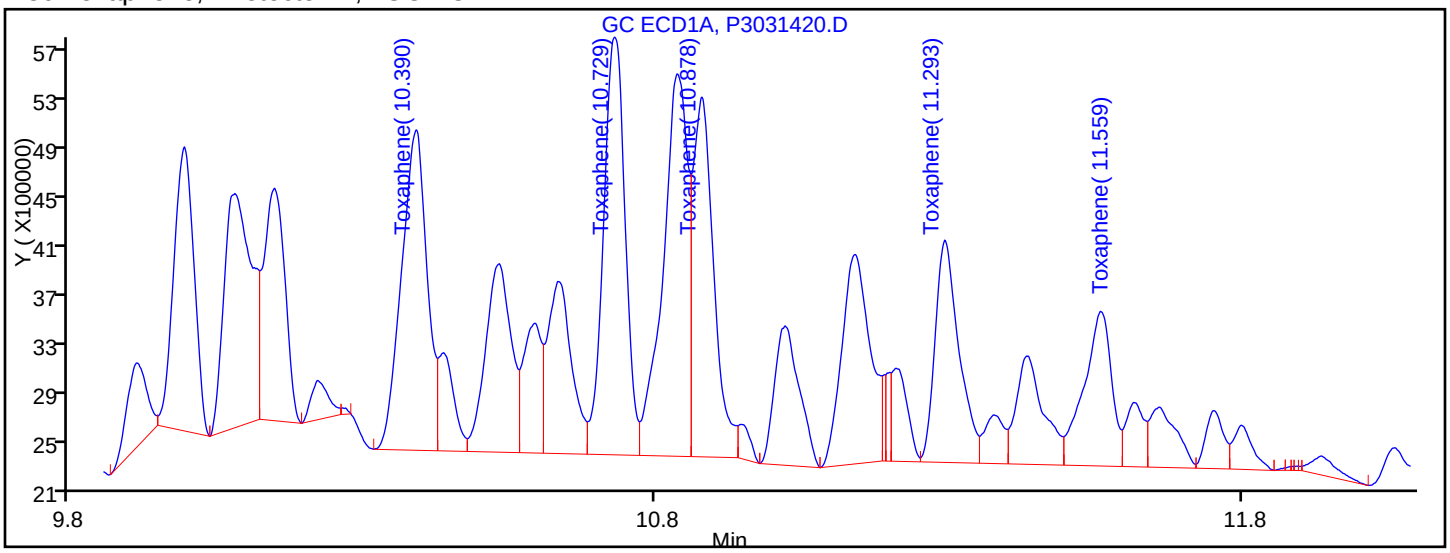
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

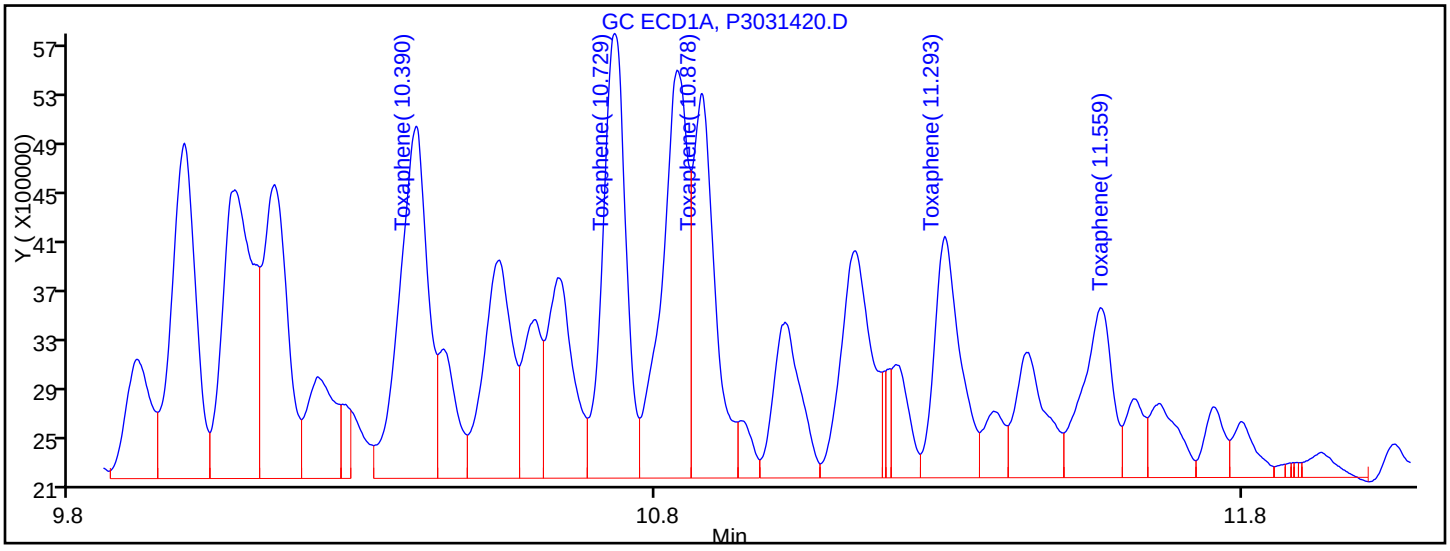
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.390	Response = 7643281	M
RT = 10.729	Response = 8493936	M
RT = 10.878	Response = 6855372	M
RT = 11.293	Response = 4945590	M
RT = 11.559	Response = 4009207	M



Manual Integration Results

RT = 10.390	Response = 9286041	M
RT = 10.729	Response = 9626325	M
RT = 10.878	Response = 7779838	M
RT = 11.293	Response = 5842596	M
RT = 11.559	Response = 4737004	M

Reviewer: shockr, 15-Mar-2013 07:29:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 14-Mar-2013 17:00:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 78295 Lims Sample ID: 21
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:44 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	22738539	0.4645		100.0	M
1	2	10.729	10.729	0.000	23407030	0.4701	81.1- 121.1	102.9	M
1	3	10.880	10.879	0.001	19030200	0.4640	65.0- 105.0	83.7	M
1	4	11.293	11.292	0.001	14363660	0.4607	43.1- 83.1	63.2	M
1	5	11.560	11.560	0.000	11948702	0.4568	32.5- 72.5	52.5	M
			Average of Peak Amounts =			0.4632			
2	100	10.530	10.532	-0.002	8055636	0.4771		100.0	
2	2	11.117	11.117	0.000	10189844	0.4732	108.3- 148.3	126.5	
2	3	11.533	11.535	-0.002	12265920	0.4712	134.7- 174.7	152.3	
2	4	12.277	12.278	-0.001	14593260	0.4814	157.2- 197.2	181.2	
2	5	12.836	12.837	-0.001	5822614	0.4764	51.7- 91.7	72.3	
			Average of Peak Amounts =			0.4759			
						RPD = 2.69			

QC Flag Legend

Review Flags
M - Manually Integrated

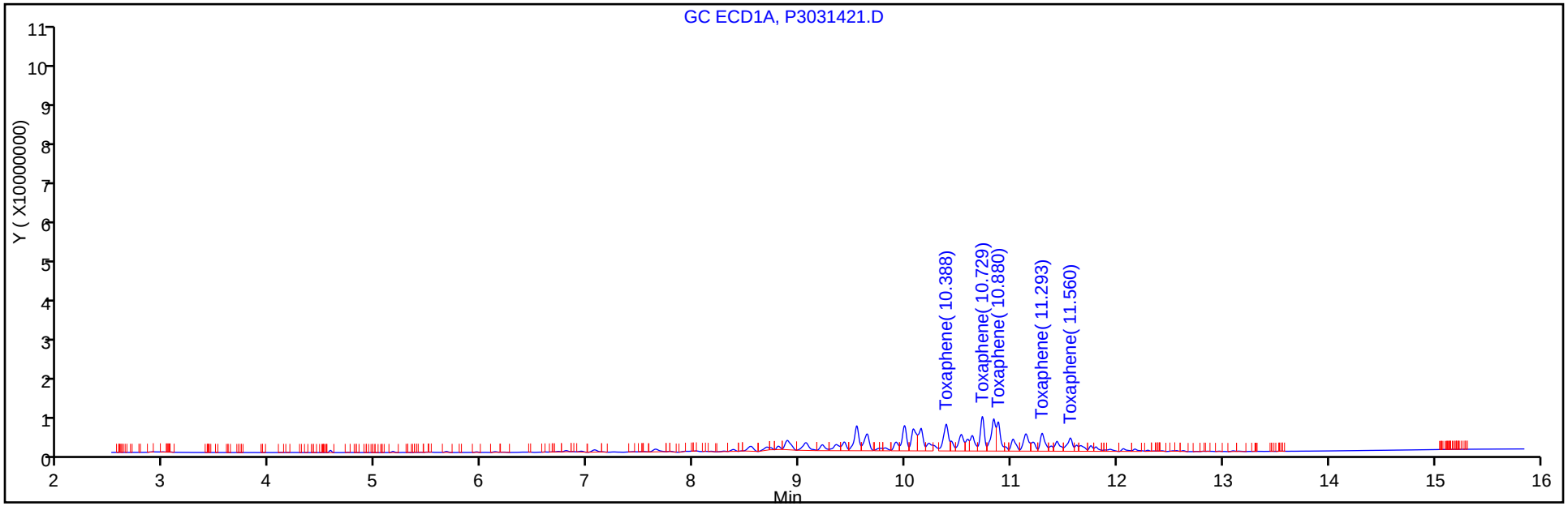
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

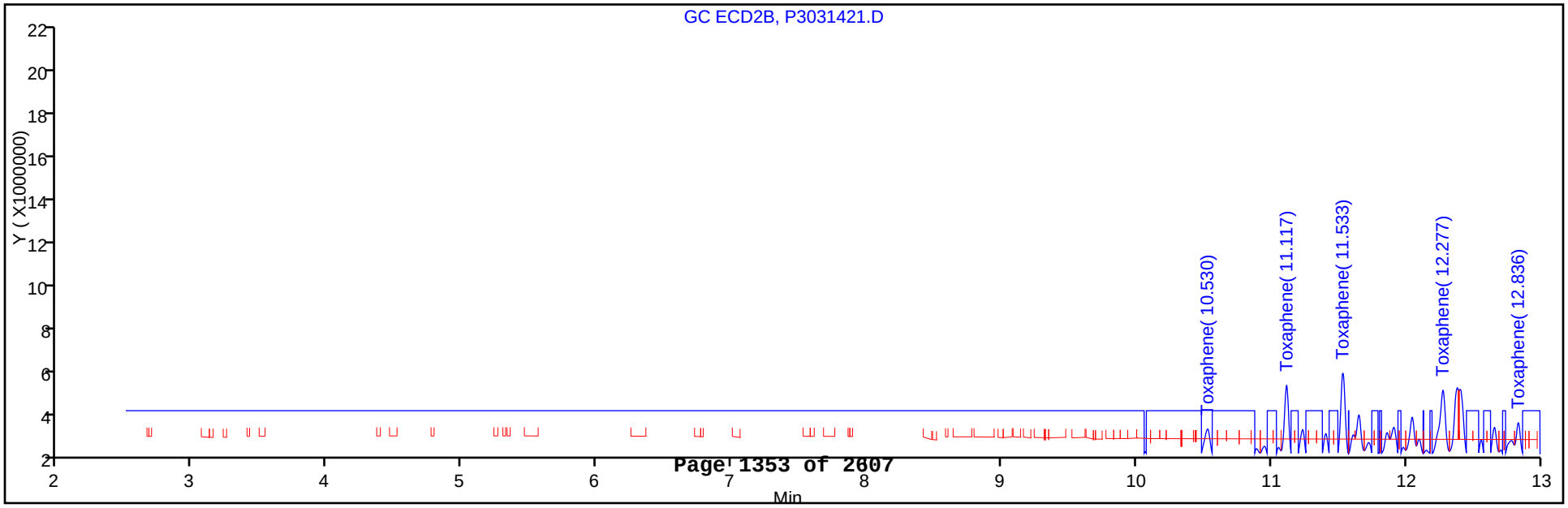
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



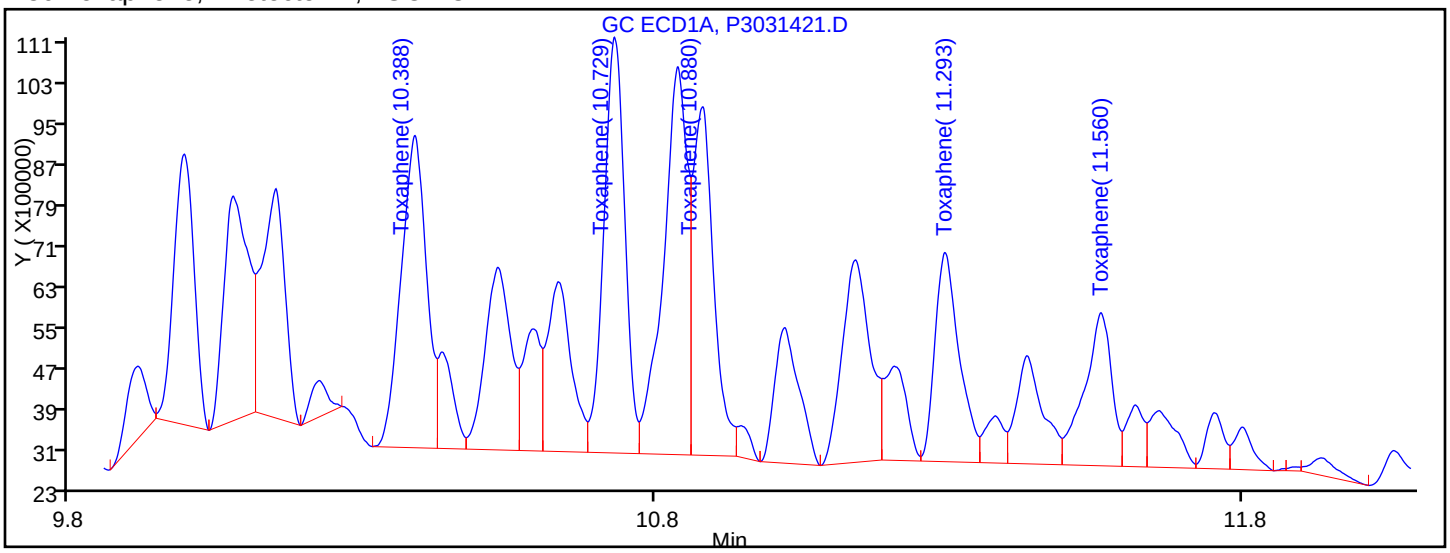
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

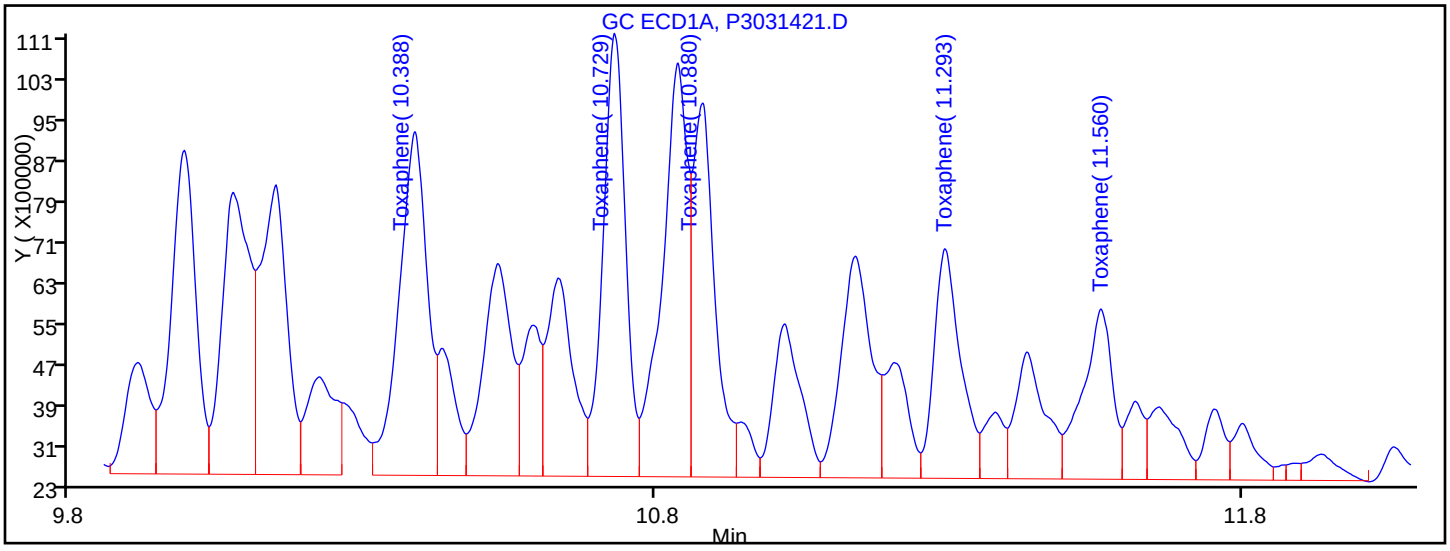
Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.388	Response = 18610725	M
RT = 10.729	Response = 20567473	M
RT = 10.880	Response = 16728794	M
RT = 11.293	Response = 11952490	M
RT = 11.560	Response = 9853335	M



Manual Integration Results

RT = 10.388	Response = 22738539	M
RT = 10.729	Response = 23407030	M
RT = 10.880	Response = 19030200	M
RT = 11.293	Response = 14363660	M
RT = 11.560	Response = 11948702	M

Reviewer: shockr, 15-Mar-2013 07:33:59

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 14-Mar-2013 17:20:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0017984-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 78295 Lims Sample ID: 22
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:46 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	49314516	1.01		100.0	M
1	2	10.729	10.729	0.000	49873719	1.00	81.1- 121.1	101.1	M
1	3	10.879	10.879	0.000	41893479	1.02	65.0- 105.0	85.0	M
1	4	11.292	11.292	0.000	31123539	1.00	43.1- 83.1	63.1	M
1	5	11.560	11.560	0.000	25877371	0.9893	32.5- 72.5	52.5	M
			Average of Peak Amounts =			1.00			
2	100	10.532	10.532	0.000	16682993	0.9881		100.0	M
2	2	11.117	11.117	0.000	21412233	0.99	108.3- 148.3	128.3	M
2	3	11.535	11.535	0.000	25814822	0.99	134.7- 174.7	154.7	M
2	4	12.278	12.278	0.000	29558438	0.9750	157.2- 197.2	177.2	M
2	5	12.837	12.837	0.000	11963681	0.9788	51.7- 91.7	71.7	M
			Average of Peak Amounts =			0.9856			
						RPD = 1.81			

QC Flag Legend

Review Flags
M - Manually Integrated

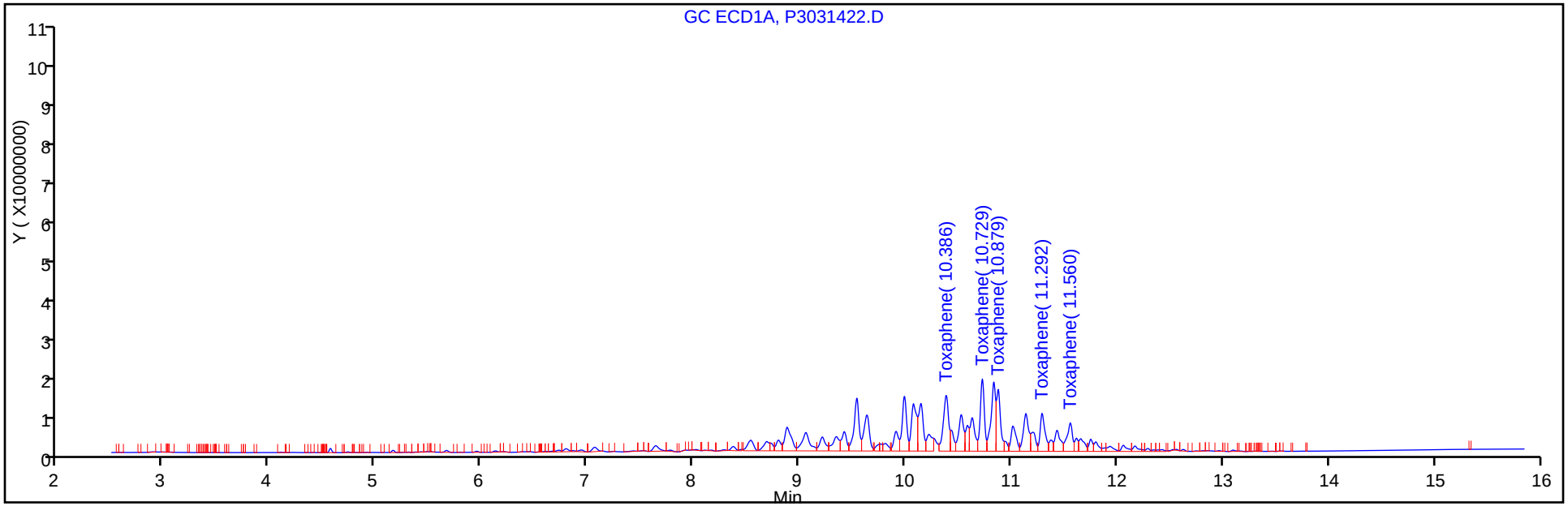
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

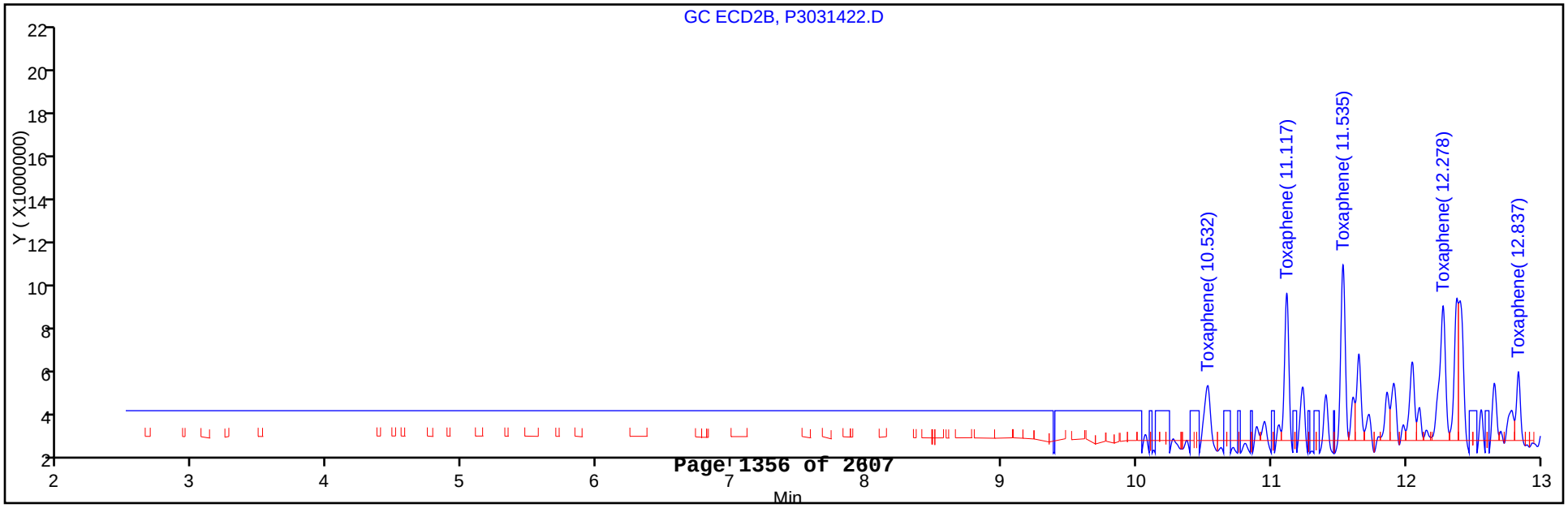
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



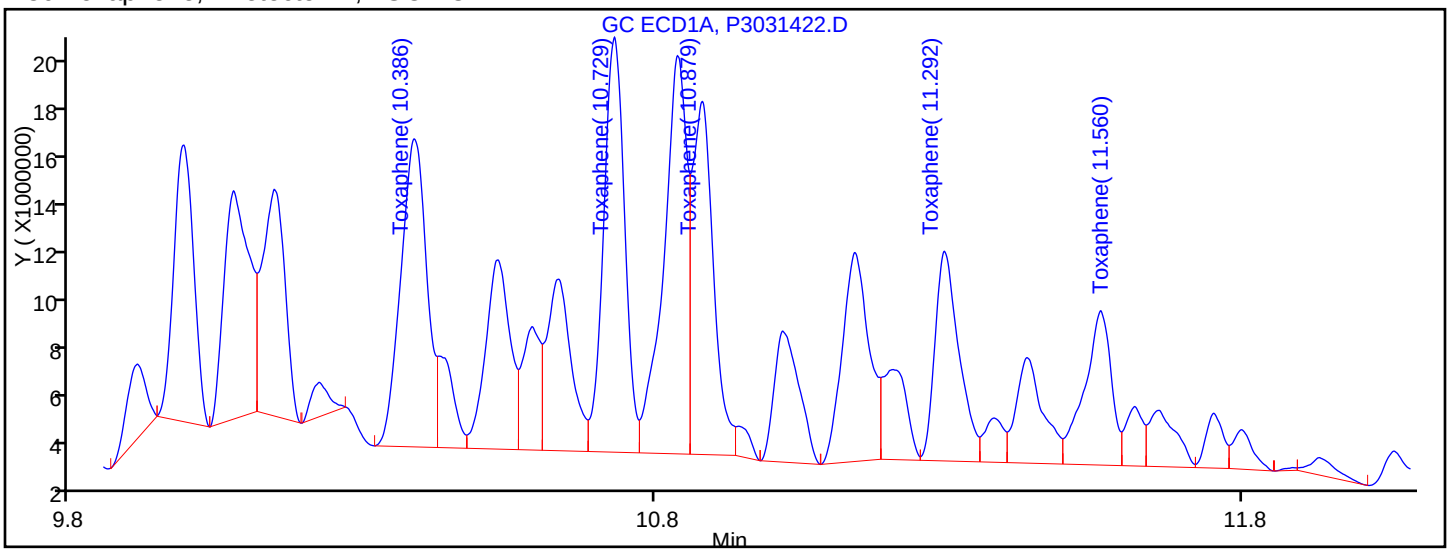
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

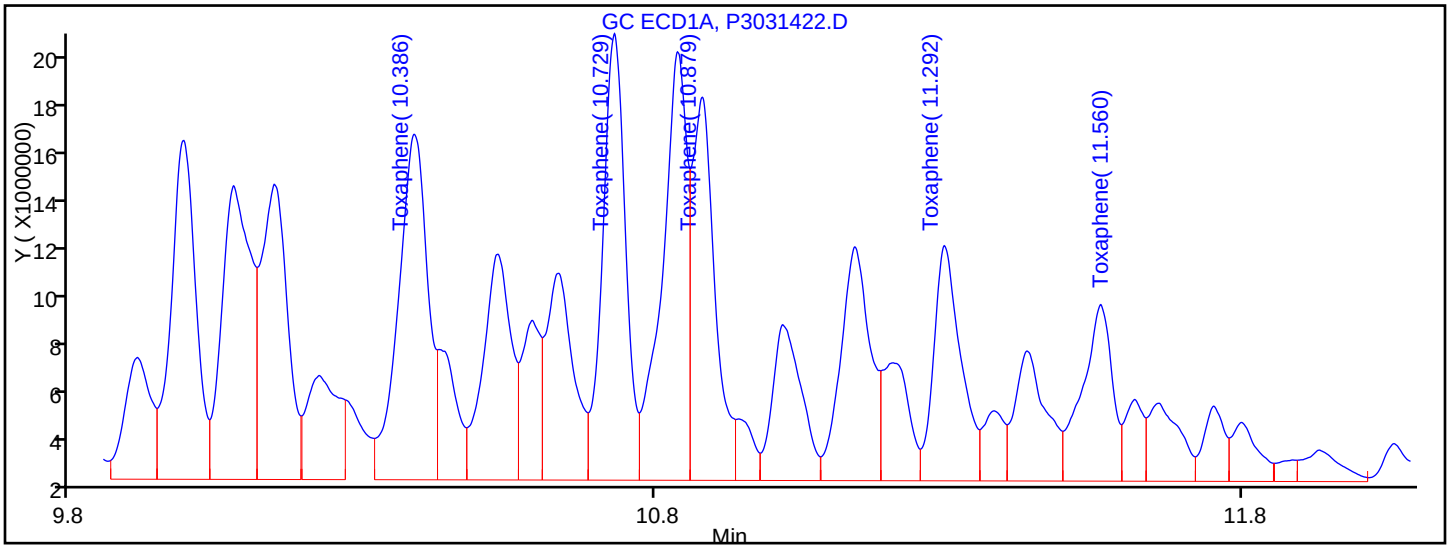
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.386	Response = 38637322	M
RT = 10.729	Response = 42263636	M
RT = 10.879	Response = 35609227	M
RT = 11.292	Response = 24313624	M
RT = 11.560	Response = 19975418	M



Manual Integration Results

RT = 10.386	Response = 49314516	M
RT = 10.729	Response = 49873719	M
RT = 10.879	Response = 41893479	M
RT = 11.292	Response = 31123539	M
RT = 11.560	Response = 25877371	M

Reviewer: shockr, 15-Mar-2013 07:28:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 14-Mar-2013 17:40:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0017984-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 78295 Lims Sample ID: 23
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:47 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:34:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	1	10.389	10.386	0.003	101593105	2.08		100.0	
1	2	10.730	10.729	0.001	100812821	2.02	81.1- 121.1	99.2	
1	3	10.878	10.879	-0.001	83595765	2.04	65.0- 105.0	82.3	
1	4	11.293	11.292	0.001	63727669	2.04	43.1- 83.1	62.7	
1	5	11.560	11.560	0.000	53731158	2.05	32.5- 72.5	52.9	
			Average of Peak Amounts =			2.05			
2	100	10.531	10.532	-0.001	31704777	1.88		100.0	
2	2	11.116	11.117	-0.001	42103609	1.96	108.3- 148.3	132.8	
2	3	11.534	11.535	-0.001	51048064	1.96	134.7- 174.7	161.0	
2	4	12.277	12.278	-0.001	58482091	1.93	157.2- 197.2	184.5	A
2	5	12.835	12.837	-0.002	23411889	1.92	51.7- 91.7	73.8	A
			Average of Peak Amounts =			1.93			
						RPD = 6.01			

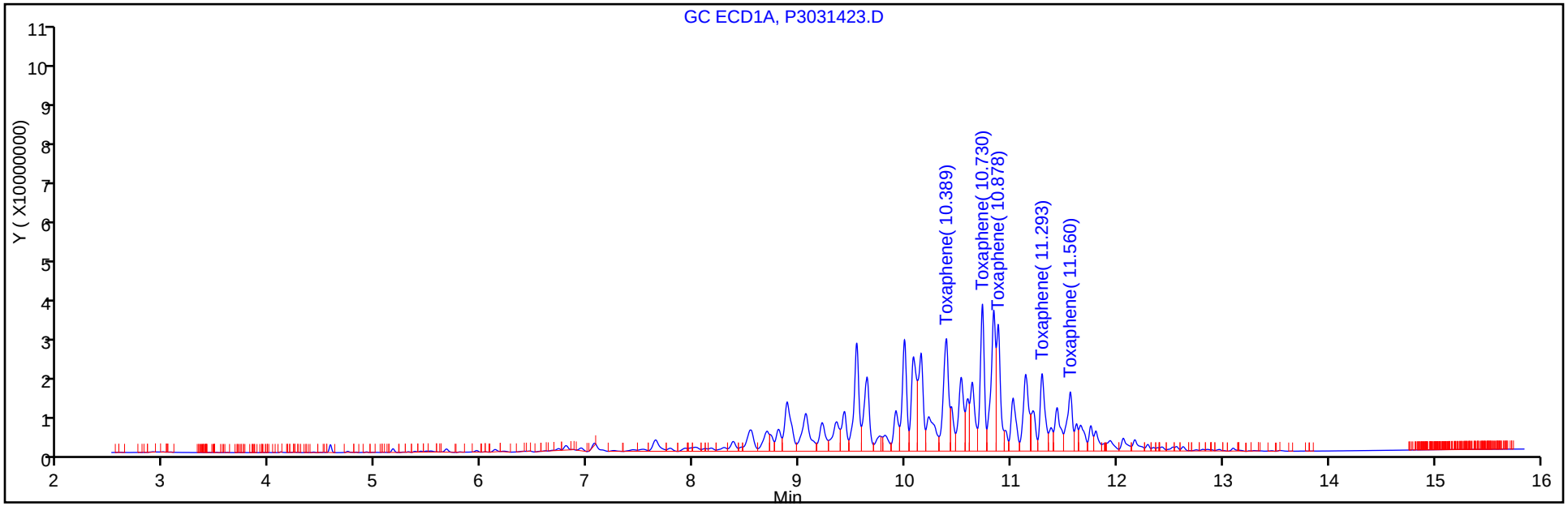
Report Date: 15-Mar-2013 07:54:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

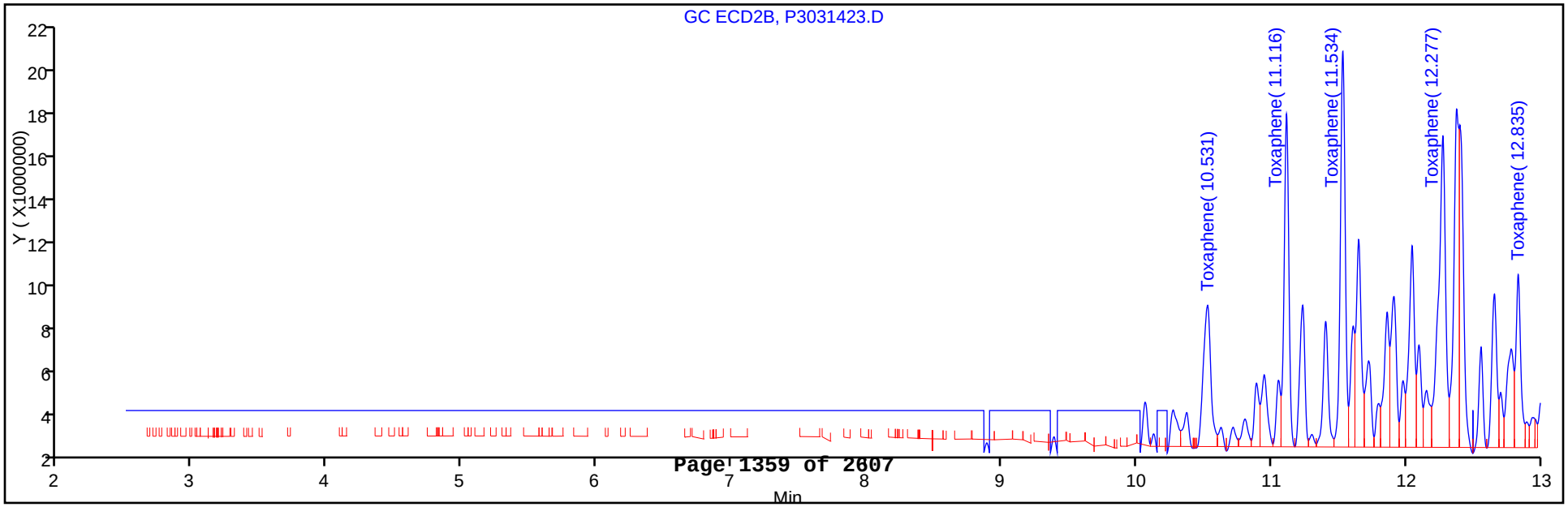
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

Injection Date:	14-Mar-2013 17:40:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 14-Mar-2013 18:00:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-024
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 78295 Lims Sample ID: 24
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	263734805	5.39		100.0	M
1	2	10.728	10.729	-0.001	268763022	5.40	81.1- 121.1	101.9	M
1	3	10.878	10.879	-0.001	222109554	5.42	65.0- 105.0	84.2	M
1	4	11.293	11.292	0.001	174780978	5.61	43.1- 83.1	66.3	M
1	5	11.560	11.560	0.000	152313906	5.82	32.5- 72.5	57.8	M
			Average of Peak Amounts =			5.53			
2	100	10.530	10.532	-0.002	96812641	5.73		100.0	M
2	2	11.117	11.117	0.000	121391530	5.64	108.3- 148.3	125.4	M
2	3	11.533	11.535	-0.002	147899283	5.68	134.7- 174.7	152.8	M
2	4	12.277	12.278	-0.001	171218541	5.65	157.2- 197.2	176.9	M
2	5	12.837	12.837	0.000	68962047	5.64	51.7- 91.7	71.2	M
			Average of Peak Amounts =			5.67			
						RPD = 2.55			

QC Flag Legend

Review Flags
M - Manually Integrated

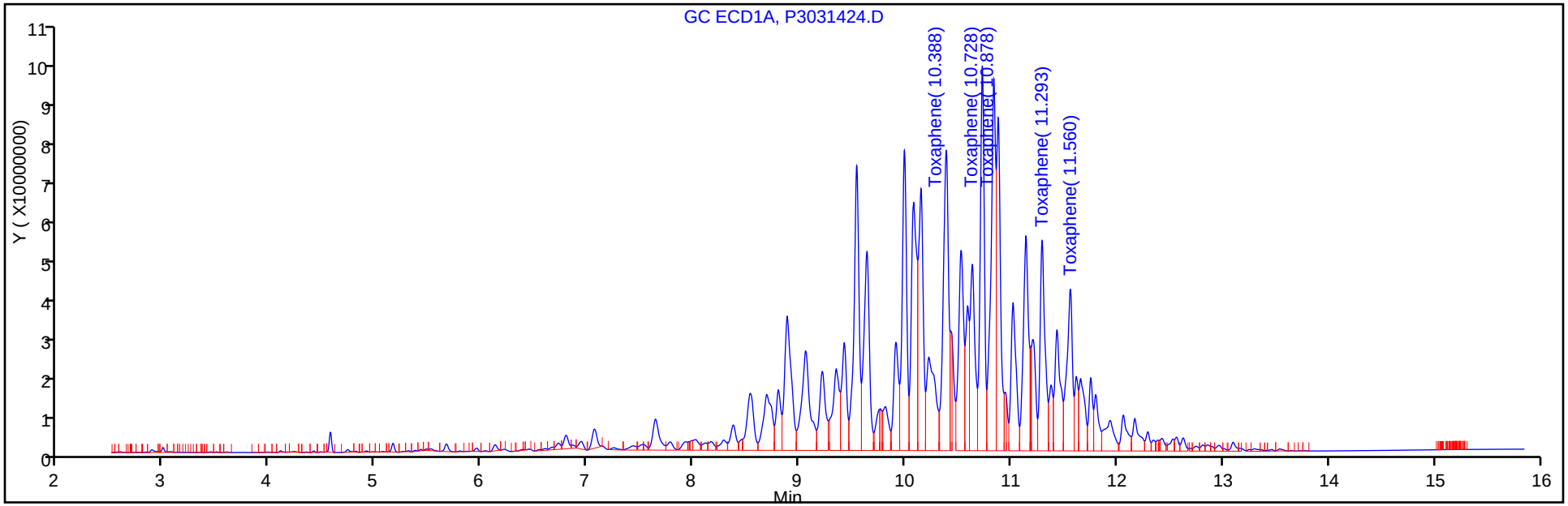
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

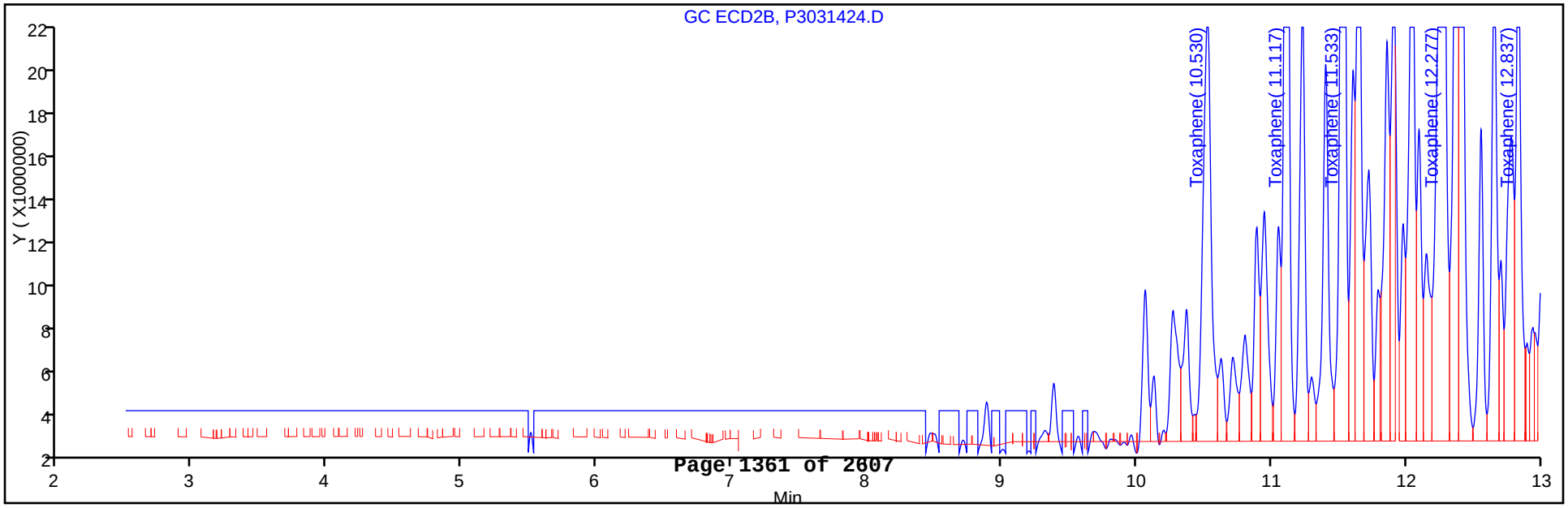
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



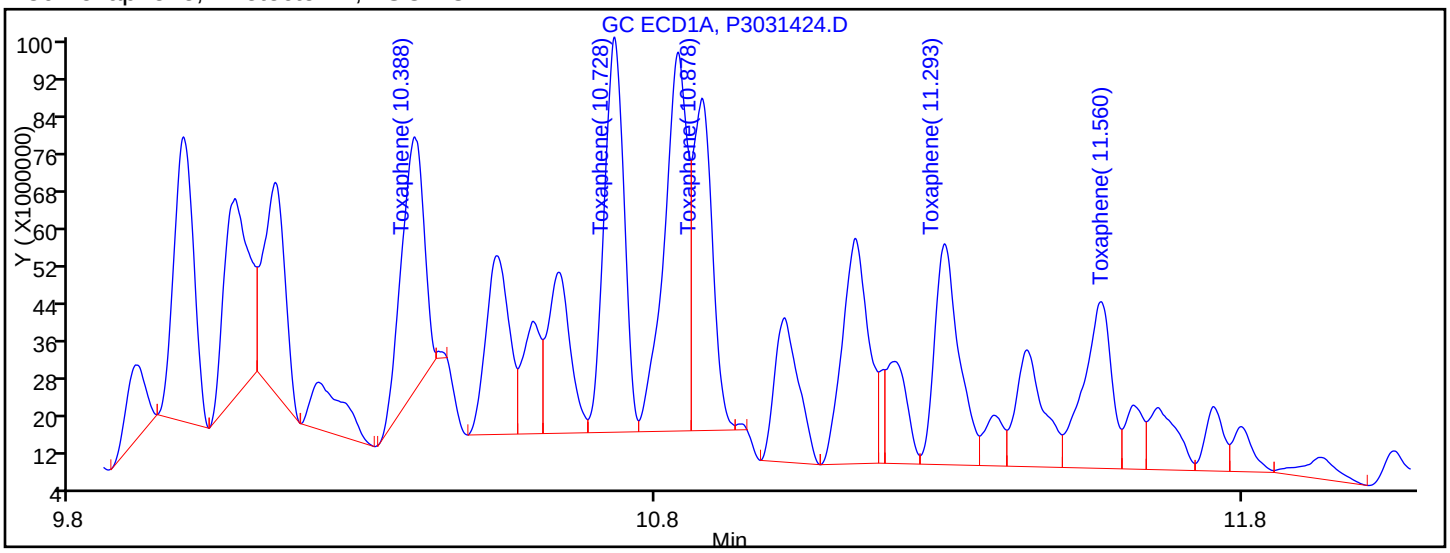
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

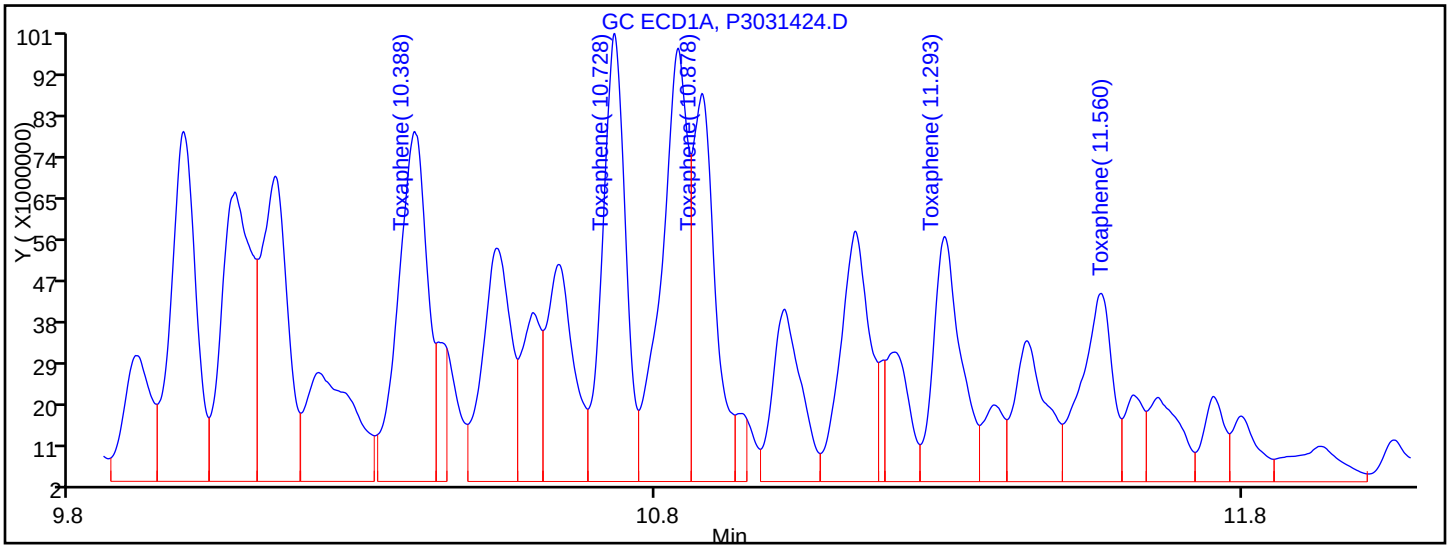
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.388	Response = 147514841	M
RT = 10.728	Response = 201031410	M
RT = 10.878	Response = 161632618	M
RT = 11.293	Response = 137646578	M
RT = 11.560	Response = 119465882	M



Manual Integration Results

RT = 10.388	Response = 263734805	M
RT = 10.728	Response = 268763022	M
RT = 10.878	Response = 222109554	M
RT = 11.293	Response = 174780978	M
RT = 11.560	Response = 152313906	M

Reviewer: shockr, 15-Mar-2013 07:28:30

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 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.: 240-22488-1 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.: 240-22488-1 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

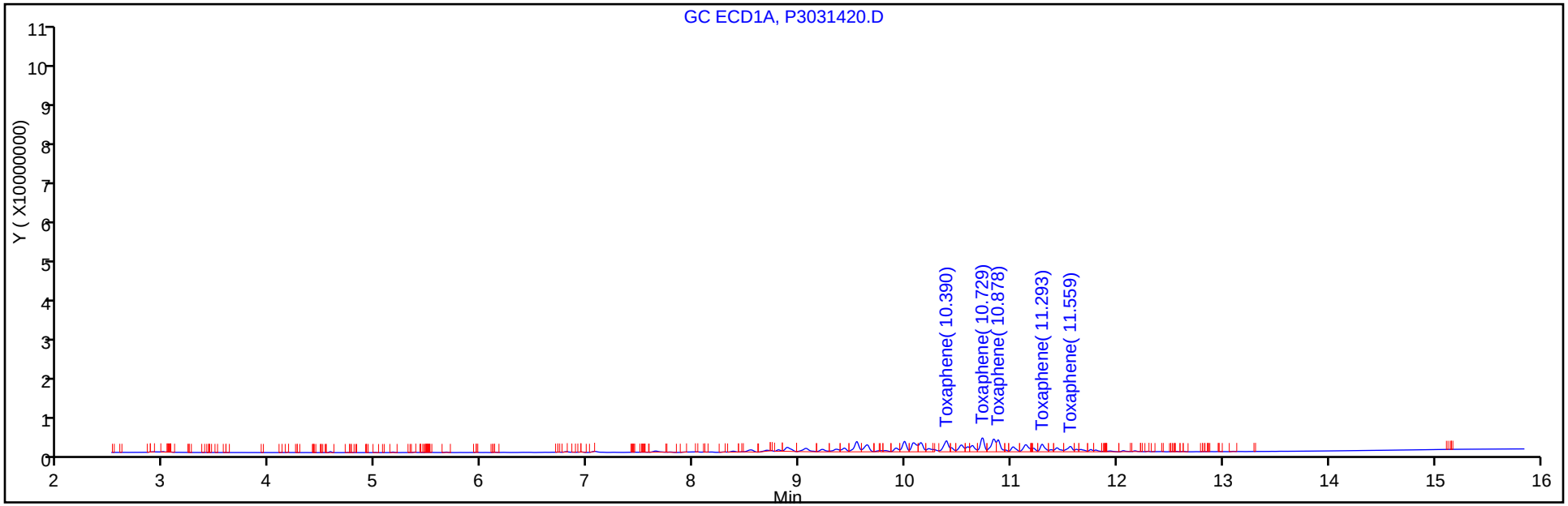
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

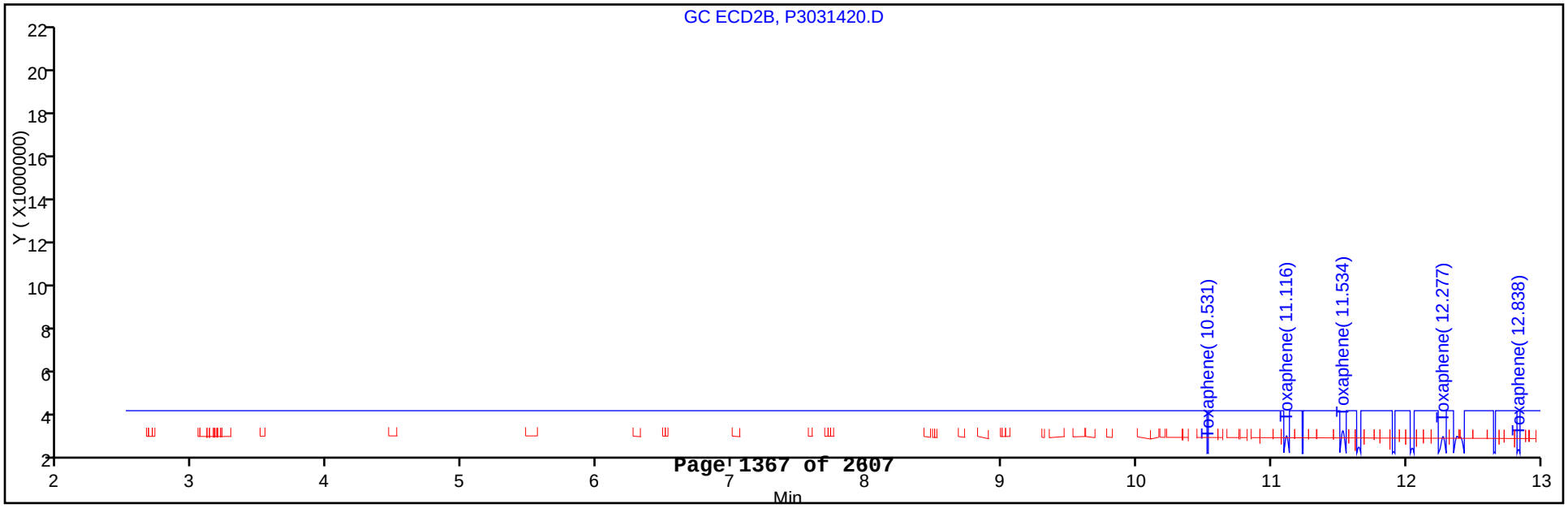
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

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



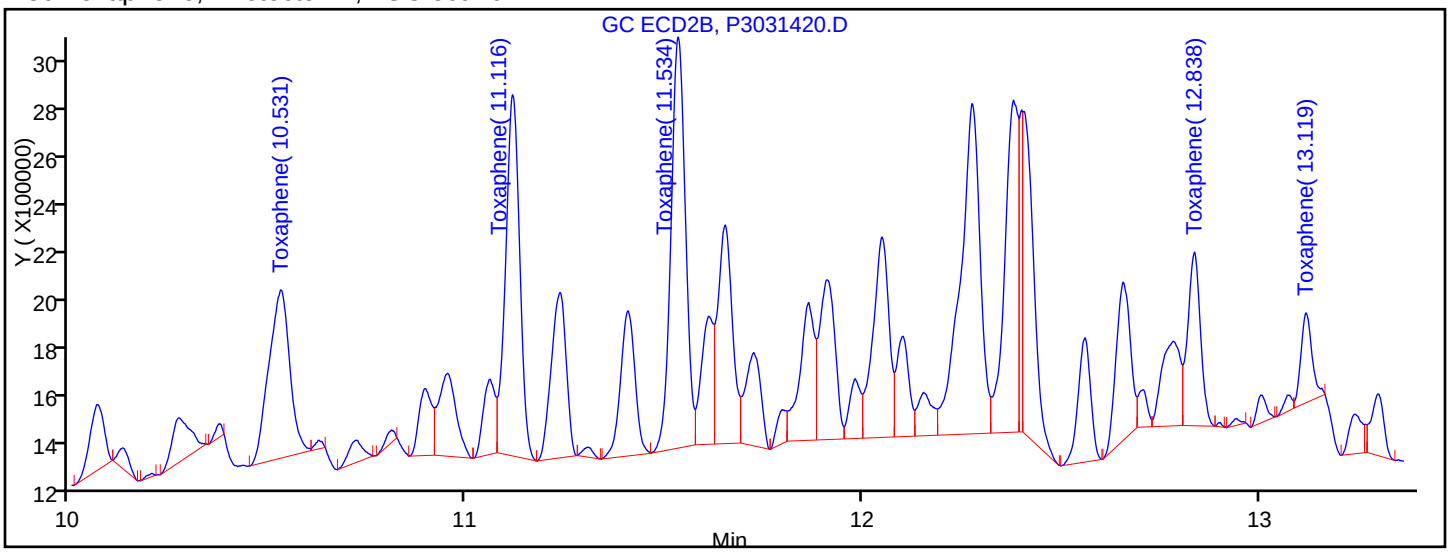
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

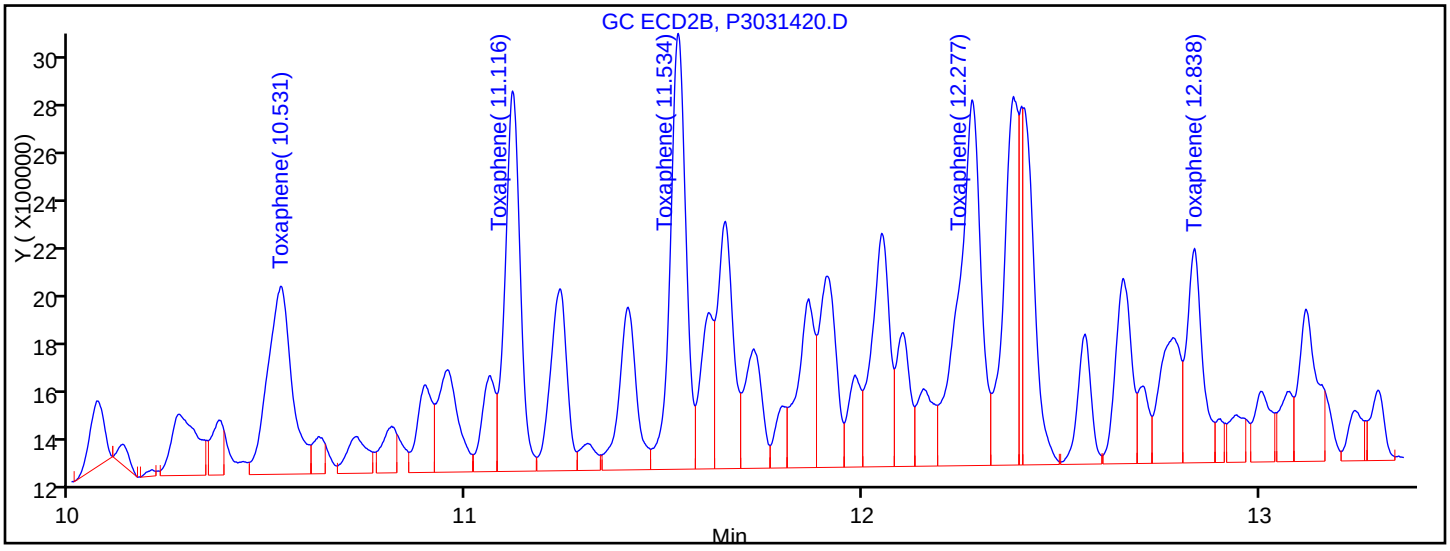
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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

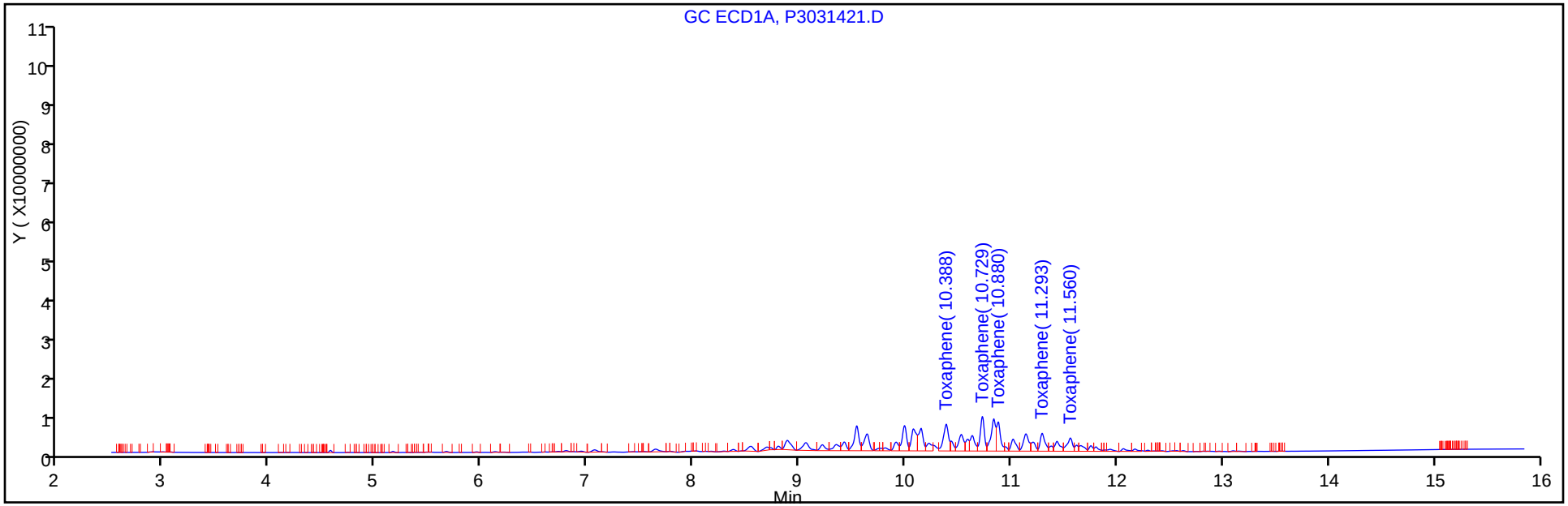
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

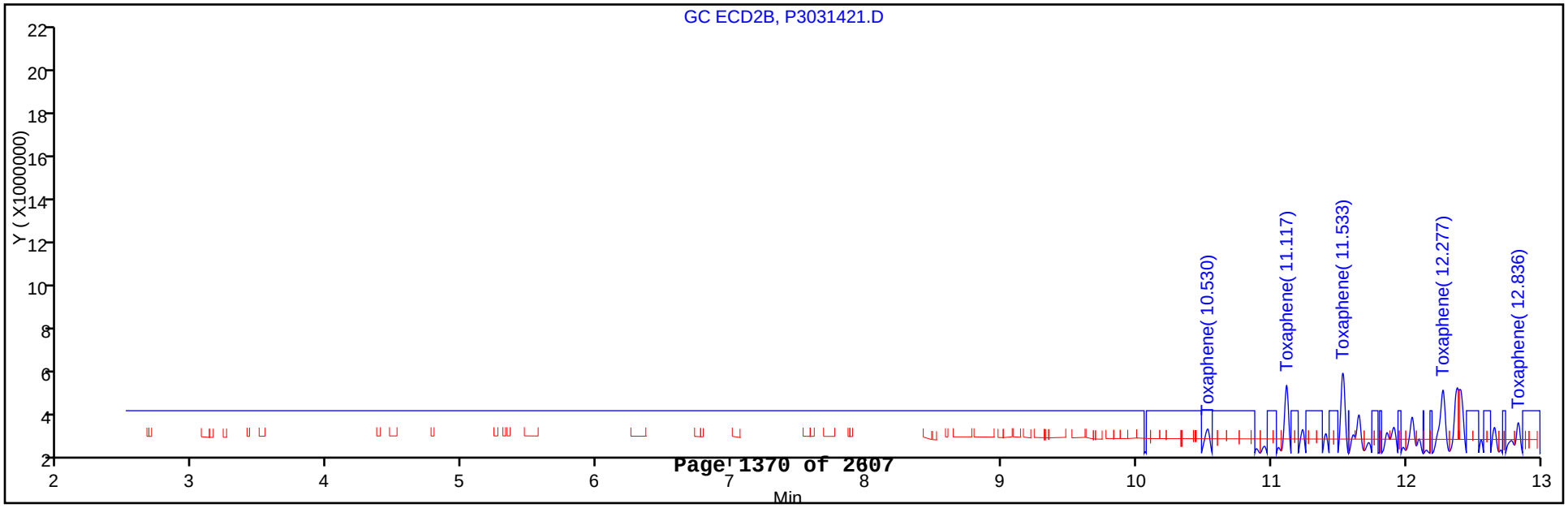
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

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

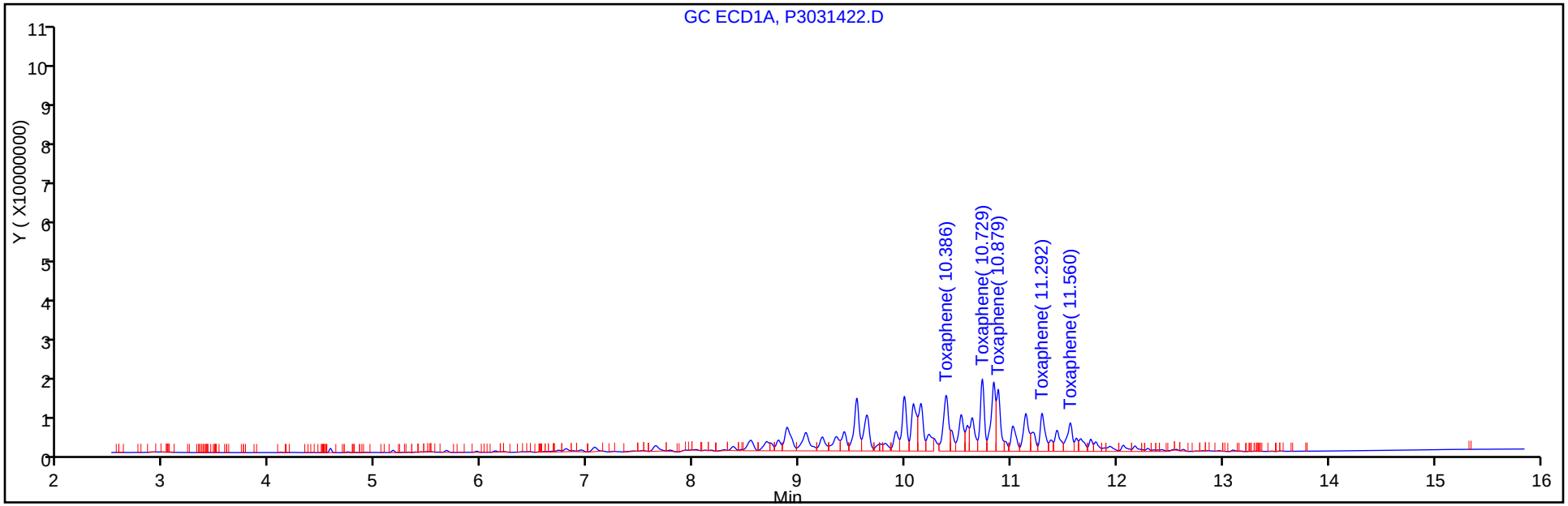
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

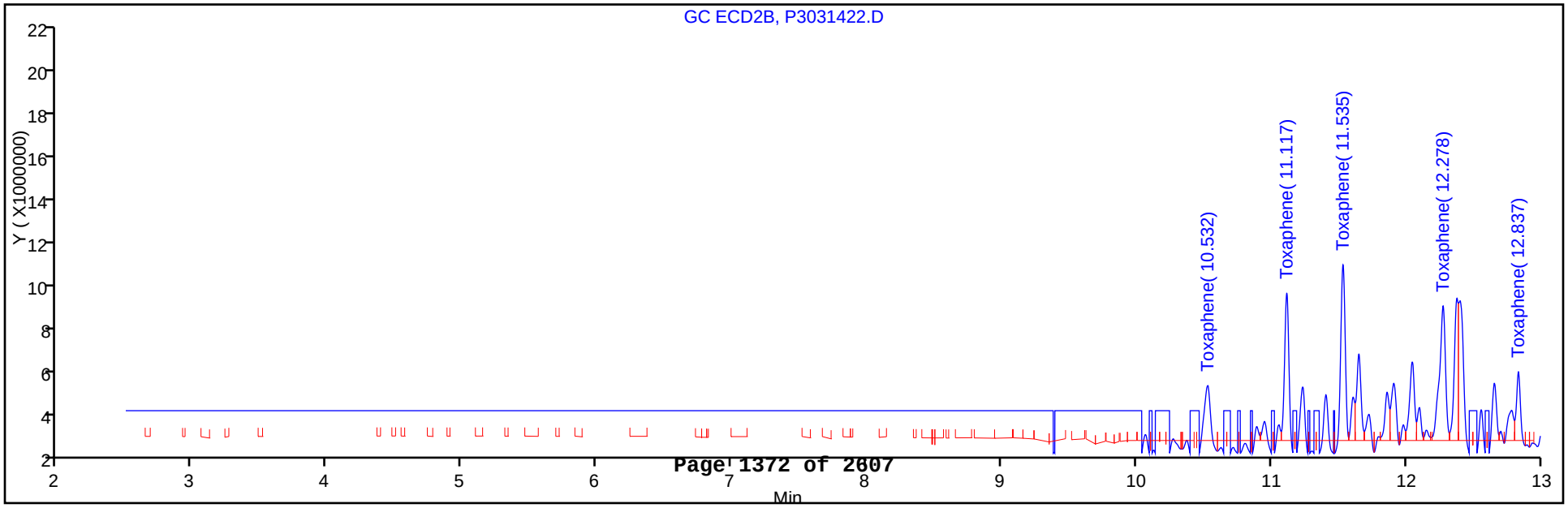
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

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



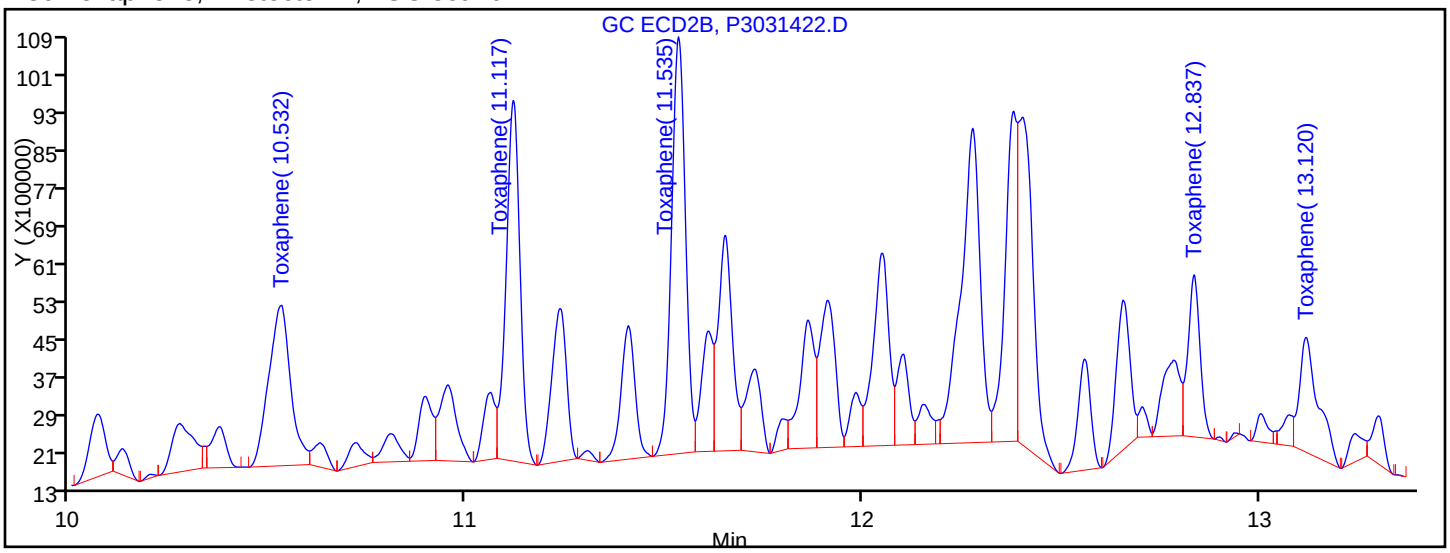
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

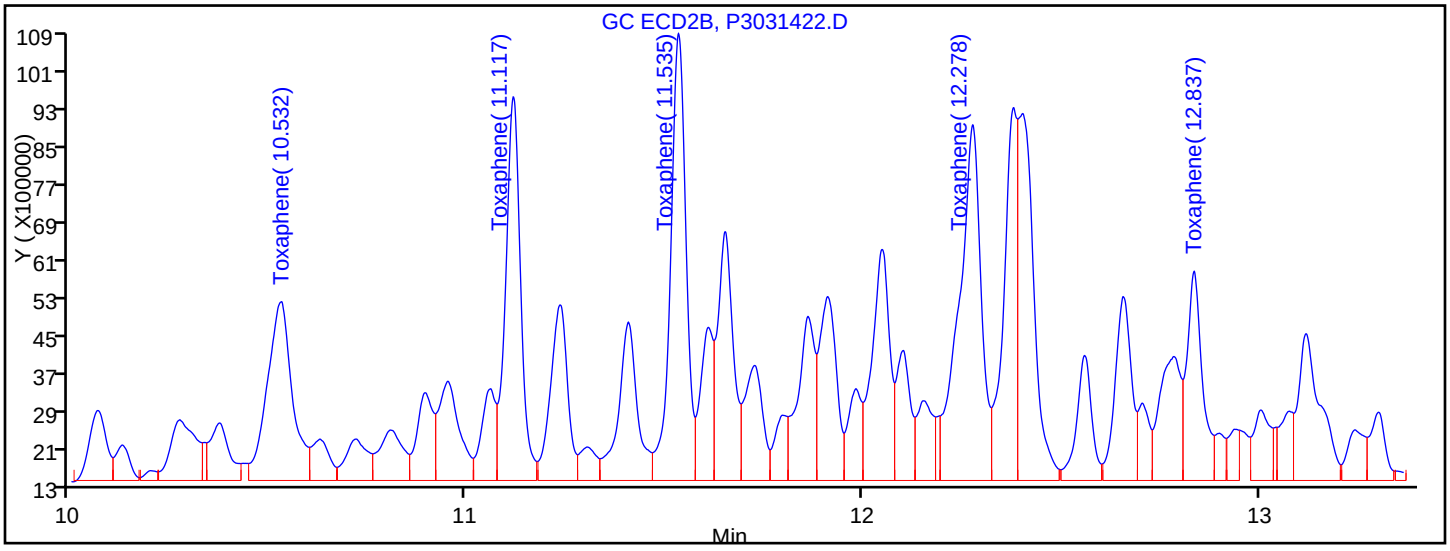
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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			

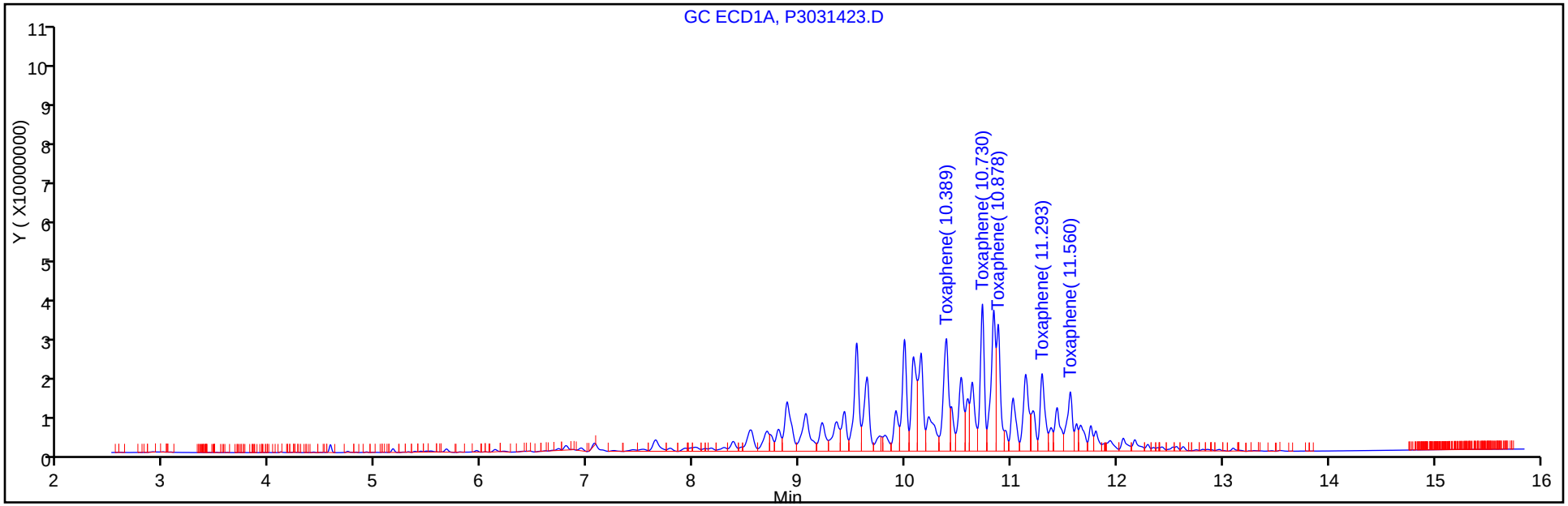
Report Date: 15-Mar-2013 07:54:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

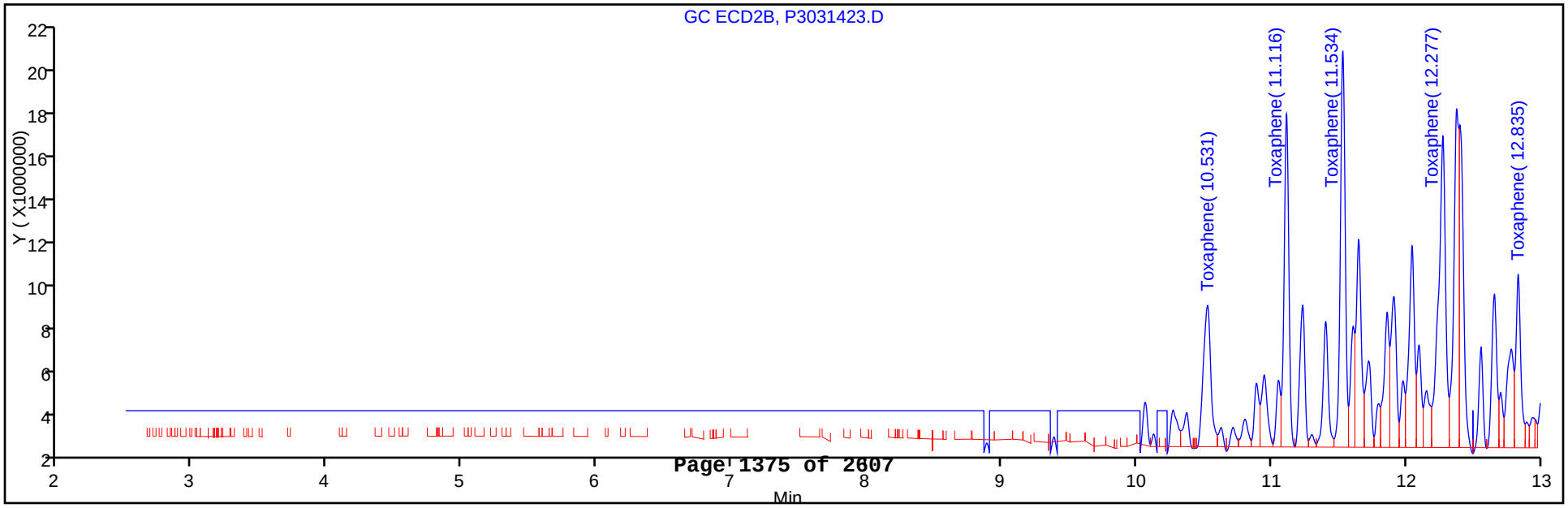
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

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

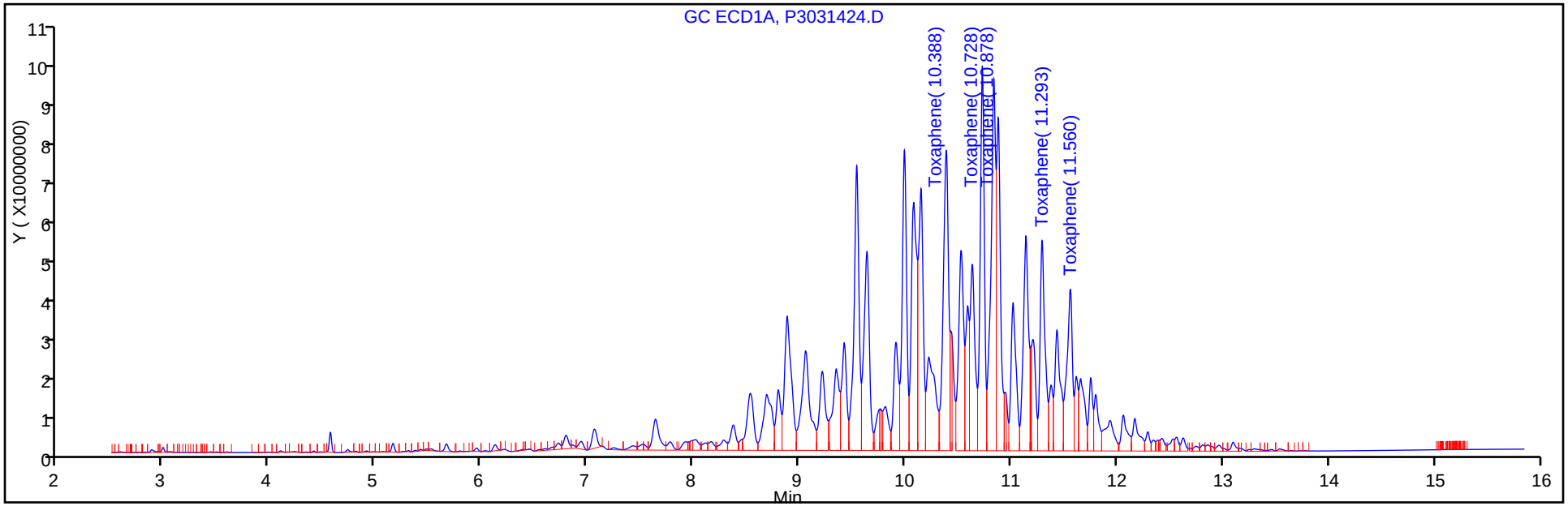
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

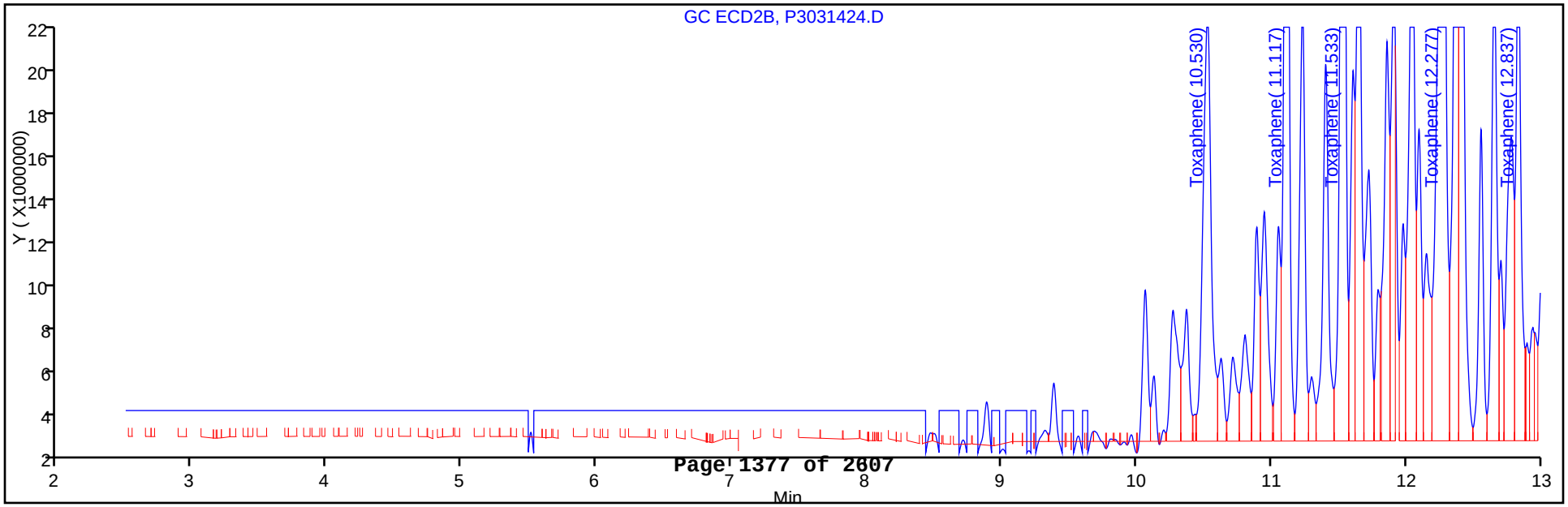
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Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



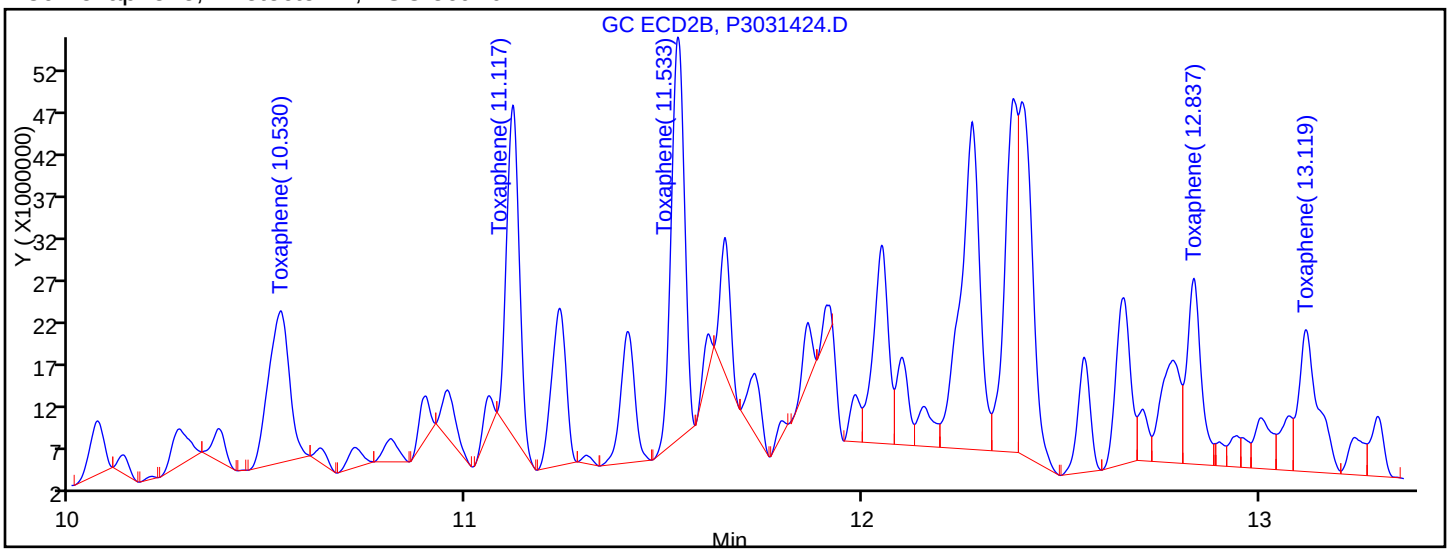
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TestAmerica Canton

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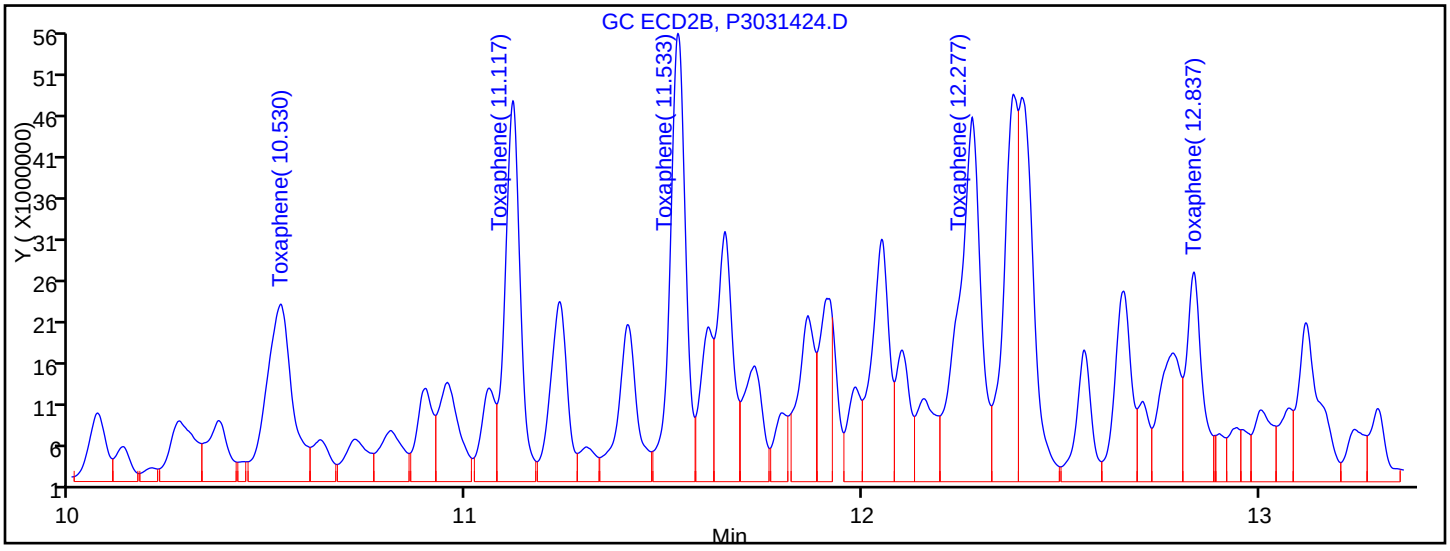
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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 VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

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			

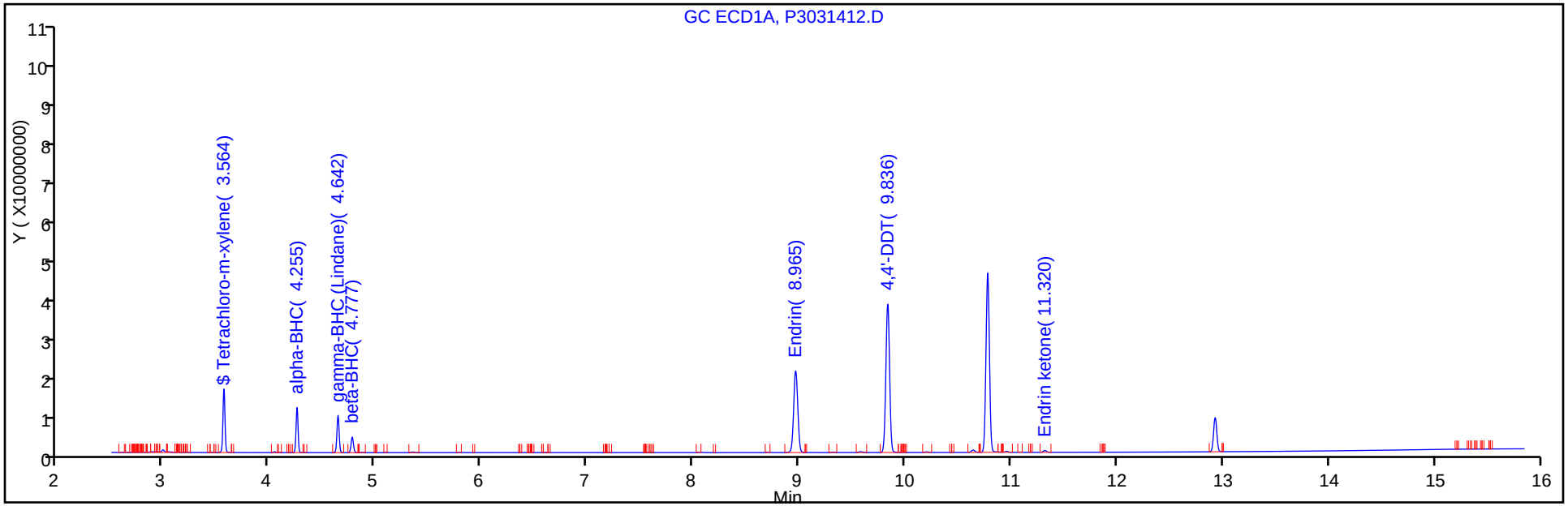
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

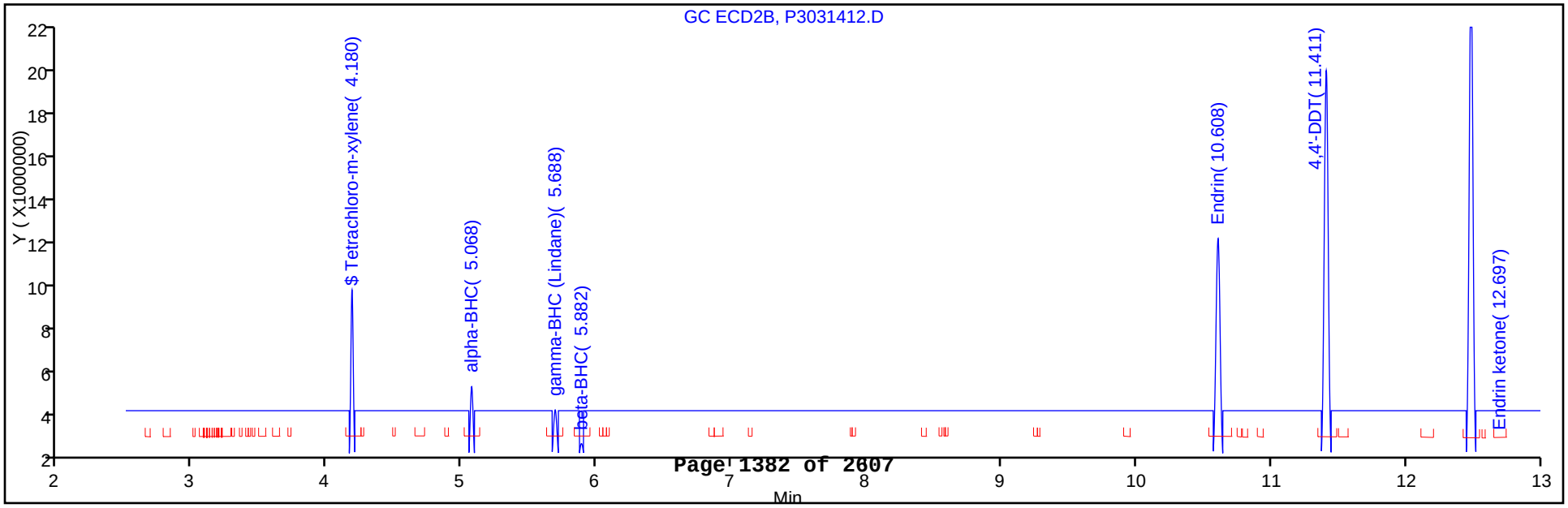
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D

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.: 240-22488-1

SDG No.:

Lab Sample ID: PEM 240-78295/12 Calibration Date: 03/14/2013 14:00

Instrument ID: A2HP3 Calib Start Date: 03/01/2013 00:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/01/2013 02:07

Lab File ID: P3031412.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.61	25259263	2.39	15	
Endrin aldehyde		0			
Endrin ketone	12.70	617496			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.41	40650196	0.00	15	
4,4'-DDD		0			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D
Lims ID: PEM Client ID:
Inject. Date: 14-Mar-2013 14:00:24 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0017984-012
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 78295 Lims Sample ID: 12
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:27 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 14-Mar-2013 14:22:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	21967445	0.0200			
2	100	4.180	4.180	0.000	11767453	0.0195			
						RPD = 2.45			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15260595	0.009399			
2	100	5.068	5.068	0.000	6844149	0.008889			
						RPD = 5.57			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13870570	0.009532			
2	100	5.688	5.688	0.000	6203521	0.009162			
						RPD = 3.95			
7 beta-BHC									
1	100	4.777	4.777	0.000	6306730	0.0102			
2	100	5.882	5.883	-0.001	3002265	0.0102			
						RPD = 0.43			
2 4,4'-DDE									
1	100		8.060						
2	100		9.940						
17 Endrin									
1	100	8.965	8.966	-0.001	56639798	0.0476			
2	100	10.608	10.608	0.000	25259263	0.0471			
						RPD = 1.03			
1 4,4'-DDD									
1	100		9.318						
2	100		10.930						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.836	9.835	0.001	93451758	0.1013			
2	100	11.411	11.410	0.001	40650196	0.1028			
						RPD = 1.41			
18 Endrin aldehyde									
1	100		10.201						
2	100		11.532						
27 Methoxychlor									
1	100		10.780						
2	100		12.487						
19 Endrin ketone									
1	100	11.320	11.322	-0.002	1003682	0.000877			
2	100	12.697	12.699	-0.002	617496	0.001231			
						RPD = 33.62			

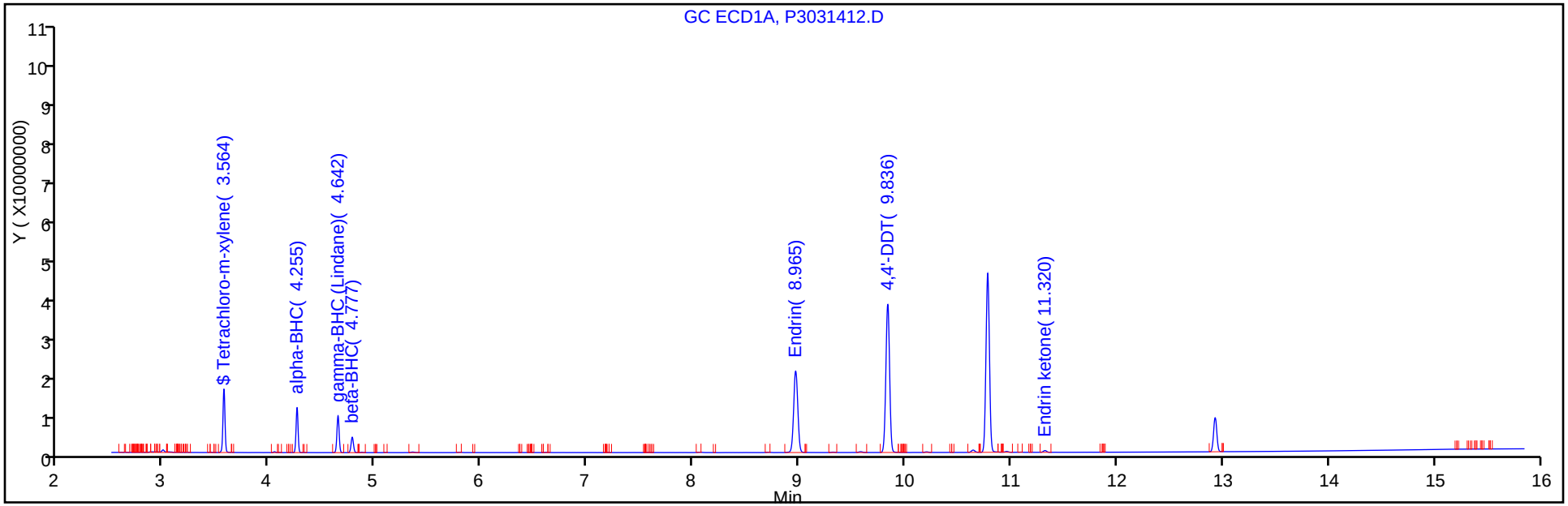
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

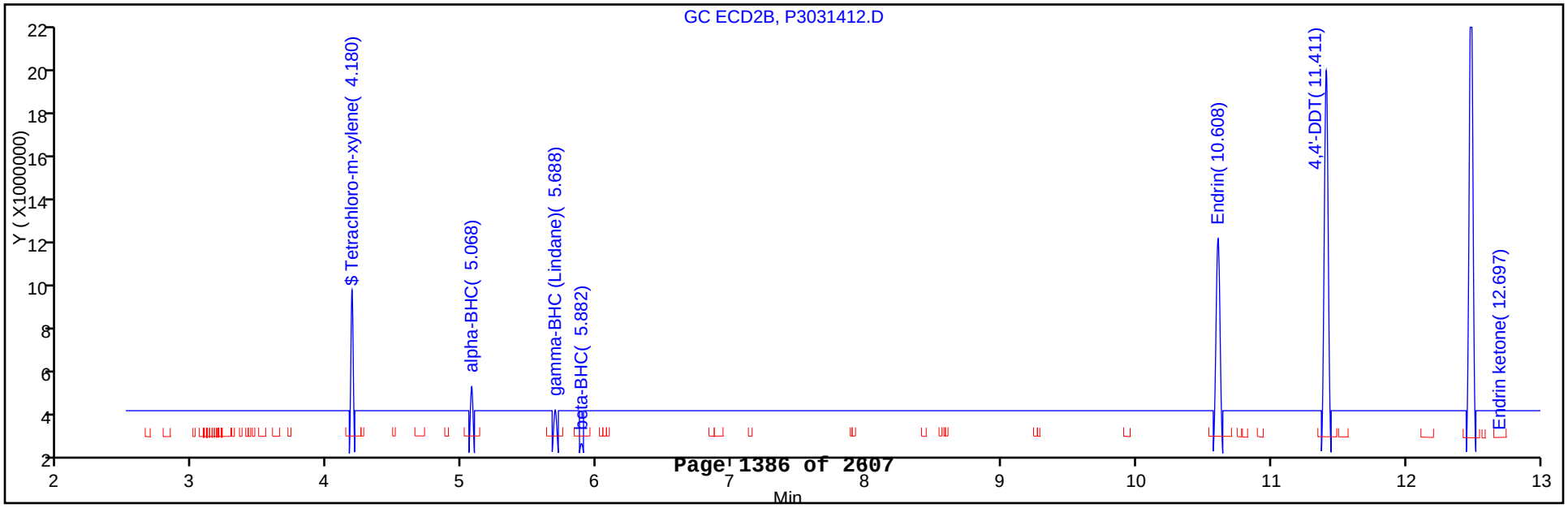
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Injection Date:	14-Mar-2013 14:00:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: PEM 240-81016/4 Calibration Date: 04/08/2013 13:52

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: P3040804.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.94	59949278	3.86	15	
Endrin aldehyde	10.19	820758			
Endrin ketone	11.30	1586623			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.82	87774877	10.69	15	
4,4'-DDD	9.30	8553685			
4,4'-DDE	8.03	1948757			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040804.D
Lims ID: PEM Client ID:
Inject. Date: 08-Apr-2013 13:52:55 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0018656-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 81016 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 11-Apr-2013 15:20:16 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: vandorenc Date: 11-Apr-2013 15:20:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.555	3.560	-0.005	20703761	0.0188			
2	100	4.184	4.184	0.000	10885738	0.0180			
						RPD = 4.31			
5 alpha-BHC									
1	100	4.245	4.250	-0.005	15543185	0.009573			
2	100	5.071	5.072	-0.001	7511718	0.009756			
						RPD = 1.90			
20 gamma-BHC (Lindane)									
1	100	4.630	4.637	-0.007	13987340	0.009612			
2	100	5.689	5.690	-0.001	6775512	0.0100			
						RPD = 4.03			
7 beta-BHC									
1	100	4.765	4.772	-0.007	6513322	0.0105			
2	100	5.885	5.887	-0.002	3357468	0.0114			
						RPD = 7.52			
2 4,4'-DDE									
1	100	8.031	8.044	-0.013	1948757	0.001539			
2	100	9.940	9.940	0.000	871178	0.001429			
						RPD = 7.43			
17 Endrin									
1	100	8.943	8.953	-0.010	59949278	0.0504			
2	100	10.606	10.607	-0.001	28513115	0.0532			
						RPD = 5.41			
1 4,4'-DDD									
1	100	9.296	9.307	-0.011	8553685	0.008815			
2	100	10.928	10.929	-0.001	3946651	0.009231			
						RPD = 4.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.815	9.824	-0.009	87774877	0.0952			
2	100	11.407	11.409	-0.002	36623442	0.0926			
						RPD = 2.76			
18 Endrin aldehyde									
1	100	10.193	10.189	0.004	820758	0.000932			7
2	100	11.530	11.530	0.000	148939	0.000377			7
						RPD = 84.79			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.769						
2	100		12.478						
19 Endrin ketone									
1	100	11.303	11.309	-0.006	1586623	0.001386			
2	100	12.690	12.691	-0.001	864180	0.001723			
						RPD = 21.67			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

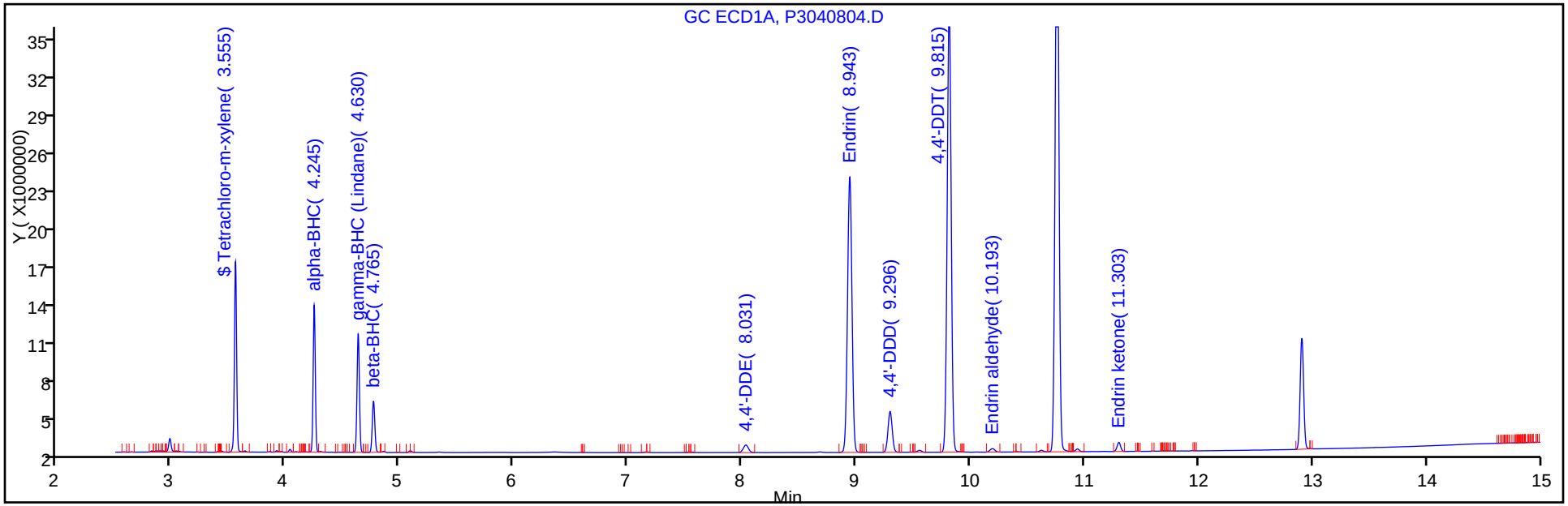
Report Date: 11-Apr-2013 15:20:17 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

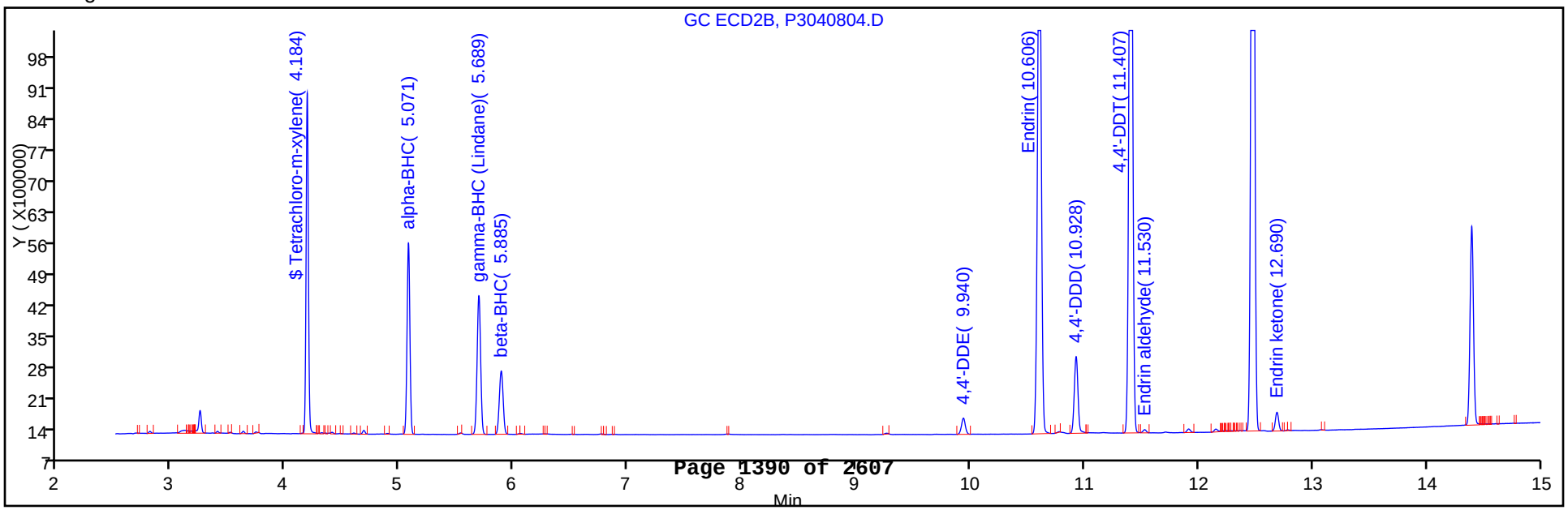
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Injection Date:	08-Apr-2013 13:52:55	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

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.: 240-22488-1

SDG No.:

Lab Sample ID: PEM 240-81016/4 Calibration Date: 04/08/2013 13:52

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: P3040804.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.61	28513115	3.43	15	
Endrin aldehyde	11.53	148939			
Endrin ketone	12.69	864180			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.41	36623442	11.63	15	
4,4'-DDD	10.93	3946651			
4,4'-DDE	9.94	871178			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040804.D
Lims ID: PEM Client ID:
Inject. Date: 08-Apr-2013 13:52:55 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0018656-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 81016 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 11-Apr-2013 15:20:16 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: vandorenc Date: 11-Apr-2013 15:20:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.555	3.560	-0.005	20703761	0.0188			
2	100	4.184	4.184	0.000	10885738	0.0180			
						RPD = 4.31			
5 alpha-BHC									
1	100	4.245	4.250	-0.005	15543185	0.009573			
2	100	5.071	5.072	-0.001	7511718	0.009756			
						RPD = 1.90			
20 gamma-BHC (Lindane)									
1	100	4.630	4.637	-0.007	13987340	0.009612			
2	100	5.689	5.690	-0.001	6775512	0.0100			
						RPD = 4.03			
7 beta-BHC									
1	100	4.765	4.772	-0.007	6513322	0.0105			
2	100	5.885	5.887	-0.002	3357468	0.0114			
						RPD = 7.52			
2 4,4'-DDE									
1	100	8.031	8.044	-0.013	1948757	0.001539			
2	100	9.940	9.940	0.000	871178	0.001429			
						RPD = 7.43			
17 Endrin									
1	100	8.943	8.953	-0.010	59949278	0.0504			
2	100	10.606	10.607	-0.001	28513115	0.0532			
						RPD = 5.41			
1 4,4'-DDD									
1	100	9.296	9.307	-0.011	8553685	0.008815			
2	100	10.928	10.929	-0.001	3946651	0.009231			
						RPD = 4.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.815	9.824	-0.009	87774877	0.0952			
2	100	11.407	11.409	-0.002	36623442	0.0926			
						RPD = 2.76			
18 Endrin aldehyde									
1	100	10.193	10.189	0.004	820758	0.000932			7
2	100	11.530	11.530	0.000	148939	0.000377			7
						RPD = 84.79			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.769						
2	100		12.478						
19 Endrin ketone									
1	100	11.303	11.309	-0.006	1586623	0.001386			
2	100	12.690	12.691	-0.001	864180	0.001723			
						RPD = 21.67			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

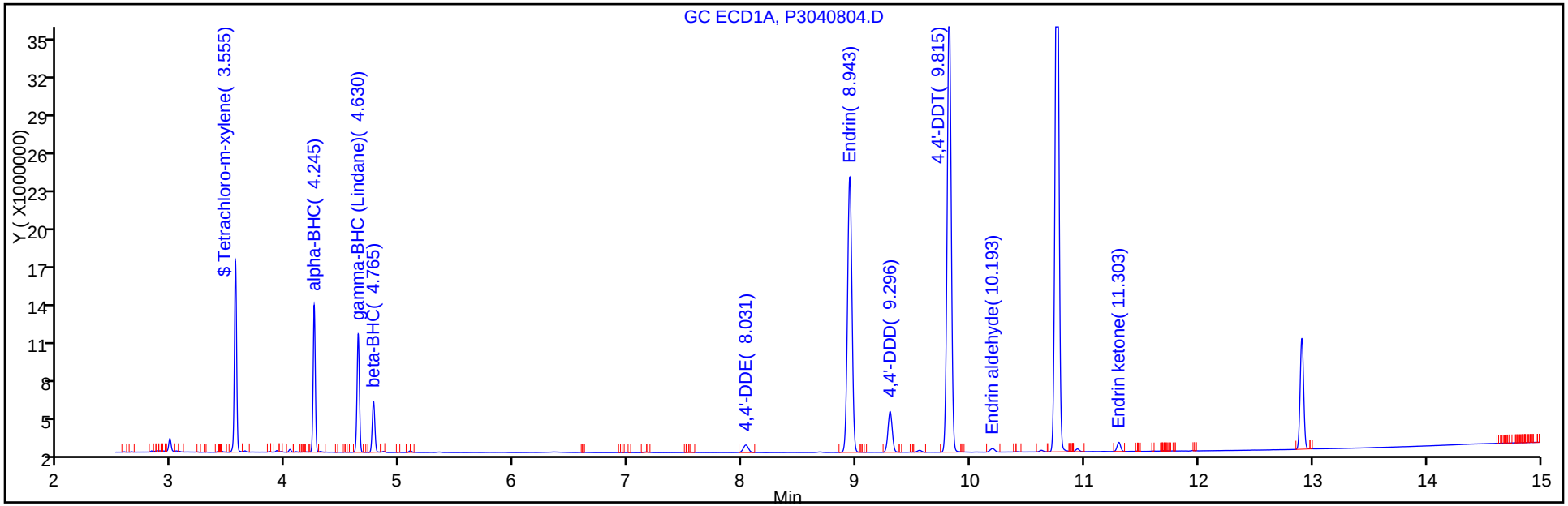
Report Date: 11-Apr-2013 15:20:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

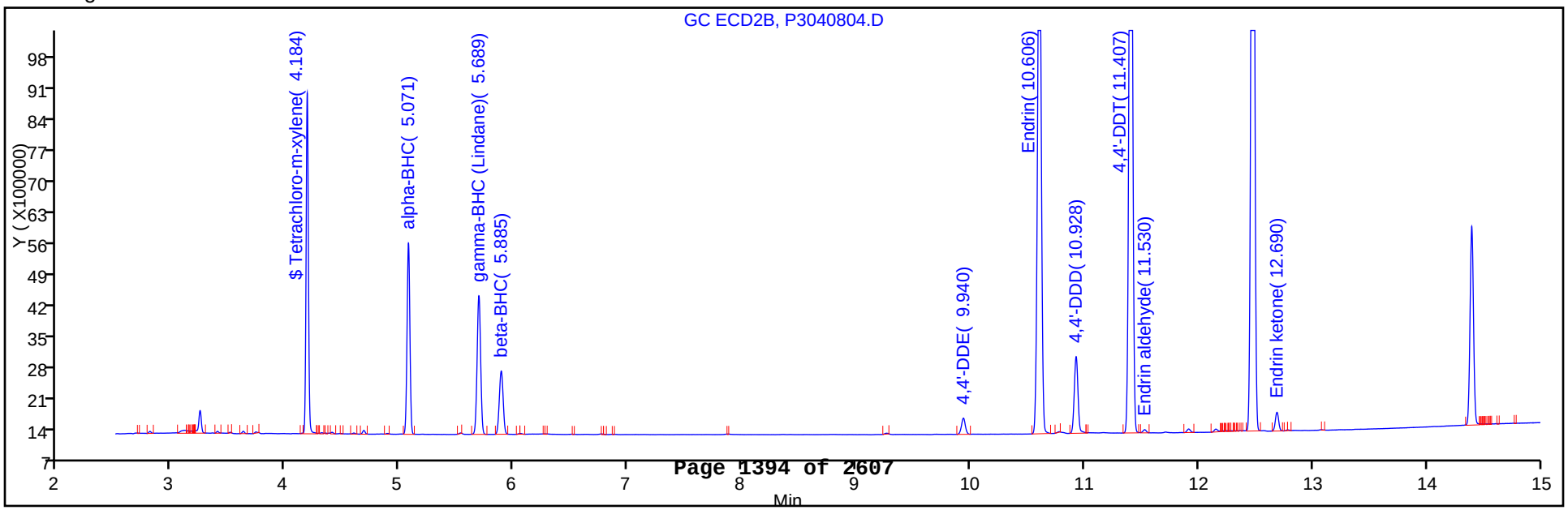
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Injection Date:	08-Apr-2013 13:52:55	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1657587240		0.0255	0.0250	2.1	20.0
gamma-BHC (Lindane)	Ave	1455203462	1481817360		0.0255	0.0250	1.8	20.0
beta-BHC	Ave	618486639	622075960		0.0251	0.0250	0.6	20.0
delta-BHC	Ave	1480196914	1511043880		0.0255	0.0250	2.1	20.0
Heptachlor	Ave	1288059053	1306268120		0.0254	0.0250	1.4	20.0
Aldrin	Ave	1359987606	1402096240		0.0258	0.0250	3.1	20.0
Heptachlor epoxide	Ave	1229987574	1235797240		0.0251	0.0250	0.5	20.0
gamma-Chlordane	Ave	1263492565	1263679720		0.0250	0.0250	0.0	20.0
alpha-Chlordane	Ave	1289702829	1260713000		0.0244	0.0250	-2.2	20.0
Endosulfan I	Ave	1152636801	1161963920		0.0252	0.0250	0.8	20.0
4,4'-DDE	Ave	1266505227	1264201160		0.0250	0.0250	-0.2	20.0
Dieldrin	Ave	1268423751	1270559640		0.0250	0.0250	0.2	20.0
Endrin	Ave	1189138903	1165252080		0.0245	0.0250	-2.0	20.0
4,4'-DDD	Ave	970323691	966925320		0.0249	0.0250	-0.4	20.0
Endosulfan II	Ave	1094573989	1088347480		0.0249	0.0250	-0.6	20.0
4,4'-DDT	Ave	922210777	935210280		0.0254	0.0250	1.4	20.0
Endrin aldehyde	Ave	880698493	871829840		0.0247	0.0250	-1.0	20.0
Methoxychlor	Ave	461419504	466384360		0.0253	0.0250	1.1	20.0
Endosulfan sulfate	Ave	981061458	986783840		0.0251	0.0250	0.6	20.0
Endrin ketone	Ave	1144648217	1116671120		0.0244	0.0250	-2.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.26	4.23	4.29
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.78	4.75	4.81
delta-BHC	5.00	4.97	5.03
Heptachlor	5.29	5.26	5.32
Aldrin	5.76	5.73	5.79
Heptachlor epoxide	7.04	7.01	7.07
gamma-Chlordane	7.35	7.33	7.39
alpha-Chlordane	7.70	7.67	7.73
Endosulfan I	7.97	7.94	8.00
4,4'-DDE	8.06	8.03	8.09
Dieldrin	8.52	8.49	8.55
Endrin	8.97	8.94	9.00
4,4'-DDD	9.32	9.29	9.35
Endosulfan II	9.41	9.38	9.44
4,4'-DDT	9.84	9.81	9.87
Endrin aldehyde	10.20	10.17	10.23
Methoxychlor	10.78	10.75	10.81
Endosulfan sulfate	10.92	10.90	10.96
Endrin ketone	11.32	11.29	11.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
Lims ID: ICV Client ID:
Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 78295 Lims Sample ID: 19
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.322	11.322	0.000	27916778	0.0244			
2	100	12.699	12.699	0.000	11934924	0.0238			
						RPD = 2.46			

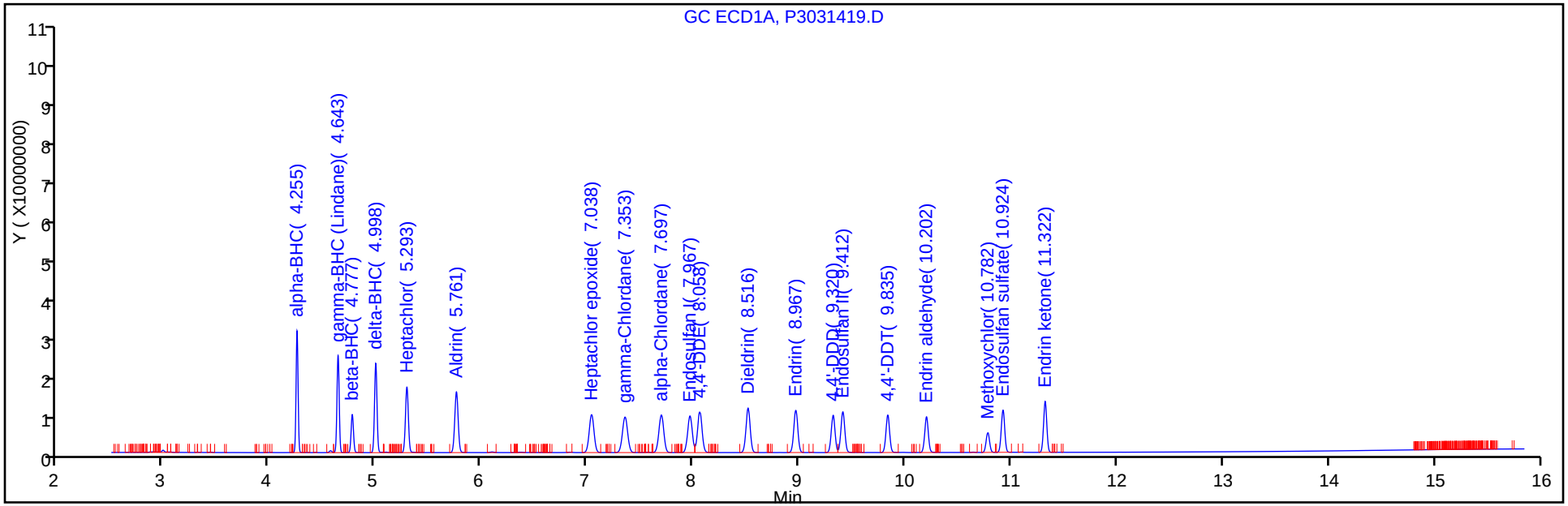
Report Date: 15-Mar-2013 07:54:42 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

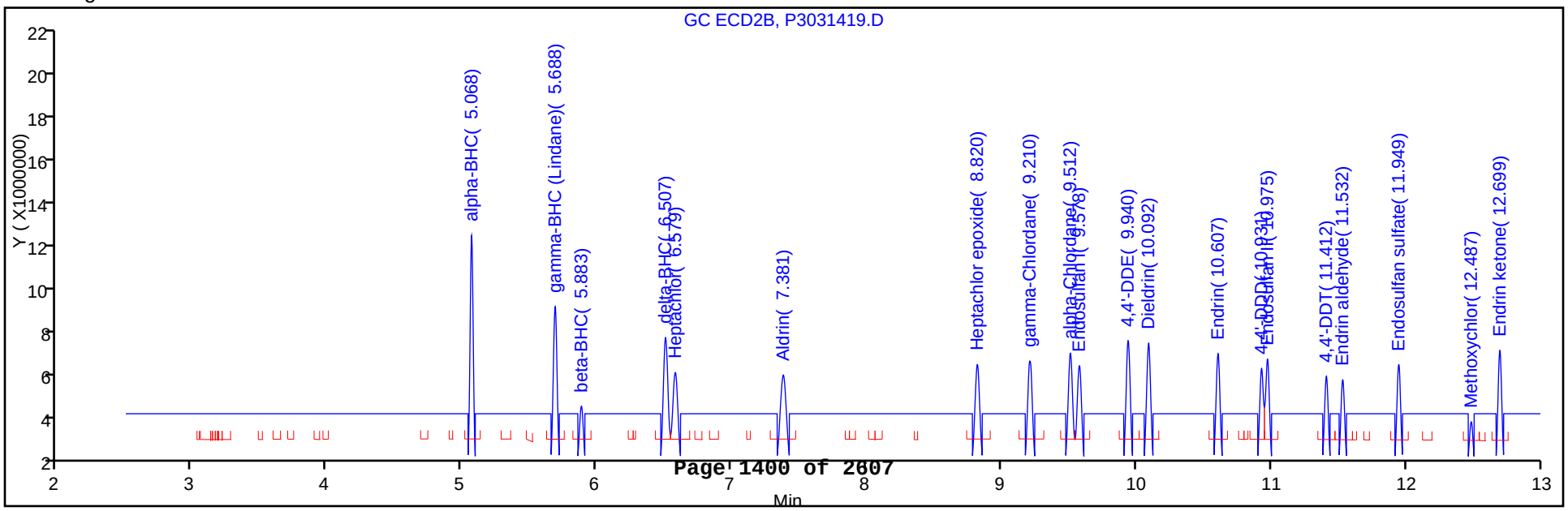
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D

Injection Date:	14-Mar-2013 16:20:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	766856960		0.0249	0.0250	-0.4	20.0
gamma-BHC (Lindane)	Ave	677058072	668483680		0.0247	0.0250	-1.3	20.0
beta-BHC	Ave	295707343	295021280		0.0249	0.0250	-0.2	20.0
delta-BHC	Ave	695621800	687411920		0.0247	0.0250	-1.2	20.0
Heptachlor	Ave	582970513	566852080		0.0243	0.0250	-2.8	20.0
Aldrin	Ave	666083583	668525280		0.0251	0.0250	0.4	20.0
Heptachlor epoxide	Ave	581320598	575460360		0.0247	0.0250	-1.0	20.0
gamma-Chlordane	Ave	586604093	577719160		0.0246	0.0250	-1.5	20.0
alpha-Chlordane	Ave	610326008	584666160		0.0239	0.0250	-4.2	20.0
Endosulfan I	Ave	531325762	522216800		0.0246	0.0250	-1.7	20.0
4,4'-DDE	Ave	609850598	597416360		0.0245	0.0250	-2.0	20.0
Dieldrin	Ave	594383876	582952800		0.0245	0.0250	-1.9	20.0
Endrin	Ave	535793583	518827800		0.0242	0.0250	-3.2	20.0
4,4'-DDD	Ave	427546511	421042600		0.0246	0.0250	-1.5	20.0
Endosulfan II	Ave	485472127	470609320		0.0242	0.0250	-3.1	20.0
4,4'-DDT	Ave	395546624	394135280		0.0249	0.0250	-0.4	20.0
Endrin aldehyde	Ave	395073591	383166480		0.0242	0.0250	-3.0	20.0
Endosulfan sulfate	Ave	442236050	438747400		0.0248	0.0250	-0.8	20.0
Methoxychlor	Ave	199518519	199010920		0.0249	0.0250	-0.3	20.0
Endrin ketone	Ave	501538938	477396960		0.0238	0.0250	-4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.88	5.85	5.91
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.38	7.35	7.41
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.58	9.55	9.61
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.61	10.58	10.64
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.98	10.95	11.01
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.95	11.92	11.98
Methoxychlor	12.49	12.46	12.52
Endrin ketone	12.70	12.67	12.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
Lims ID: ICV Client ID:
Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 78295 Lims Sample ID: 19
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.322	11.322	0.000	27916778	0.0244			
2	100	12.699	12.699	0.000	11934924	0.0238			
						RPD = 2.46			

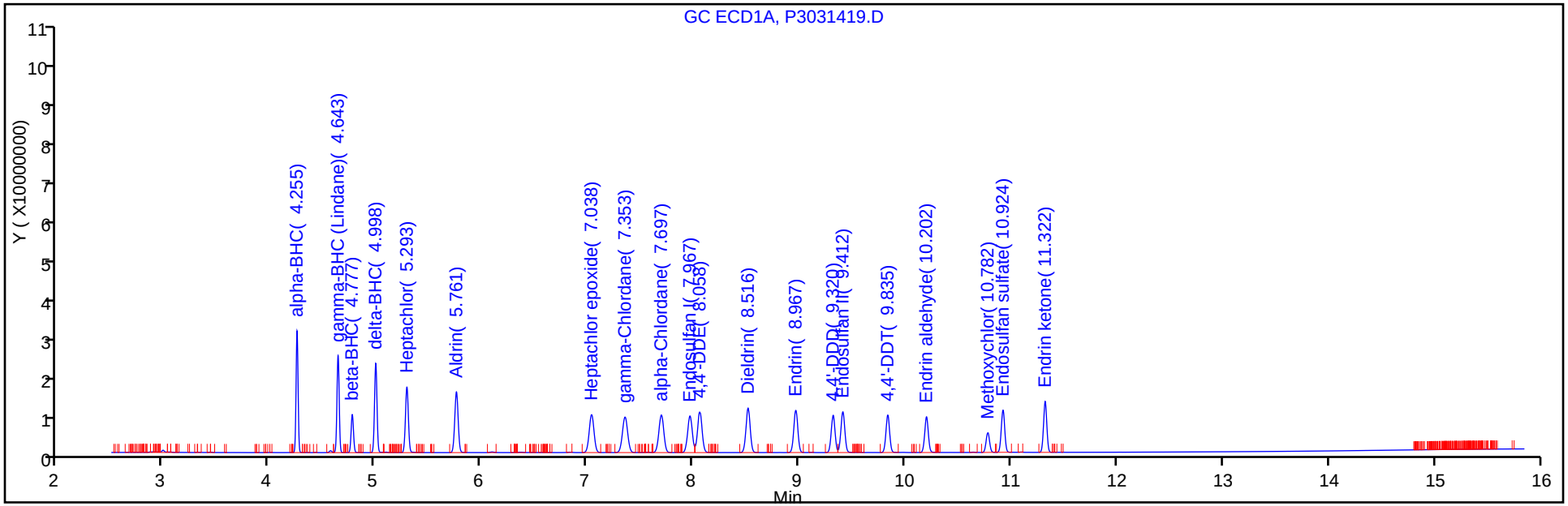
Report Date: 15-Mar-2013 07:54:42 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

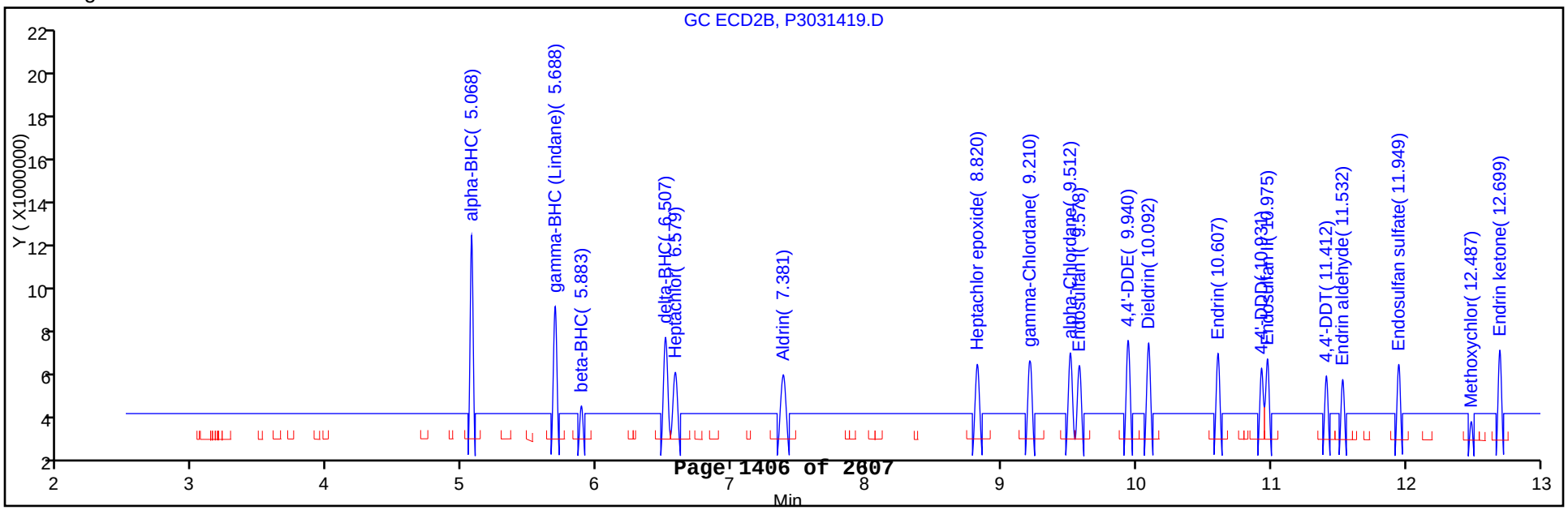
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D

Injection Date:	14-Mar-2013 16:20:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	60802538		1.24	1.00	24.2*	20.0
Toxaphene Peak 2	Ave	49795684	56394244		1.13	1.00	13.3	20.0
Toxaphene Peak 3	Ave	41014572	58762037		1.43	1.00	43.3*	20.0
Toxaphene Peak 4	Ave	31176774	48676390		1.56	1.00	56.1*	20.0
Toxaphene Peak 5	Ave	26157631	41188374		1.57	1.00	57.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.39	10.36	10.42
Toxaphene Peak 2	10.73	10.70	10.76
Toxaphene Peak 3	10.88	10.85	10.91
Toxaphene Peak 4	11.29	11.26	11.32
Toxaphene Peak 5	11.56	11.53	11.59

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
Lims ID: ICV
Client ID:
Inject. Date: 14-Mar-2013 18:20:24
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-025
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 25
Lims Batch ID: 78295
Lims Sample ID: 25
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49
Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr
Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
			Average of Peak Amounts =			1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
			Average of Peak Amounts =			0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags
M - Manually Integrated

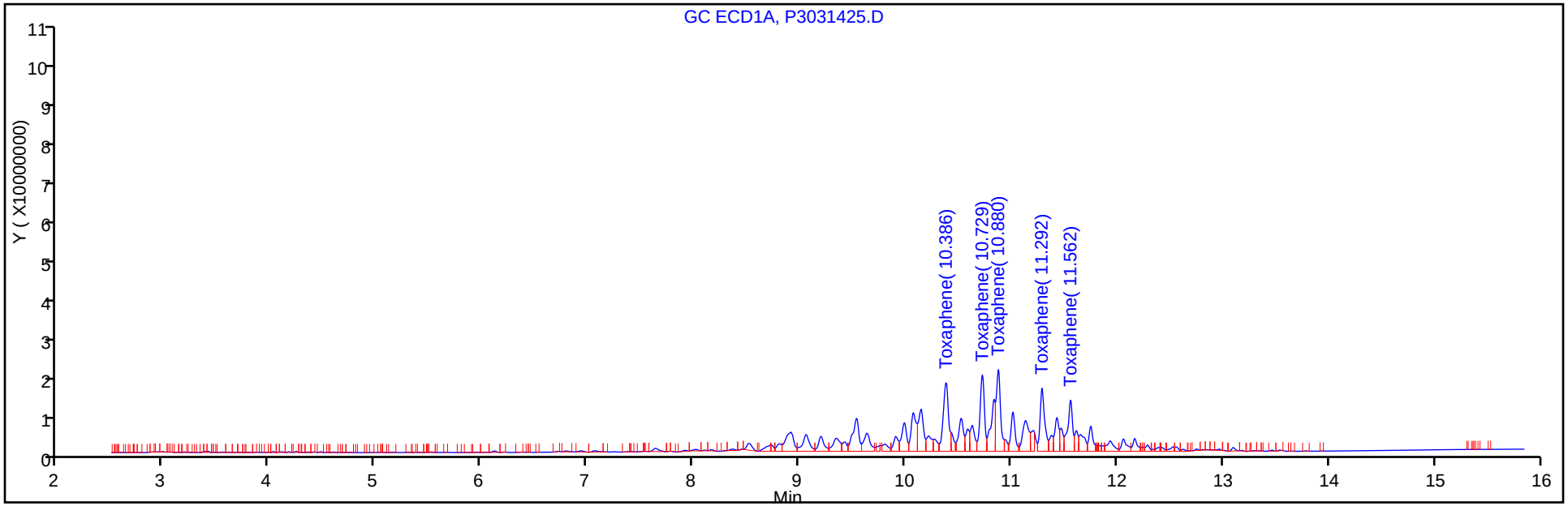
Report Date: 15-Mar-2013 07:54:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

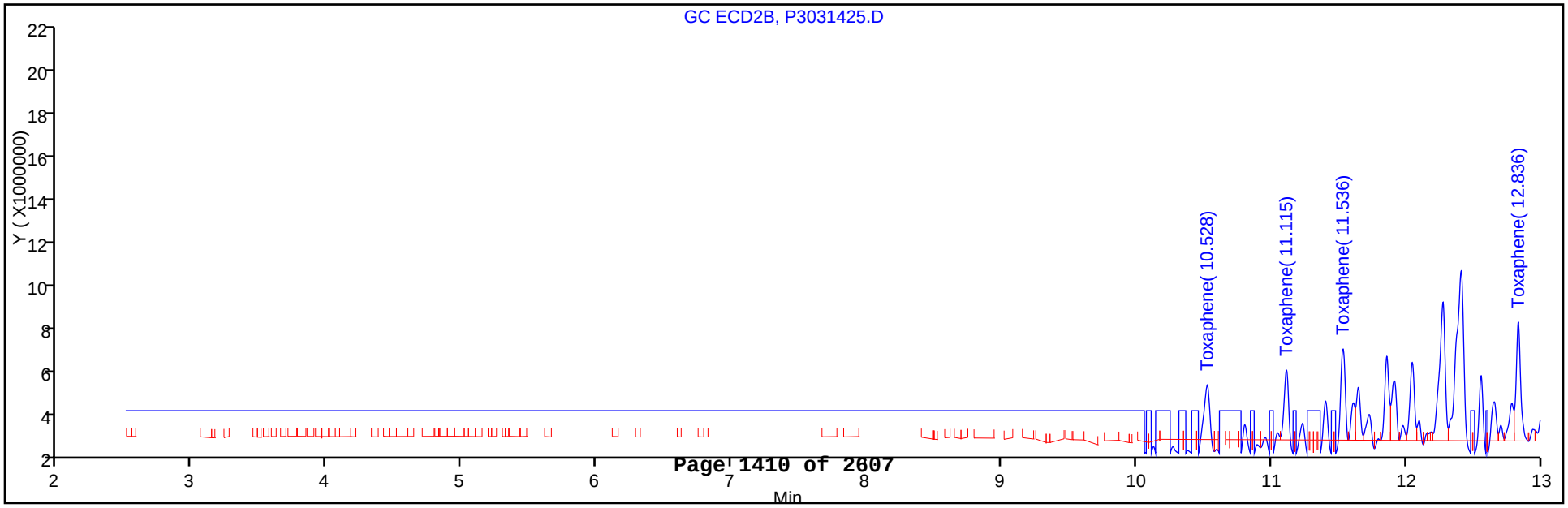
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Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



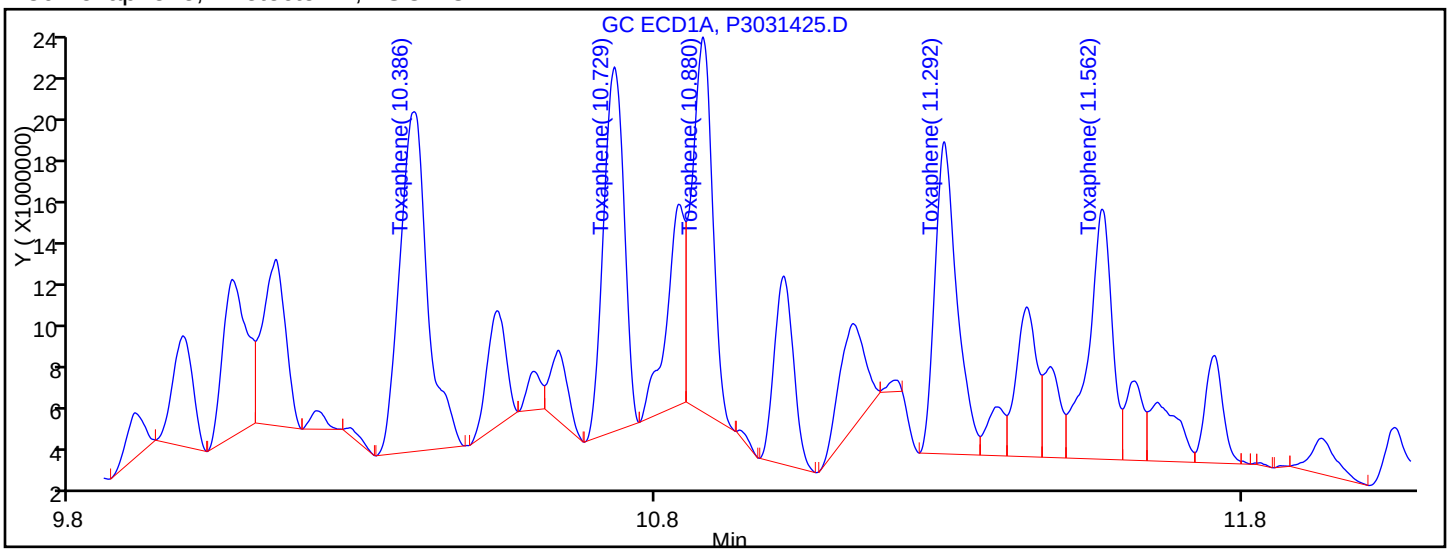
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

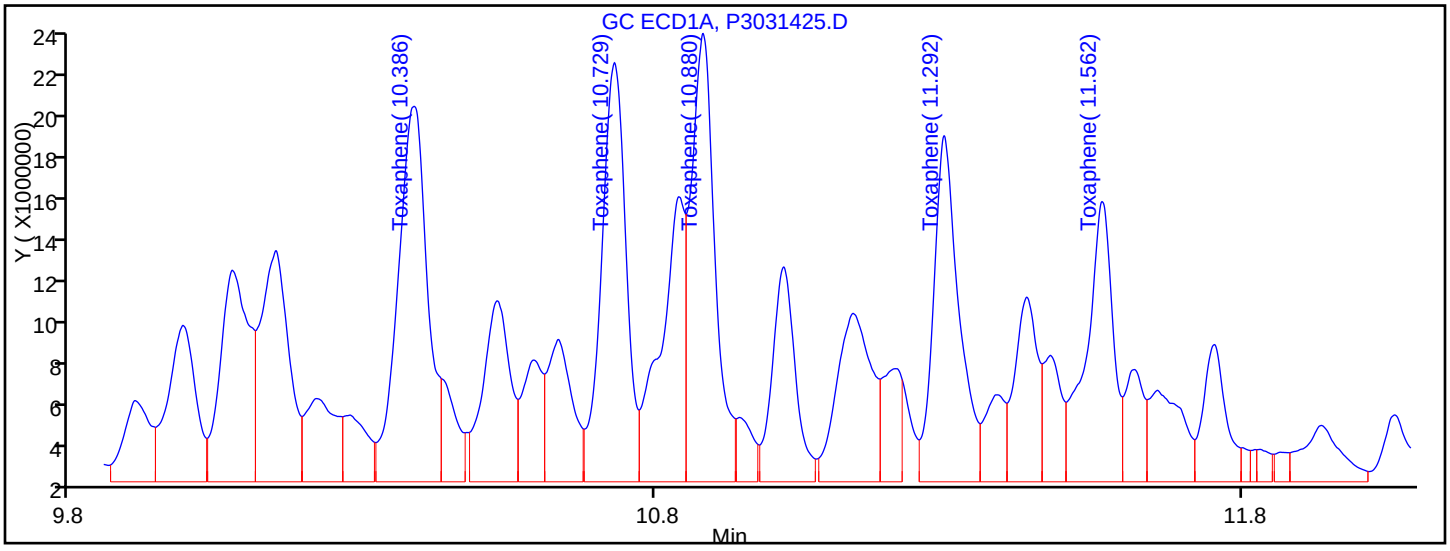
Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.386	Response = 50641286	M
RT = 10.729	Response = 40186783	M
RT = 10.880	Response = 40717571	M
RT = 11.292	Response = 36881446	M
RT = 11.562	Response = 31520528	M



Manual Integration Results

RT = 10.386	Response = 60802538	M
RT = 10.729	Response = 56394244	M
RT = 10.880	Response = 58762037	M
RT = 11.292	Response = 48676390	M
RT = 11.562	Response = 41188374	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	15650408		0.927	1.00	-7.3	20.0
Toxaphene Peak 2	Ave	21534081	14476115		0.672	1.00	-32.8*	20.0
Toxaphene Peak 3	Ave	26029451	16561763		0.636	1.00	-36.4*	20.0
Toxaphene Peak 4	Ave	30315481	20209953		0.667	1.00	-33.3*	20.0
Toxaphene Peak 5	Ave	12222975	21049372		1.72	1.00	72.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.53	10.50	10.56
Toxaphene Peak 2	11.12	11.09	11.15
Toxaphene Peak 3	11.54	11.51	11.57
Toxaphene Peak 4	12.84	12.25	12.31
Toxaphene Peak 5	13.12	12.81	12.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
Lims ID: ICV
Client ID:
Inject. Date: 14-Mar-2013 18:20:24
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-025
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 25
Lims Batch ID: 78295
Lims Sample ID: 25
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49
Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr
Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
			Average of Peak Amounts =			1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
			Average of Peak Amounts =			0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags
M - Manually Integrated

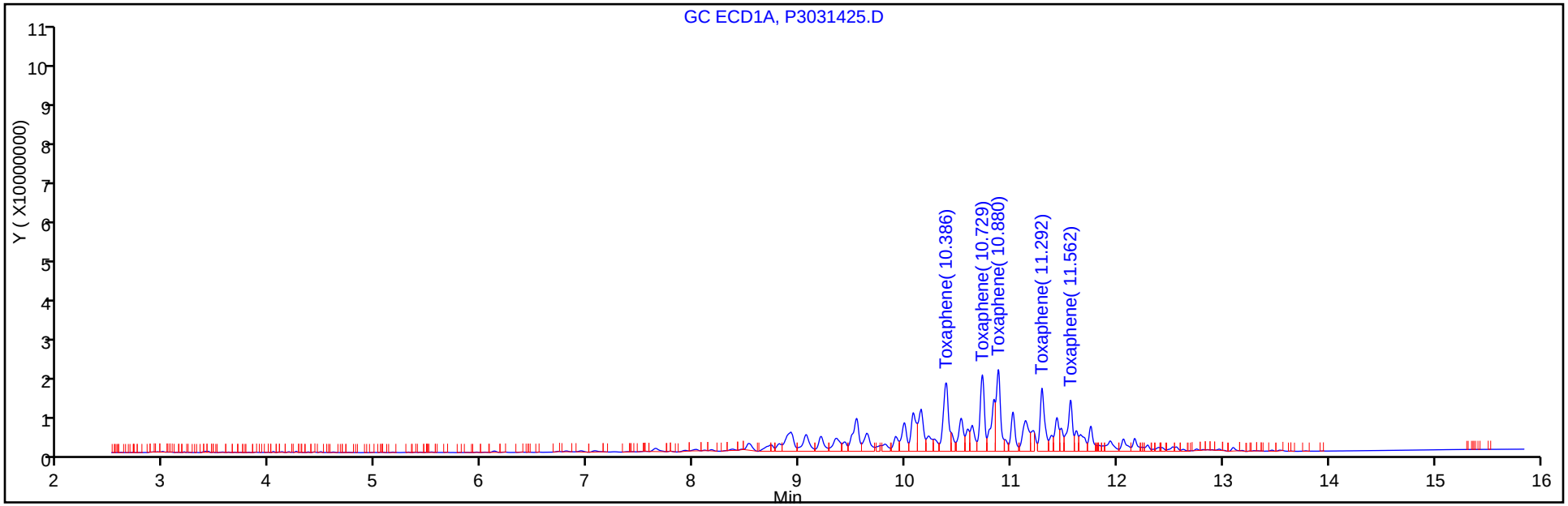
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

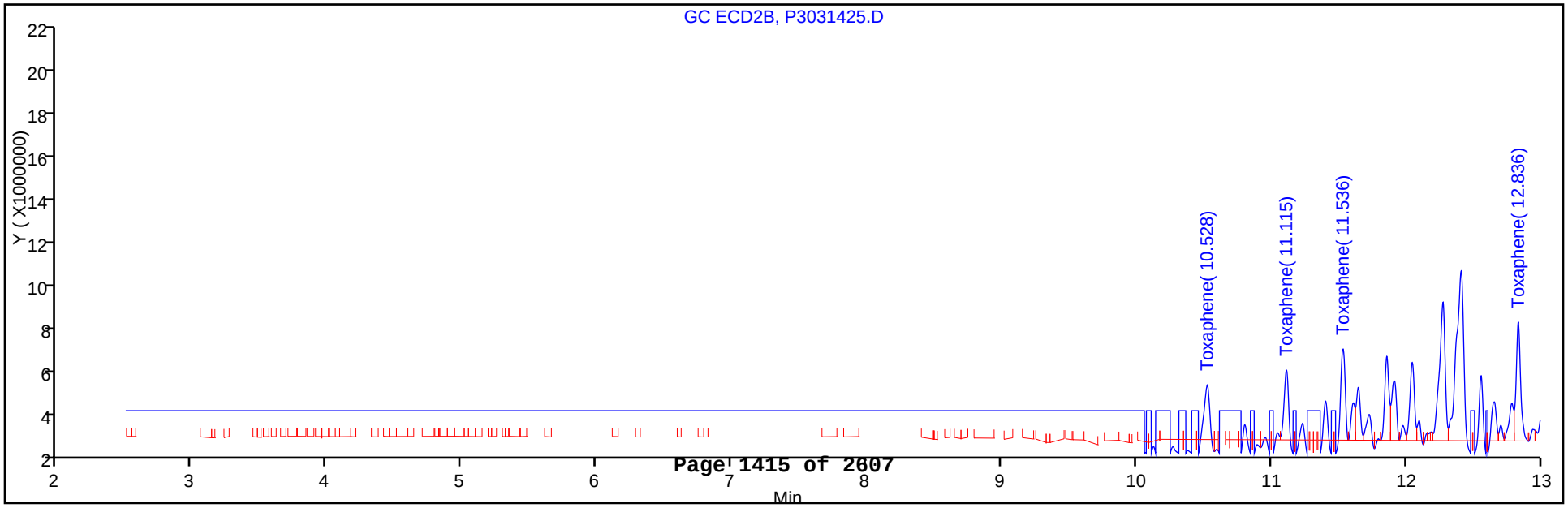
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



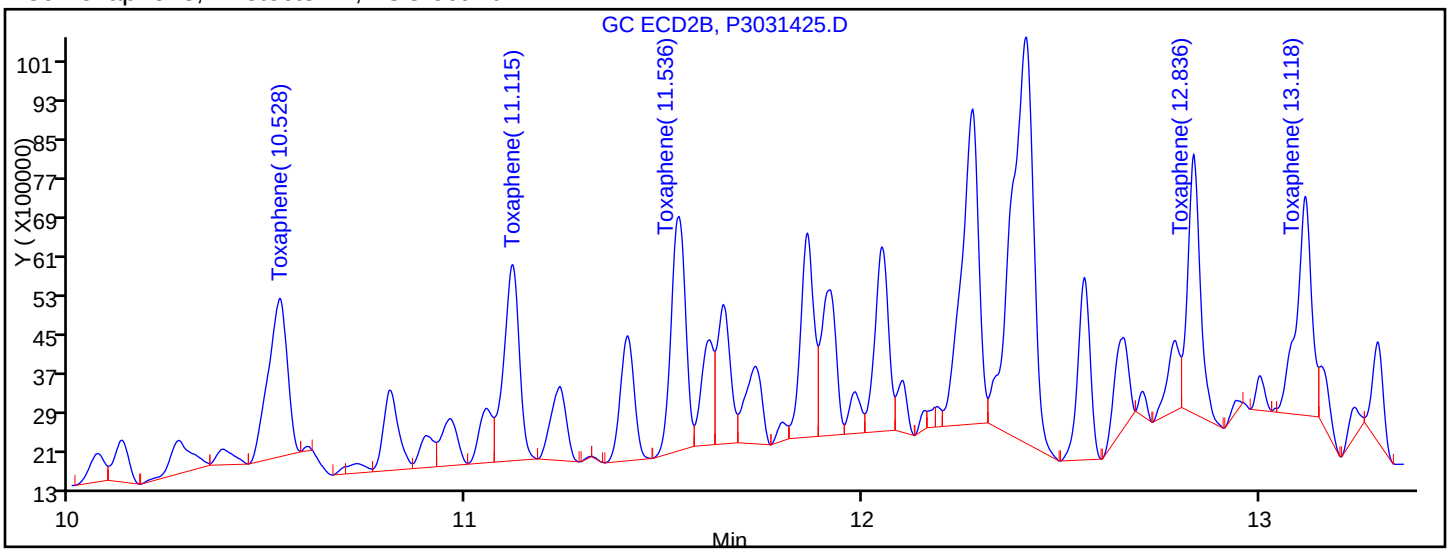
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

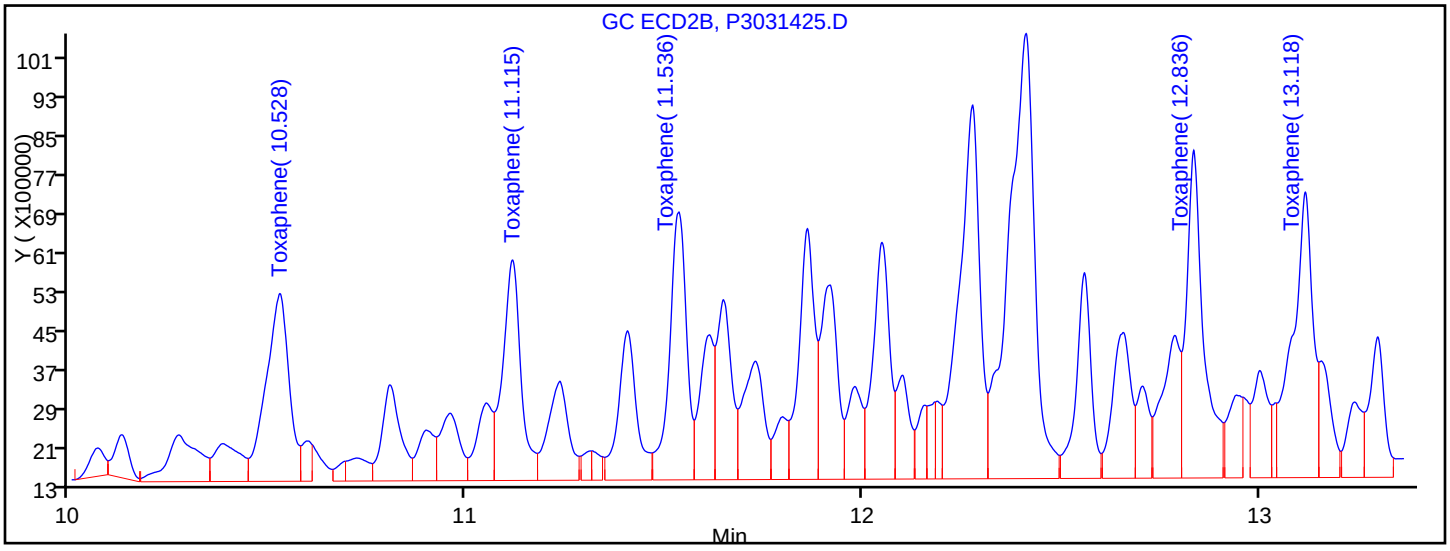
Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.528	Response = 10952045	M
RT = 11.115	Response = 11039703	M
RT = 11.536	Response = 12277980	M
RT = 12.836	Response = 11715269	M
RT = 13.118	Response = 12039318	M



Manual Integration Results

RT = 10.528	Response = 15650408	M
RT = 11.115	Response = 14476115	M
RT = 11.536	Response = 16561763	M
RT = 12.836	Response = 20209953	M
RT = 13.118	Response = 21049372	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/5 Calibration Date: 04/08/2013 14:13

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: P3040805.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1608711520		0.0248	0.0250	-0.9	20.0
gamma-BHC (Lindane)	Ave	1455203462	1421439640		0.0244	0.0250	-2.3	20.0
beta-BHC	Ave	618486639	619594600		0.0250	0.0250	0.2	20.0
delta-BHC	Ave	1480196914	1244927960		0.0210	0.0250	-15.9	20.0
Heptachlor	Ave	1288059053	1331975920		0.0259	0.0250	3.4	20.0
Aldrin	Ave	1359987606	1355091640		0.0249	0.0250	-0.4	20.0
Heptachlor epoxide	Ave	1229987574	1240587960		0.0252	0.0250	0.9	20.0
gamma-Chlordane	Ave	1263492565	1266158760		0.0251	0.0250	0.2	20.0
alpha-Chlordane	Ave	1289702829	1297871000		0.0252	0.0250	0.6	20.0
Endosulfan I	Ave	1152636801	1162114440		0.0252	0.0250	0.8	20.0
4,4'-DDE	Ave	1266505227	1247113880		0.0246	0.0250	-1.5	20.0
Dieldrin	Ave	1268423751	1275681400		0.0251	0.0250	0.6	20.0
Endrin	Ave	1189138903	1229339040		0.0258	0.0250	3.4	20.0
4,4'-DDD	Ave	970323691	1060068120		0.0273	0.0250	9.2	20.0
Endosulfan II	Ave	1094573989	1121760680		0.0256	0.0250	2.5	20.0
4,4'-DDT	Ave	922210777	843249760		0.0229	0.0250	-8.6	20.0
Endrin aldehyde	Ave	880698493	907613920		0.0258	0.0250	3.1	20.0
Methoxychlor	Ave	461419504	486380040		0.0264	0.0250	5.4	20.0
Endosulfan sulfate	Ave	981061458	904155680		0.0230	0.0250	-7.8	20.0
Endrin ketone	Ave	1144648217	1211537280		0.0265	0.0250	5.8	20.0
Tetrachloro-m-xylene	Ave	1100163513	1027246960		0.0233	0.0250	-6.6	20.0
DCB Decachlorobiphenyl	Ave	960238458	966774920		0.0252	0.0250	0.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/5 Calibration Date: 04/08/2013 14:13

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: P3040805.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.25	4.22	4.28
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.77	4.74	4.80
delta-BHC	4.99	4.96	5.02
Heptachlor	5.28	5.25	5.31
Aldrin	5.75	5.72	5.78
Heptachlor epoxide	7.02	6.99	7.05
gamma-Chlordane	7.34	7.31	7.37
alpha-Chlordane	7.68	7.65	7.71
Endosulfan I	7.95	7.92	7.98
4,4'-DDE	8.04	8.01	8.07
Dieldrin	8.50	8.47	8.53
Endrin	8.95	8.92	8.98
4,4'-DDD	9.31	9.28	9.34
Endosulfan II	9.40	9.37	9.43
4,4'-DDT	9.82	9.79	9.85
Endrin aldehyde	10.19	10.16	10.22
Methoxychlor	10.77	10.74	10.80
Endosulfan sulfate	10.91	10.88	10.94
Endrin ketone	11.31	11.28	11.34
Tetrachloro-m-xylene	3.56	3.53	3.59
DCB Decachlorobiphenyl	12.91	12.88	12.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040805.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 14:13:12 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0018656-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 81016 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:31 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	25681174	0.0233			
2	100	4.184	4.184	0.000	13333080	0.0221			
						RPD = 5.58			
5 alpha-BHC									
1	100	4.250	4.250	0.000	40217788	0.0248			
2	100	5.072	5.072	0.000	19656651	0.0255			
						RPD = 3.03			
20 gamma-BHC (Lindane)									
1	100	4.637	4.637	0.000	35535991	0.0244			
2	100	5.690	5.690	0.000	17136608	0.0253			
						RPD = 3.58			
7 beta-BHC									
1	100	4.772	4.772	0.000	15489865	0.0250			
2	100	5.887	5.887	0.000	7835829	0.0265			
						RPD = 5.64			
11 delta-BHC									
1	100	4.993	4.993	0.000	31123199	0.0210			
2	100	6.510	6.510	0.000	15035896	0.0216			
						RPD = 2.76			
22 Heptachlor									
1	100	5.284	5.284	0.000	33299398	0.0259			
2	100	6.579	6.579	0.000	14881772	0.0255			
						RPD = 1.26			
4 Aldrin									
1	100	5.750	5.750	0.000	33877291	0.0249			
2	100	7.378	7.378	0.000	16749632	0.0251			
						RPD = 0.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.021	7.021	0.000	31014699	0.0252			
2	100	8.819	8.819	0.000	15026347	0.0258			
						RPD = 2.48			
21 gamma-Chlordane									
1	100	7.336	7.336	0.000	31653969	0.0251			
2	100	9.211	9.211	0.000	15222256	0.0259			
						RPD = 3.52			
6 alpha-Chlordane									
1	100	7.679	7.679	0.000	32446775	0.0252			
2	100	9.510	9.510	0.000	15526918	0.0254			
						RPD = 1.11			
14 Endosulfan I									
1	100	7.950	7.950	0.000	29052861	0.0252			
2	100	9.577	9.577	0.000	13718390	0.0258			
						RPD = 2.41			
2 4,4'-DDE									
1	100	8.044	8.044	0.000	31177847	0.0246			
2	100	9.940	9.940	0.000	15150023	0.0248			
						RPD = 0.91			
13 Dieldrin									
1	100	8.502	8.502	0.000	31892035	0.0251			
2	100	10.091	10.091	0.000	15102477	0.0254			
						RPD = 1.05			
17 Endrin									
1	100	8.953	8.953	0.000	30733476	0.0258			
2	100	10.607	10.607	0.000	14221665	0.0265			
						RPD = 2.66			
1 4,4'-DDD									
1	100	9.307	9.307	0.000	26501703	0.0273			
2	100	10.929	10.929	0.000	12097726	0.0283			
						RPD = 3.54			
15 Endosulfan II									
1	100	9.399	9.399	0.000	28044017	0.0256			
2	100	10.974	10.974	0.000	13199508	0.0272			
						RPD = 5.94			
3 4,4'-DDT									
1	100	9.824	9.824	0.000	21081244	0.0229			
2	100	11.409	11.409	0.000	8774075	0.0222			
						RPD = 3.01			
18 Endrin aldehyde									
1	100	10.189	10.189	0.000	22690348	0.0258			
2	100	11.530	11.530	0.000	10583167	0.0268			
						RPD = 3.90			
27 Methoxychlor									
1	100	10.769	10.769	0.000	12159501	0.0264			
2	100	12.478	12.478	0.000	4946071	0.0248			
						RPD = 6.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.911	10.911	0.000	22603892	0.0230			
2	100	11.944	11.944	0.000	10395210	0.0235			
						RPD = 2.00			
19 Endrin ketone									
1	100	11.309	11.309	0.000	30288432	0.0265			
2	100	12.691	12.691	0.000	13569722	0.0271			
						RPD = 2.22			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.914	0.000	24169373	0.0252			
2	100	14.399	14.399	0.000	11900508	0.0248			
						RPD = 1.66			

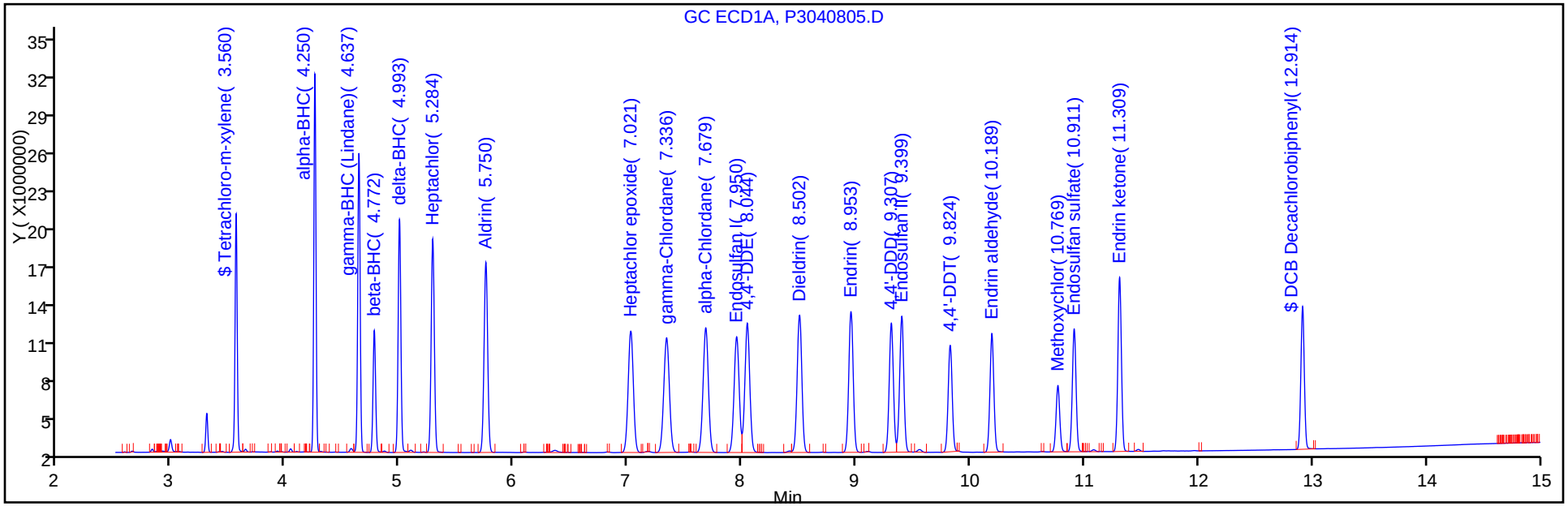
Report Date: 09-Apr-2013 09:28:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

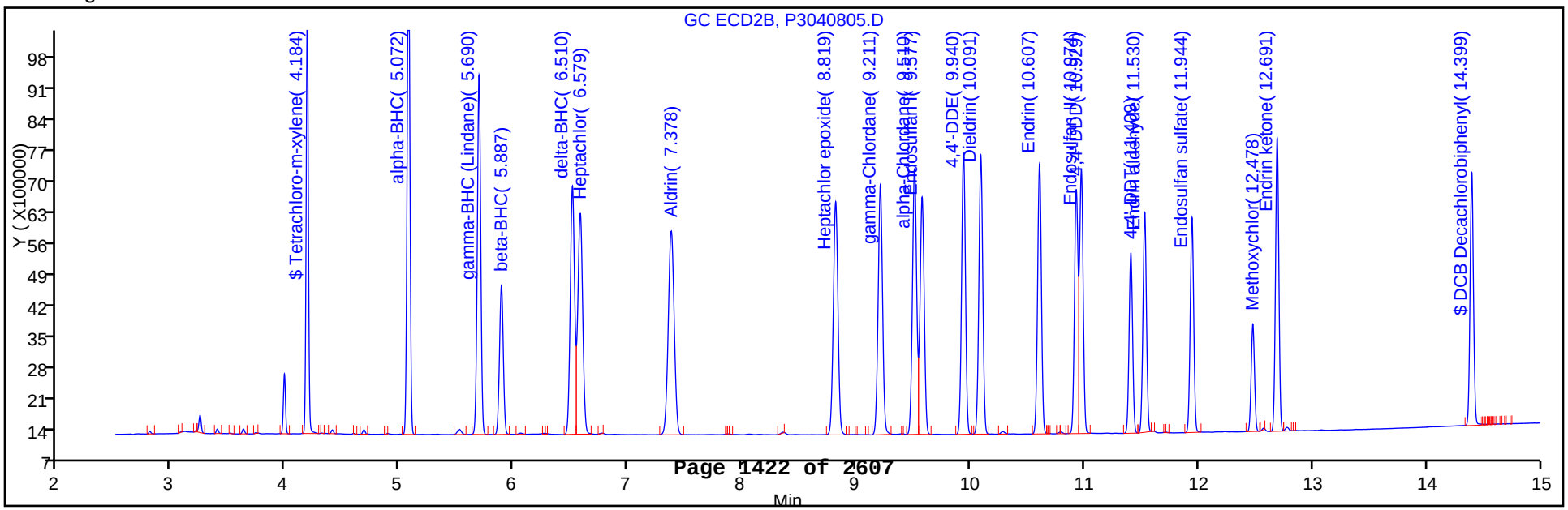
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Injection Date:	08-Apr-2013 14:13:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/5 Calibration Date: 04/08/2013 14:13

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: P3040805.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	786266040		0.0255	0.0250	2.1	20.0
gamma-BHC (Lindane)	Ave	677058072	685464320		0.0253	0.0250	1.2	20.0
beta-BHC	Ave	295707343	313433160		0.0265	0.0250	6.0	20.0
delta-BHC	Ave	695621800	601435840		0.0216	0.0250	-13.5	20.0
Heptachlor	Ave	582970513	595270880		0.0255	0.0250	2.1	20.0
Aldrin	Ave	666083583	669985280		0.0251	0.0250	0.6	20.0
Heptachlor epoxide	Ave	581320598	601053880		0.0258	0.0250	3.4	20.0
gamma-Chlordane	Ave	586604093	608890240		0.0259	0.0250	3.8	20.0
alpha-Chlordane	Ave	610326008	621076720		0.0254	0.0250	1.8	20.0
Endosulfan I	Ave	531325762	548735600		0.0258	0.0250	3.3	20.0
4,4'-DDE	Ave	609850598	606000920		0.0248	0.0250	-0.6	20.0
Dieldrin	Ave	594383876	604099080		0.0254	0.0250	1.6	20.0
Endrin	Ave	535793583	568866600		0.0265	0.0250	6.2	20.0
4,4'-DDD	Ave	427546511	483909040		0.0283	0.0250	13.2	20.0
Endosulfan II	Ave	485472127	527980320		0.0272	0.0250	8.8	20.0
4,4'-DDT	Ave	395546624	350963000		0.0222	0.0250	-11.3	20.0
Endrin aldehyde	Ave	395073591	423326680		0.0268	0.0250	7.2	20.0
Endosulfan sulfate	Ave	442236050	415808400		0.0235	0.0250	-6.0	20.0
Methoxychlor	Ave	199518519	197842840		0.0248	0.0250	-0.8	20.0
Endrin ketone	Ave	501538938	542788880		0.0271	0.0250	8.2	20.0
Tetrachloro-m-xylene	Ave	603960426	533323200		0.0221	0.0250	-11.7	20.0
DCB Decachlorobiphenyl	Ave	480698861	476020320		0.0248	0.0250	-1.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/5 Calibration Date: 04/08/2013 14:13

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: P3040805.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.89	5.86	5.92
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.38	7.35	7.41
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.58	9.55	9.61
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.61	10.58	10.64
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.97	10.94	11.00
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.94	11.91	11.97
Methoxychlor	12.48	12.45	12.51
Endrin ketone	12.69	12.66	12.72
Tetrachloro-m-xylene	4.18	4.15	4.21
DCB Decachlorobiphenyl	14.40	14.37	14.43

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040805.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 14:13:12 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0018656-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 81016 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:31 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	25681174	0.0233			
2	100	4.184	4.184	0.000	13333080	0.0221			
						RPD = 5.58			
5 alpha-BHC									
1	100	4.250	4.250	0.000	40217788	0.0248			
2	100	5.072	5.072	0.000	19656651	0.0255			
						RPD = 3.03			
20 gamma-BHC (Lindane)									
1	100	4.637	4.637	0.000	35535991	0.0244			
2	100	5.690	5.690	0.000	17136608	0.0253			
						RPD = 3.58			
7 beta-BHC									
1	100	4.772	4.772	0.000	15489865	0.0250			
2	100	5.887	5.887	0.000	7835829	0.0265			
						RPD = 5.64			
11 delta-BHC									
1	100	4.993	4.993	0.000	31123199	0.0210			
2	100	6.510	6.510	0.000	15035896	0.0216			
						RPD = 2.76			
22 Heptachlor									
1	100	5.284	5.284	0.000	33299398	0.0259			
2	100	6.579	6.579	0.000	14881772	0.0255			
						RPD = 1.26			
4 Aldrin									
1	100	5.750	5.750	0.000	33877291	0.0249			
2	100	7.378	7.378	0.000	16749632	0.0251			
						RPD = 0.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.021	7.021	0.000	31014699	0.0252			
2	100	8.819	8.819	0.000	15026347	0.0258			
						RPD = 2.48			
21 gamma-Chlordane									
1	100	7.336	7.336	0.000	31653969	0.0251			
2	100	9.211	9.211	0.000	15222256	0.0259			
						RPD = 3.52			
6 alpha-Chlordane									
1	100	7.679	7.679	0.000	32446775	0.0252			
2	100	9.510	9.510	0.000	15526918	0.0254			
						RPD = 1.11			
14 Endosulfan I									
1	100	7.950	7.950	0.000	29052861	0.0252			
2	100	9.577	9.577	0.000	13718390	0.0258			
						RPD = 2.41			
2 4,4'-DDE									
1	100	8.044	8.044	0.000	31177847	0.0246			
2	100	9.940	9.940	0.000	15150023	0.0248			
						RPD = 0.91			
13 Dieldrin									
1	100	8.502	8.502	0.000	31892035	0.0251			
2	100	10.091	10.091	0.000	15102477	0.0254			
						RPD = 1.05			
17 Endrin									
1	100	8.953	8.953	0.000	30733476	0.0258			
2	100	10.607	10.607	0.000	14221665	0.0265			
						RPD = 2.66			
1 4,4'-DDD									
1	100	9.307	9.307	0.000	26501703	0.0273			
2	100	10.929	10.929	0.000	12097726	0.0283			
						RPD = 3.54			
15 Endosulfan II									
1	100	9.399	9.399	0.000	28044017	0.0256			
2	100	10.974	10.974	0.000	13199508	0.0272			
						RPD = 5.94			
3 4,4'-DDT									
1	100	9.824	9.824	0.000	21081244	0.0229			
2	100	11.409	11.409	0.000	8774075	0.0222			
						RPD = 3.01			
18 Endrin aldehyde									
1	100	10.189	10.189	0.000	22690348	0.0258			
2	100	11.530	11.530	0.000	10583167	0.0268			
						RPD = 3.90			
27 Methoxychlor									
1	100	10.769	10.769	0.000	12159501	0.0264			
2	100	12.478	12.478	0.000	4946071	0.0248			
						RPD = 6.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.911	10.911	0.000	22603892	0.0230			
2	100	11.944	11.944	0.000	10395210	0.0235			
						RPD = 2.00			
19 Endrin ketone									
1	100	11.309	11.309	0.000	30288432	0.0265			
2	100	12.691	12.691	0.000	13569722	0.0271			
						RPD = 2.22			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.914	0.000	24169373	0.0252			
2	100	14.399	14.399	0.000	11900508	0.0248			
						RPD = 1.66			

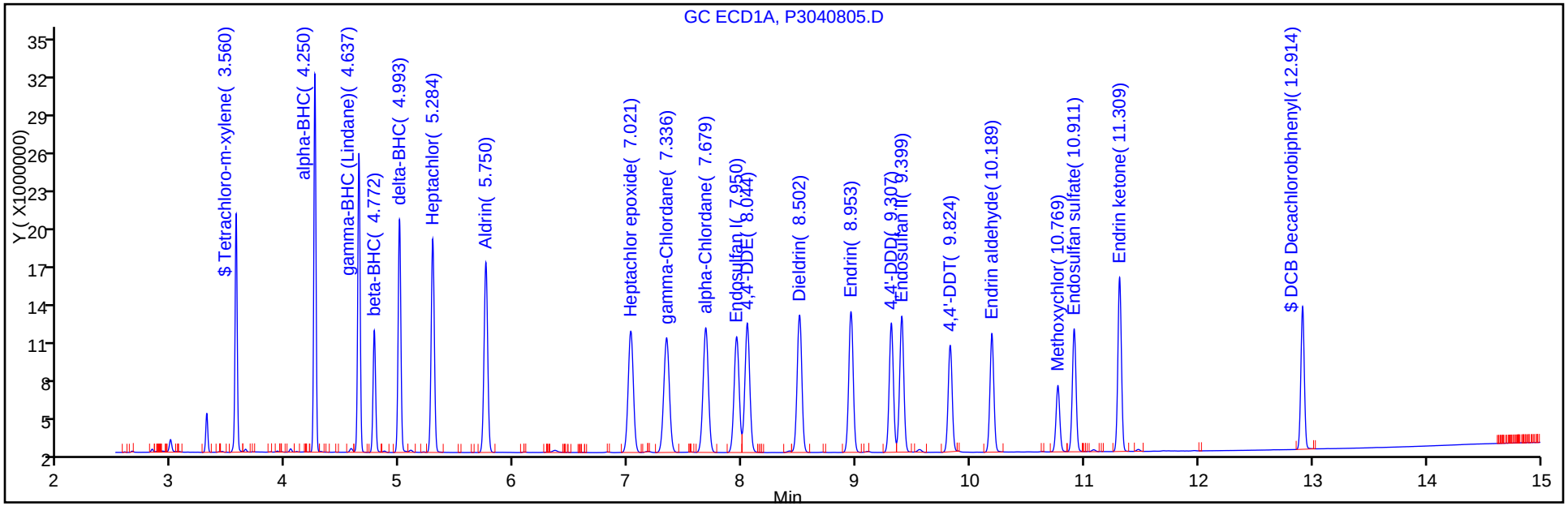
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TestAmerica Canton

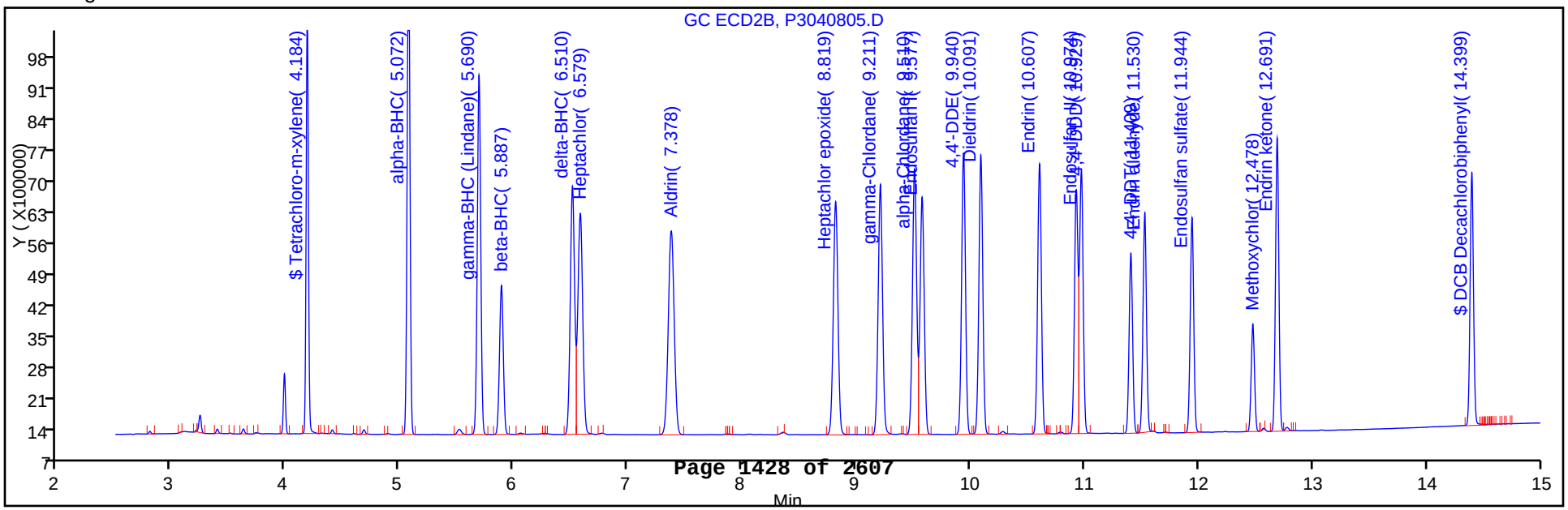
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Injection Date:	08-Apr-2013 14:13:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/7 Calibration Date: 04/08/2013 14:53

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040807.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	49902466		1.02	1.00	1.9	20.0
Toxaphene Peak 2	Ave	49795684	47935319		0.963	1.00	-3.7	20.0
Toxaphene Peak 3	Ave	41014572	35851062		0.874	1.00	-12.6	20.0
Toxaphene Peak 4	Ave	31176774	28707391		0.921	1.00	-7.9	20.0
Toxaphene Peak 5	Ave	26157631	17822107		0.681	1.00	-31.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/7 Calibration Date: 04/08/2013 14:53

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040807.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	10.72	10.69	10.75
Toxaphene Peak 3	10.87	10.84	10.90
Toxaphene Peak 4	11.28	11.25	11.31
Toxaphene Peak 5	11.55	11.52	11.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040807.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 08-Apr-2013 14:53:29 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 81016 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:33 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.376	10.376	0.000	49902466	1.02		100.0	M
1	2	10.720	10.720	0.000	47935319	0.9626	81.1- 121.1	96.1	M
1	3	10.868	10.868	0.000	35851062	0.8741	65.0- 105.0	71.8	M
1	4	11.282	11.282	0.000	28707391	0.9208	43.1- 83.1	57.5	M
1	5	11.548	11.548	0.000	17822107	0.6813	32.5- 72.5	35.7	M
			Average of Peak Amounts =			0.8917			
2	100	10.528	10.528	0.000	18756980	1.11		100.0	M
2	2	11.116	11.116	0.000	24462753	1.14	108.3- 148.3	130.4	M
2	3	11.531	11.531	0.000	26921230	1.03	134.7- 174.7	143.5	M
2	4	12.270	12.270	0.000	28084801	0.9264	157.2- 197.2	149.7	M
2	5	12.828	12.828	0.000	10363180	0.8478	51.7- 91.7	55.2	M
			Average of Peak Amounts =			1.01			
						RPD = 12.56			

QC Flag Legend

Review Flags
M - Manually Integrated

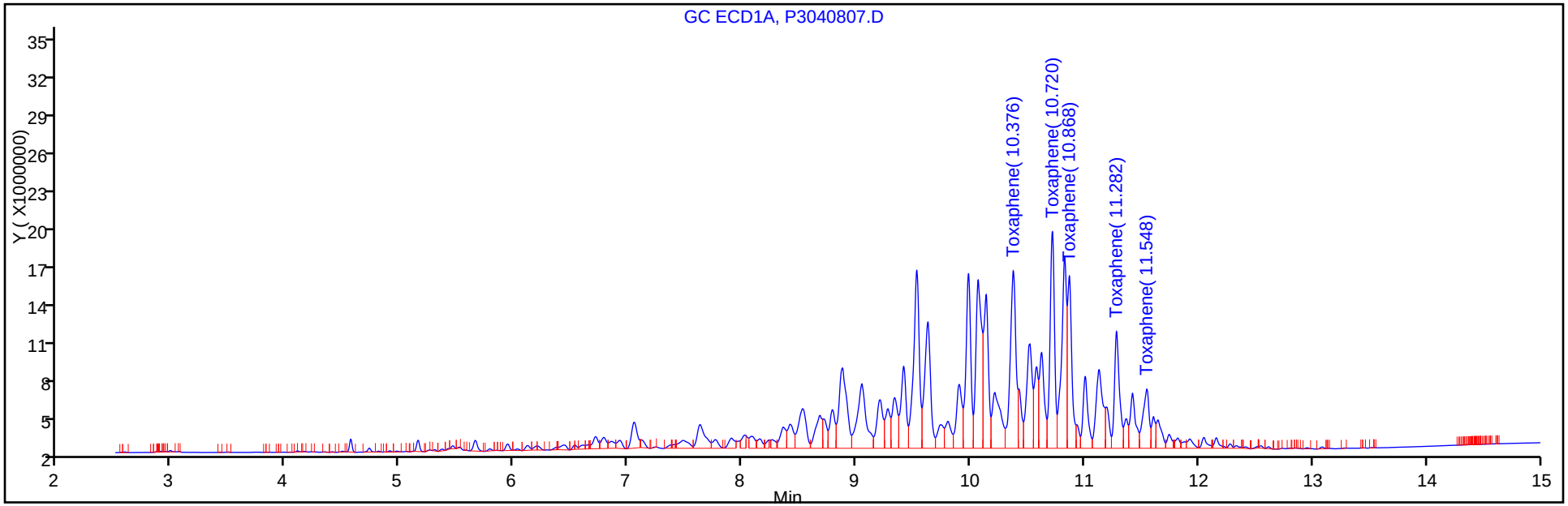
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TestAmerica Canton

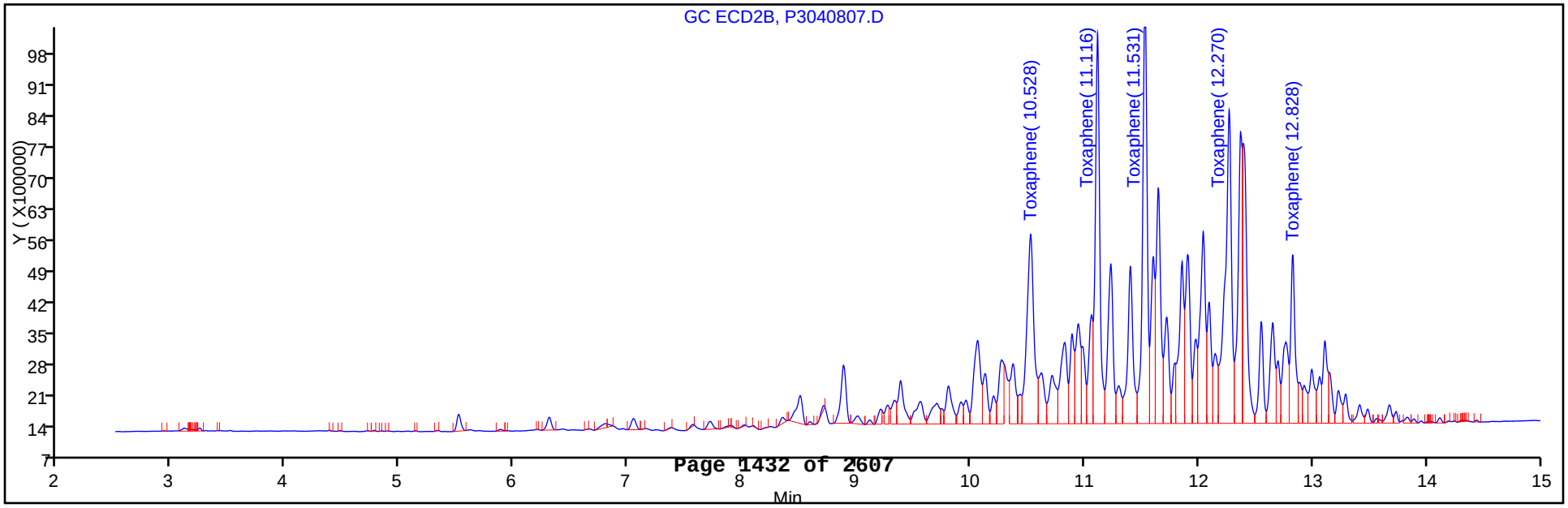
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Injection Date:	08-Apr-2013 14:53:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



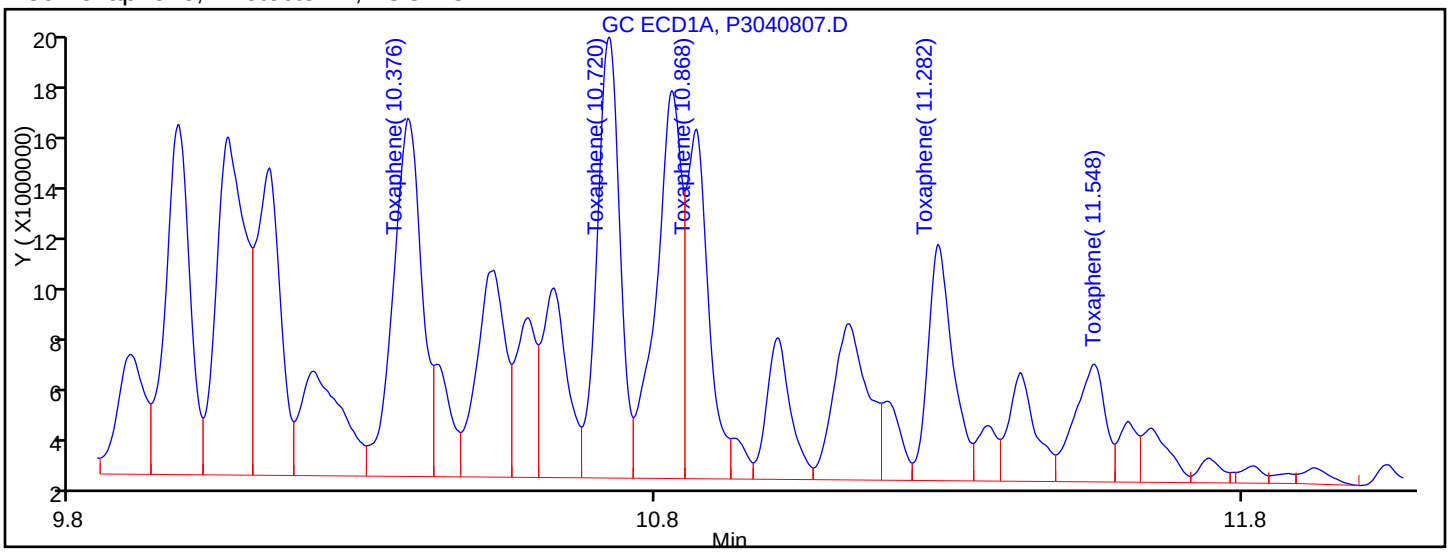
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040807.D

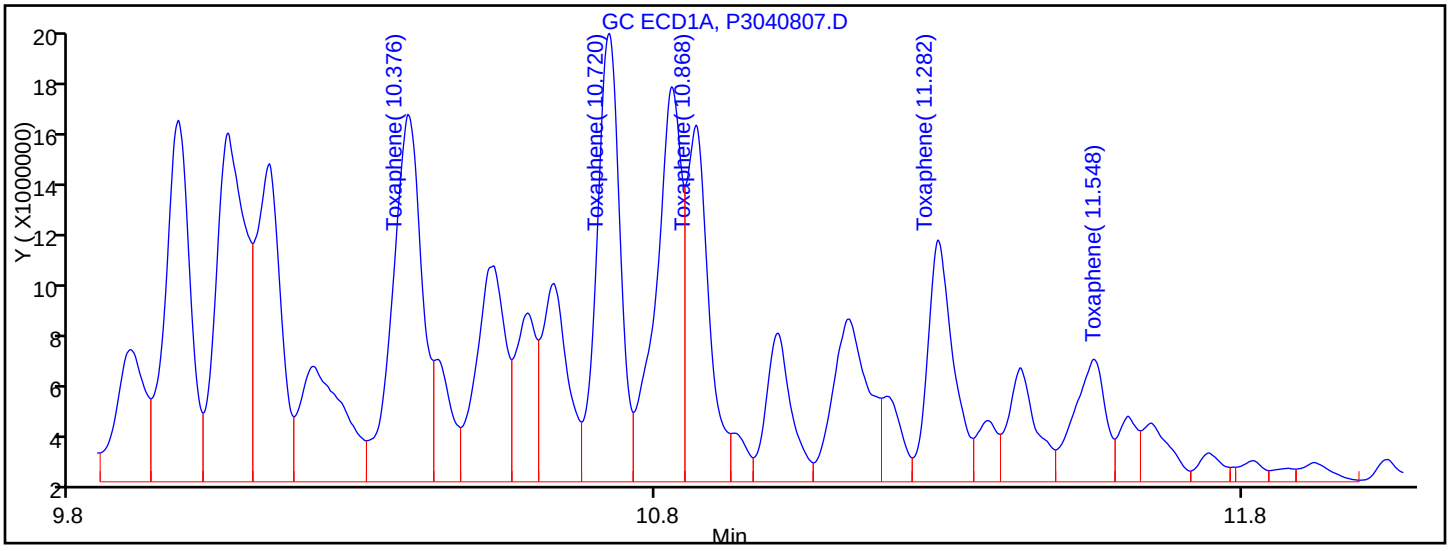
Injection Date:	08-Apr-2013 14:53:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.376	Response = 47063947	M
RT = 10.720	Response = 46090379	M
RT = 10.868	Response = 34359138	M
RT = 11.282	Response = 27159695	M
RT = 11.548	Response = 16588742	M



Manual Integration Results

RT = 10.376	Response = 49902466	M
RT = 10.720	Response = 47935319	M
RT = 10.868	Response = 35851062	M
RT = 11.282	Response = 28707391	M
RT = 11.548	Response = 17822107	M

Reviewer: shockr, 09-Apr-2013 09:10:12

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/7 Calibration Date: 04/08/2013 14:53

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040807.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	18756980		1.11	1.00	11.1	20.0
Toxaphene Peak 2	Ave	21534081	24462753		1.14	1.00	13.6	20.0
Toxaphene Peak 3	Ave	26029451	26921230		1.03	1.00	3.4	20.0
Toxaphene Peak 4	Ave	30315481	28084801		0.926	1.00	-7.4	20.0
Toxaphene Peak 5	Ave	12222975	10363180		0.848	1.00	-15.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/7 Calibration Date: 04/08/2013 14:53

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040807.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.53	10.50	10.56
Toxaphene Peak 2	11.12	11.09	11.15
Toxaphene Peak 3	11.53	11.50	11.56
Toxaphene Peak 4	12.27	12.24	12.30
Toxaphene Peak 5	12.83	12.80	12.86

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040807.D		
Lims ID:	CCV TOX3	Client ID:	
Inject. Date:	08-Apr-2013 14:53:29	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018656-007		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	81016	Lims Sample ID:	7
Sublist:	chrom-PEST3*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:33	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

First Level Reviewer: shockr Date: 09-Apr-2013 09:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.376	10.376	0.000	49902466	1.02		100.0	M
1	2	10.720	10.720	0.000	47935319	0.9626	81.1- 121.1	96.1	M
1	3	10.868	10.868	0.000	35851062	0.8741	65.0- 105.0	71.8	M
1	4	11.282	11.282	0.000	28707391	0.9208	43.1- 83.1	57.5	M
1	5	11.548	11.548	0.000	17822107	0.6813	32.5- 72.5	35.7	M
			Average of Peak Amounts =			0.8917			
2	100	10.528	10.528	0.000	18756980	1.11		100.0	M
2	2	11.116	11.116	0.000	24462753	1.14	108.3- 148.3	130.4	M
2	3	11.531	11.531	0.000	26921230	1.03	134.7- 174.7	143.5	M
2	4	12.270	12.270	0.000	28084801	0.9264	157.2- 197.2	149.7	M
2	5	12.828	12.828	0.000	10363180	0.8478	51.7- 91.7	55.2	M
			Average of Peak Amounts =			1.01			
						RPD = 12.56			

QC Flag Legend

Review Flags
M - Manually Integrated

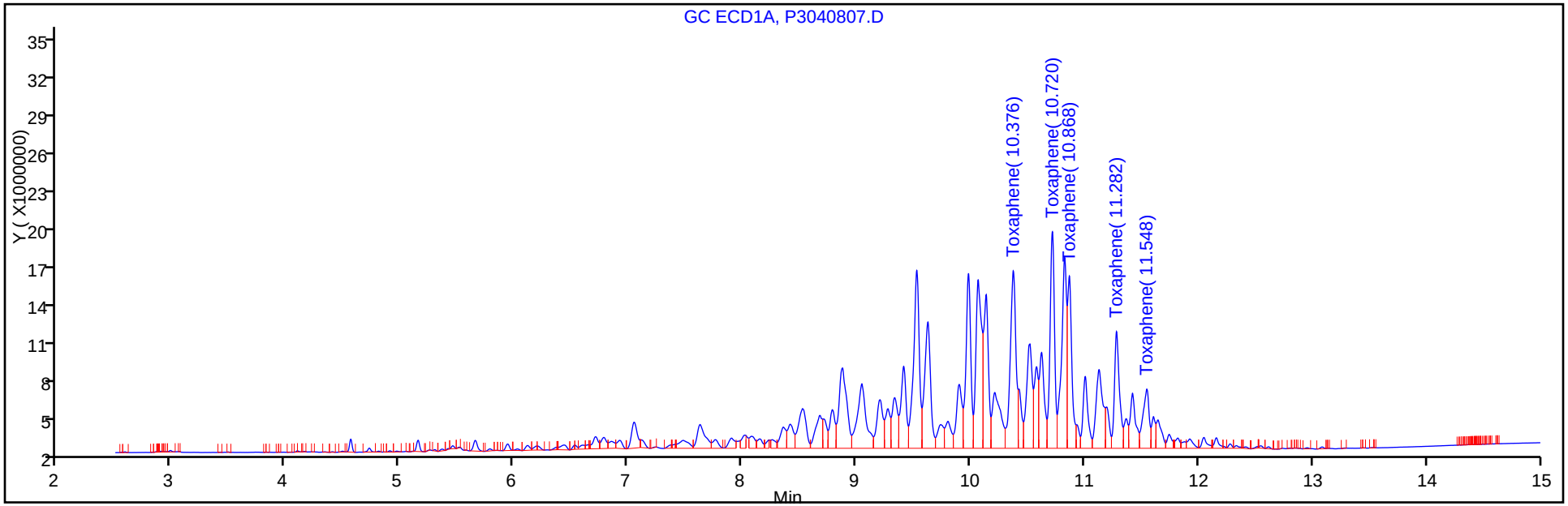
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TestAmerica Canton

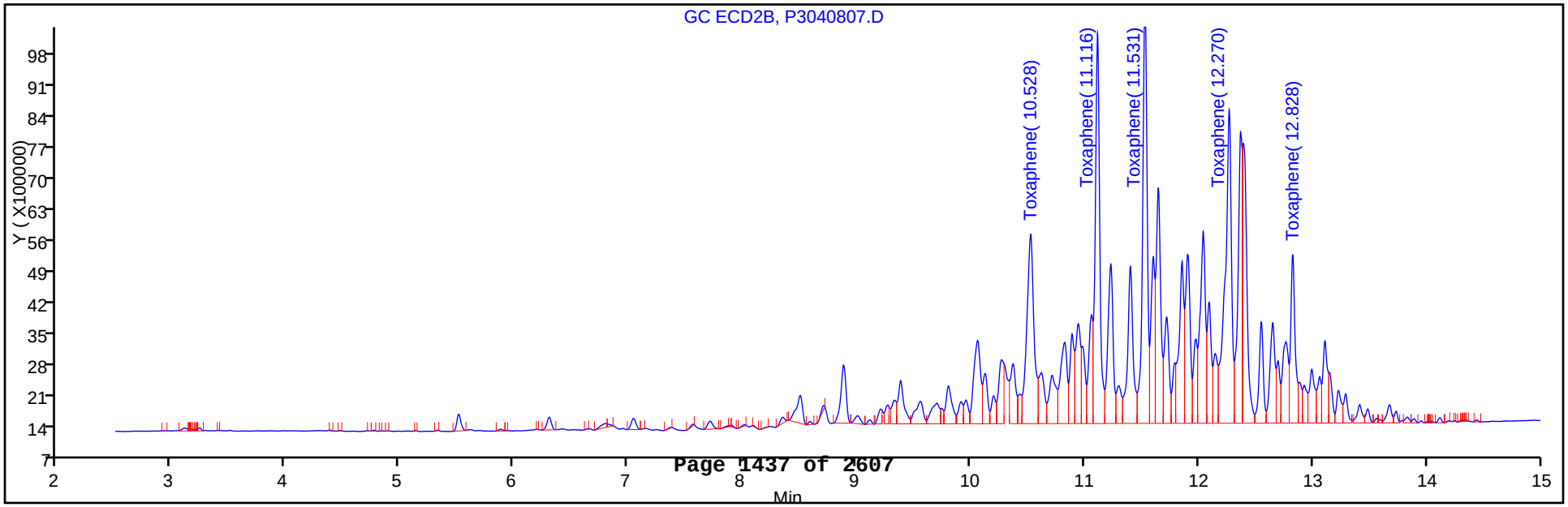
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Injection Date:	08-Apr-2013 14:53:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



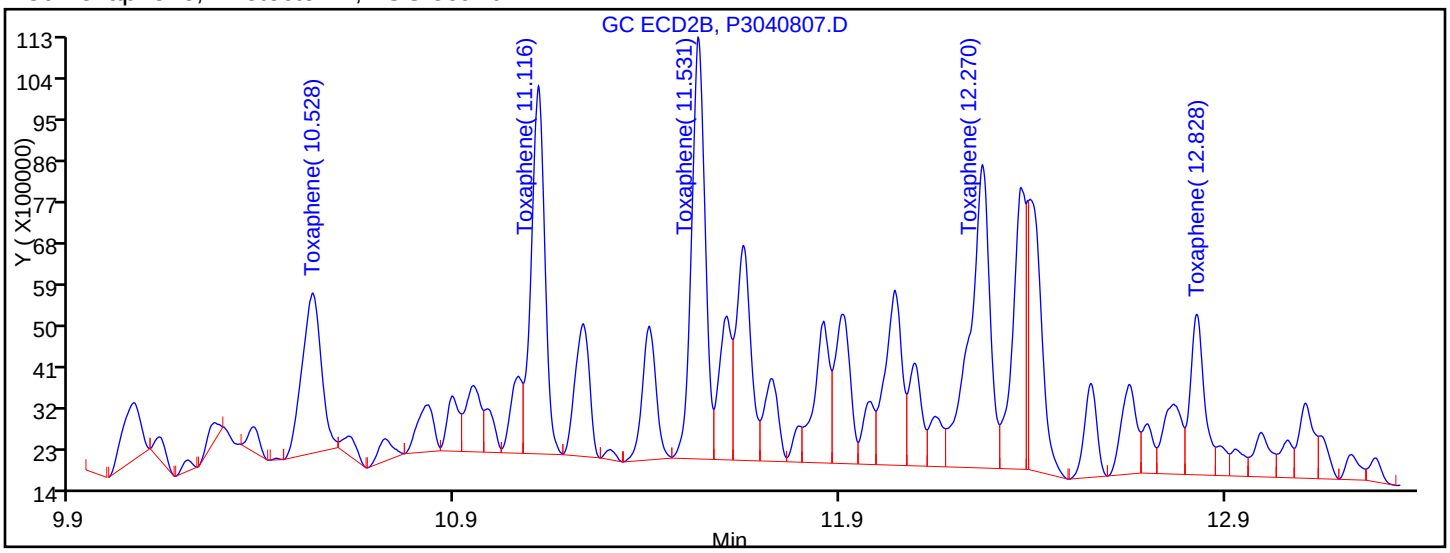
Report Date: 09-Apr-2013 09:28:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040807.D

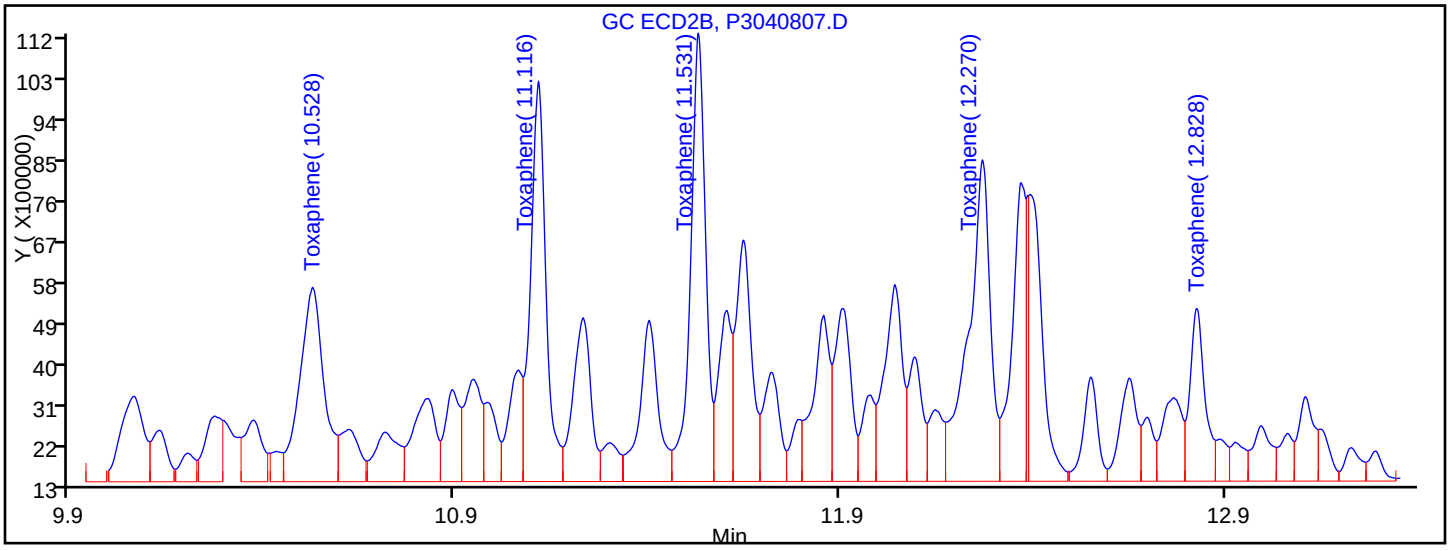
Injection Date:	08-Apr-2013 14:53:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.528	Response = 12220306	M
RT = 11.116	Response = 19779759	M
RT = 11.531	Response = 22668168	M
RT = 12.270	Response = 24270623	M
RT = 12.828	Response = 8983780	M



Manual Integration Results

RT = 10.528	Response = 18756980	M
RT = 11.116	Response = 24462753	M
RT = 11.531	Response = 26921230	M
RT = 12.270	Response = 28084801	M
RT = 12.828	Response = 10363180	M

Reviewer: shockr, 09-Apr-2013 09:10:12

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/12 Calibration Date: 04/08/2013 16:34

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: P3040812.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1652242560		0.0254	0.0250	1.8	20.0
gamma-BHC (Lindane)	Ave	1455203462	1482302760		0.0255	0.0250	1.9	20.0
beta-BHC	Ave	618486639	630329600		0.0255	0.0250	1.9	20.0
delta-BHC	Ave	1480196914	1408943960		0.0238	0.0250	-4.8	20.0
Heptachlor	Ave	1288059053	1382726720		0.0268	0.0250	7.3	20.0
Aldrin	Ave	1359987606	1368075080		0.0251	0.0250	0.6	20.0
Heptachlor epoxide	Ave	1229987574	1262647160		0.0257	0.0250	2.7	20.0
gamma-Chlordane	Ave	1263492565	1283285960		0.0254	0.0250	1.6	20.0
alpha-Chlordane	Ave	1289702829	1317417600		0.0255	0.0250	2.1	20.0
Endosulfan I	Ave	1152636801	1181631400		0.0256	0.0250	2.5	20.0
4,4'-DDE	Ave	1266505227	1247521480		0.0246	0.0250	-1.5	20.0
Dieldrin	Ave	1268423751	1285969840		0.0253	0.0250	1.4	20.0
Endrin	Ave	1189138903	1257445720		0.0264	0.0250	5.7	20.0
4,4'-DDD	Ave	970323691	1046267400		0.0270	0.0250	7.8	20.0
Endosulfan II	Ave	1094573989	1125777160		0.0257	0.0250	2.9	20.0
4,4'-DDT	Ave	922210777	942042520		0.0255	0.0250	2.2	20.0
Endrin aldehyde	Ave	880698493	900626440		0.0256	0.0250	2.3	20.0
Methoxychlor	Ave	461419504	497371200		0.0269	0.0250	7.8	20.0
Endosulfan sulfate	Ave	981061458	984601600		0.0251	0.0250	0.4	20.0
Endrin ketone	Ave	1144648217	1202960280		0.0263	0.0250	5.1	20.0
Tetrachloro-m-xylene	Ave	1100163513	1034783120		0.0235	0.0250	-5.9	20.0
DCB Decachlorobiphenyl	Ave	960238458	915351400		0.0238	0.0250	-4.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/12 Calibration Date: 04/08/2013 16:34

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: P3040812.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.25	4.22	4.28
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.77	4.74	4.80
delta-BHC	4.99	4.96	5.02
Heptachlor	5.29	5.26	5.32
Aldrin	5.75	5.72	5.78
Heptachlor epoxide	7.02	6.99	7.05
gamma-Chlordane	7.34	7.31	7.37
alpha-Chlordane	7.68	7.65	7.71
Endosulfan I	7.95	7.92	7.98
4,4'-DDE	8.05	8.02	8.08
Dieldrin	8.50	8.47	8.53
Endrin	8.95	8.92	8.98
4,4'-DDD	9.31	9.28	9.34
Endosulfan II	9.40	9.37	9.43
4,4'-DDT	9.83	9.80	9.86
Endrin aldehyde	10.19	10.16	10.22
Methoxychlor	10.77	10.74	10.80
Endosulfan sulfate	10.91	10.88	10.94
Endrin ketone	11.31	11.28	11.34
Tetrachloro-m-xylene	3.56	3.53	3.59
DCB Decachlorobiphenyl	12.92	12.89	12.95

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040812.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 16:34:26 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-012
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 81016 Lims Sample ID: 12
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:17:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.561	3.561	0.000	25869578	0.0235			
2	100	4.183	4.183	0.000	13317666	0.0221			
						RPD = 6.42			
5 alpha-BHC									
1	100	4.251	4.251	0.000	41306064	0.0254			
2	100	5.071	5.071	0.000	20326769	0.0264			
						RPD = 3.71			
20 gamma-BHC (Lindane)									
1	100	4.638	4.638	0.000	37057569	0.0255			
2	100	5.689	5.689	0.000	18101896	0.0267			
						RPD = 4.87			
7 beta-BHC									
1	100	4.773	4.773	0.000	15758240	0.0255			
2	100	5.885	5.885	0.000	7936338	0.0268			
						RPD = 5.20			
11 delta-BHC									
1	100	4.993	4.993	0.000	35223599	0.0238			
2	100	6.508	6.508	0.000	17067836	0.0245			
						RPD = 3.06			
22 Heptachlor									
1	100	5.285	5.285	0.000	34568168	0.0268			
2	100	6.576	6.576	0.000	15597711	0.0268			
						RPD = 0.31			
4 Aldrin									
1	100	5.752	5.752	0.000	34201877	0.0251			
2	100	7.373	7.373	0.000	16885333	0.0254			
						RPD = 0.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.023	7.023	0.000	31566179	0.0257			
2	100	8.818	8.818	0.000	15169360	0.0261			
						RPD = 1.66			
21 gamma-Chlordane									
1	100	7.338	7.338	0.000	32082149	0.0254			
2	100	9.208	9.208	0.000	15345522	0.0262			
						RPD = 2.98			
6 alpha-Chlordane									
1	100	7.682	7.682	0.000	32935440	0.0255			
2	100	9.509	9.509	0.000	14977037	0.0245			
						RPD = 3.99			
14 Endosulfan I									
1	100	7.953	7.953	0.000	29540785	0.0256			
2	100	9.577	9.577	0.000	13481386	0.0254			
						RPD = 1.00			
2 4,4'-DDE									
1	100	8.045	8.045	0.000	31188037	0.0246			
2	100	9.940	9.940	0.000	15002559	0.0246			
						RPD = 0.10			
13 Dieldrin									
1	100	8.504	8.504	0.000	32149246	0.0253			
2	100	10.092	10.092	0.000	15271158	0.0257			
						RPD = 1.36			
17 Endrin									
1	100	8.954	8.954	0.000	31436143	0.0264			
2	100	10.606	10.606	0.000	14409959	0.0269			
						RPD = 1.72			
1 4,4'-DDD									
1	100	9.308	9.308	0.000	26156685	0.0270			
2	100	10.930	10.930	0.000	11788709	0.0276			
						RPD = 2.26			
15 Endosulfan II									
1	100	9.400	9.400	0.000	28144429	0.0257			
2	100	10.973	10.973	0.000	13354036	0.0275			
						RPD = 6.74			
3 4,4'-DDT									
1	100	9.826	9.826	0.000	23551063	0.0255			
2	100	11.408	11.408	0.000	9692166	0.0245			
						RPD = 4.13			
18 Endrin aldehyde									
1	100	10.192	10.192	0.000	22515661	0.0256			
2	100	11.528	11.528	0.000	10652198	0.0270			
						RPD = 5.32			
27 Methoxychlor									M
1	100	10.770	10.770	0.000	12434280	0.0269			M
2	100	12.479	12.479	0.000	5329665	0.0267			
						RPD = 0.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.913	10.913	0.000	24615040	0.0251			
2	100	11.943	11.943	0.000	11050994	0.0250			
						RPD = 0.40			
19 Endrin ketone									
1	100	11.313	11.313	0.000	30074007	0.0263			
2	100	12.692	12.692	0.000	13668827	0.0273			
						RPD = 3.66			
$ 10 DCB Decachlorobiphenyl									
1	100	12.918	12.918	0.000	22883785	0.0238			
2	100	14.400	14.400	0.000	11884777	0.0247			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

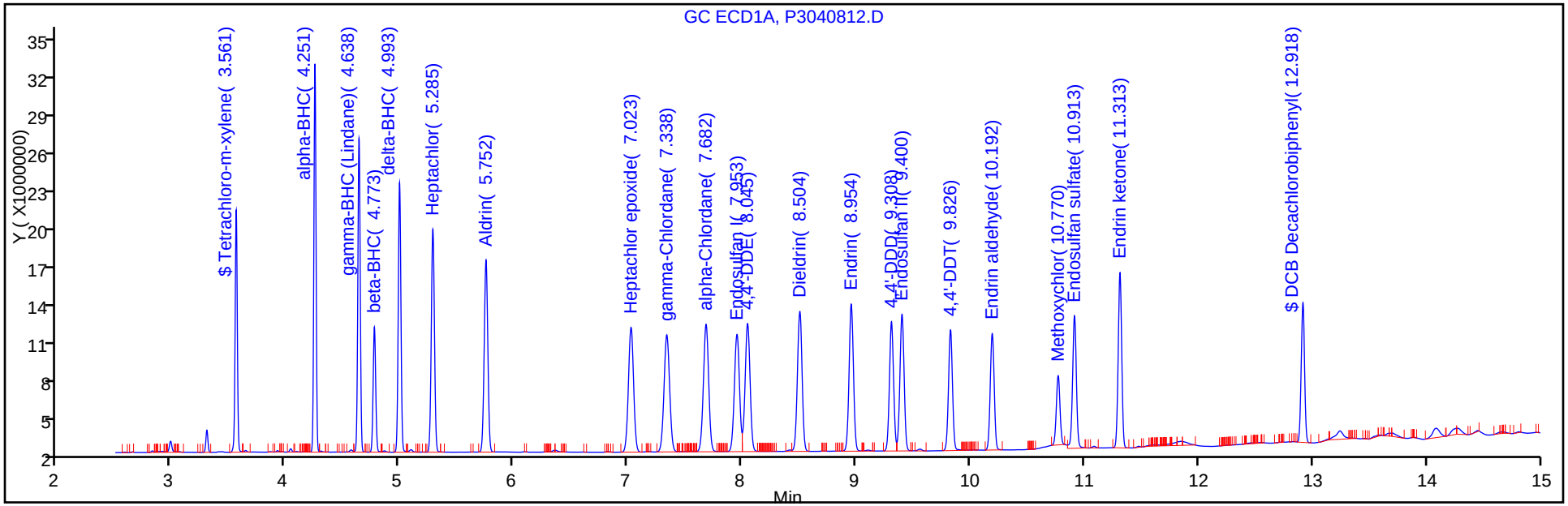
Report Date: 09-Apr-2013 09:28:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

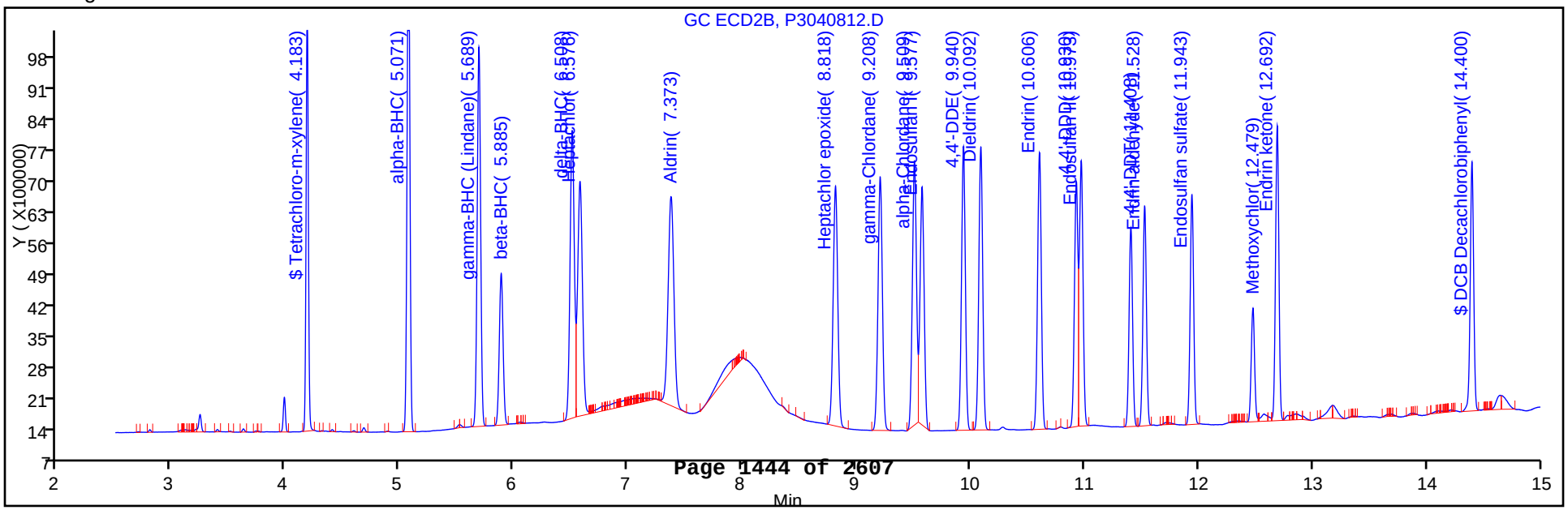
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Injection Date:	08-Apr-2013 16:34:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

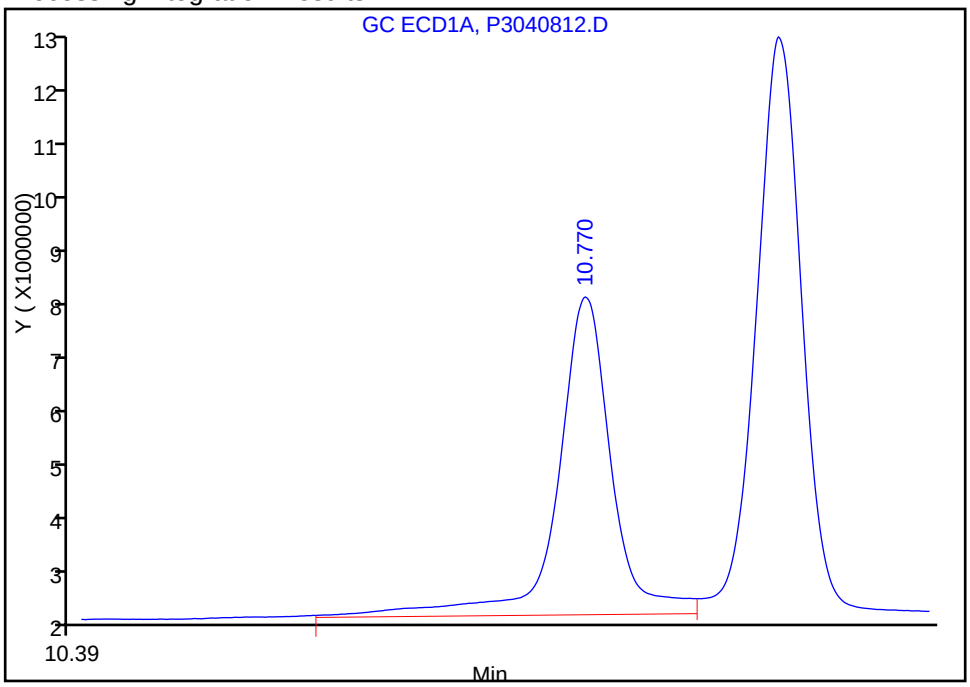
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040812.D		
Injection Date:	08-Apr-2013 16:34:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

27 Methoxychlor, Signal: 1, Type: quant, RT: 10.77, Det: GC ECD1A

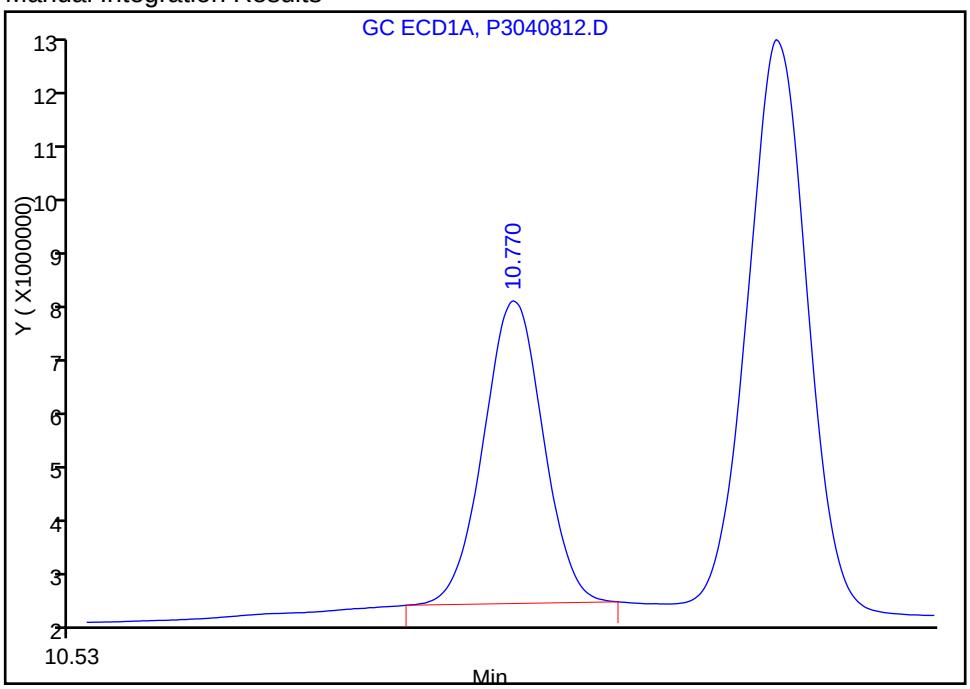
Processing Integration Results

RT: 10.77
Response: 16240867
Amount: 0.035198



Manual Integration Results

RT: 10.77
Response: 12434280
Amount: 0.026948



Reviewer: shockr, 09-Apr-2013 09:17:18
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/12 Calibration Date: 04/08/2013 16:34

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: P3040812.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	813070760		0.0264	0.0250	5.6	20.0
gamma-BHC (Lindane)	Ave	677058072	724075840		0.0267	0.0250	6.9	20.0
beta-BHC	Ave	295707343	317453520		0.0268	0.0250	7.4	20.0
delta-BHC	Ave	695621800	682713440		0.0245	0.0250	-1.9	20.0
Heptachlor	Ave	582970513	623908440		0.0268	0.0250	7.0	20.0
Aldrin	Ave	666083583	675413320		0.0254	0.0250	1.4	20.0
Heptachlor epoxide	Ave	581320598	606774400		0.0261	0.0250	4.4	20.0
gamma-Chlordane	Ave	586604093	613820880		0.0262	0.0250	4.6	20.0
alpha-Chlordane	Ave	610326008	599081480		0.0245	0.0250	-1.8	20.0
Endosulfan I	Ave	531325762	539255440		0.0254	0.0250	1.5	20.0
4,4'-DDE	Ave	609850598	600102360		0.0246	0.0250	-1.6	20.0
Dieldrin	Ave	594383876	610846320		0.0257	0.0250	2.8	20.0
Endrin	Ave	535793583	576398360		0.0269	0.0250	7.6	20.0
4,4'-DDD	Ave	427546511	471548360		0.0276	0.0250	10.3	20.0
Endosulfan II	Ave	485472127	534161440		0.0275	0.0250	10.0	20.0
4,4'-DDT	Ave	395546624	387686640		0.0245	0.0250	-2.0	20.0
Endrin aldehyde	Ave	395073591	426087920		0.0270	0.0250	7.9	20.0
Endosulfan sulfate	Ave	442236050	442039760		0.0250	0.0250	-0.0	20.0
Methoxychlor	Ave	199518519	213186600		0.0267	0.0250	6.9	20.0
Endrin ketone	Ave	501538938	546753080		0.0273	0.0250	9.0	20.0
Tetrachloro-m-xylene	Ave	603960426	532706640		0.0221	0.0250	-11.8	20.0
DCB Decachlorobiphenyl	Ave	480698861	475391080		0.0247	0.0250	-1.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/12 Calibration Date: 04/08/2013 16:34

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: P3040812.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.89	5.86	5.92
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.37	7.34	7.40
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.58	9.55	9.61
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.61	10.58	10.64
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.97	10.94	11.00
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.94	11.91	11.97
Methoxychlor	12.48	12.45	12.51
Endrin ketone	12.69	12.66	12.72
Tetrachloro-m-xylene	4.18	4.15	4.21
DCB Decachlorobiphenyl	14.40	14.37	14.43

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040812.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 16:34:26 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-012
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 81016 Lims Sample ID: 12
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:17:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.561	3.561	0.000	25869578	0.0235			
2	100	4.183	4.183	0.000	13317666	0.0221			
						RPD = 6.42			
5 alpha-BHC									
1	100	4.251	4.251	0.000	41306064	0.0254			
2	100	5.071	5.071	0.000	20326769	0.0264			
						RPD = 3.71			
20 gamma-BHC (Lindane)									
1	100	4.638	4.638	0.000	37057569	0.0255			
2	100	5.689	5.689	0.000	18101896	0.0267			
						RPD = 4.87			
7 beta-BHC									
1	100	4.773	4.773	0.000	15758240	0.0255			
2	100	5.885	5.885	0.000	7936338	0.0268			
						RPD = 5.20			
11 delta-BHC									
1	100	4.993	4.993	0.000	35223599	0.0238			
2	100	6.508	6.508	0.000	17067836	0.0245			
						RPD = 3.06			
22 Heptachlor									
1	100	5.285	5.285	0.000	34568168	0.0268			
2	100	6.576	6.576	0.000	15597711	0.0268			
						RPD = 0.31			
4 Aldrin									
1	100	5.752	5.752	0.000	34201877	0.0251			
2	100	7.373	7.373	0.000	16885333	0.0254			
						RPD = 0.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.023	7.023	0.000	31566179	0.0257			
2	100	8.818	8.818	0.000	15169360	0.0261			
						RPD = 1.66			
21 gamma-Chlordane									
1	100	7.338	7.338	0.000	32082149	0.0254			
2	100	9.208	9.208	0.000	15345522	0.0262			
						RPD = 2.98			
6 alpha-Chlordane									
1	100	7.682	7.682	0.000	32935440	0.0255			
2	100	9.509	9.509	0.000	14977037	0.0245			
						RPD = 3.99			
14 Endosulfan I									
1	100	7.953	7.953	0.000	29540785	0.0256			
2	100	9.577	9.577	0.000	13481386	0.0254			
						RPD = 1.00			
2 4,4'-DDE									
1	100	8.045	8.045	0.000	31188037	0.0246			
2	100	9.940	9.940	0.000	15002559	0.0246			
						RPD = 0.10			
13 Dieldrin									
1	100	8.504	8.504	0.000	32149246	0.0253			
2	100	10.092	10.092	0.000	15271158	0.0257			
						RPD = 1.36			
17 Endrin									
1	100	8.954	8.954	0.000	31436143	0.0264			
2	100	10.606	10.606	0.000	14409959	0.0269			
						RPD = 1.72			
1 4,4'-DDD									
1	100	9.308	9.308	0.000	26156685	0.0270			
2	100	10.930	10.930	0.000	11788709	0.0276			
						RPD = 2.26			
15 Endosulfan II									
1	100	9.400	9.400	0.000	28144429	0.0257			
2	100	10.973	10.973	0.000	13354036	0.0275			
						RPD = 6.74			
3 4,4'-DDT									
1	100	9.826	9.826	0.000	23551063	0.0255			
2	100	11.408	11.408	0.000	9692166	0.0245			
						RPD = 4.13			
18 Endrin aldehyde									
1	100	10.192	10.192	0.000	22515661	0.0256			
2	100	11.528	11.528	0.000	10652198	0.0270			
						RPD = 5.32			
27 Methoxychlor									M
1	100	10.770	10.770	0.000	12434280	0.0269			M
2	100	12.479	12.479	0.000	5329665	0.0267			
						RPD = 0.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.913	10.913	0.000	24615040	0.0251			
2	100	11.943	11.943	0.000	11050994	0.0250			
						RPD = 0.40			
19 Endrin ketone									
1	100	11.313	11.313	0.000	30074007	0.0263			
2	100	12.692	12.692	0.000	13668827	0.0273			
						RPD = 3.66			
$ 10 DCB Decachlorobiphenyl									
1	100	12.918	12.918	0.000	22883785	0.0238			
2	100	14.400	14.400	0.000	11884777	0.0247			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

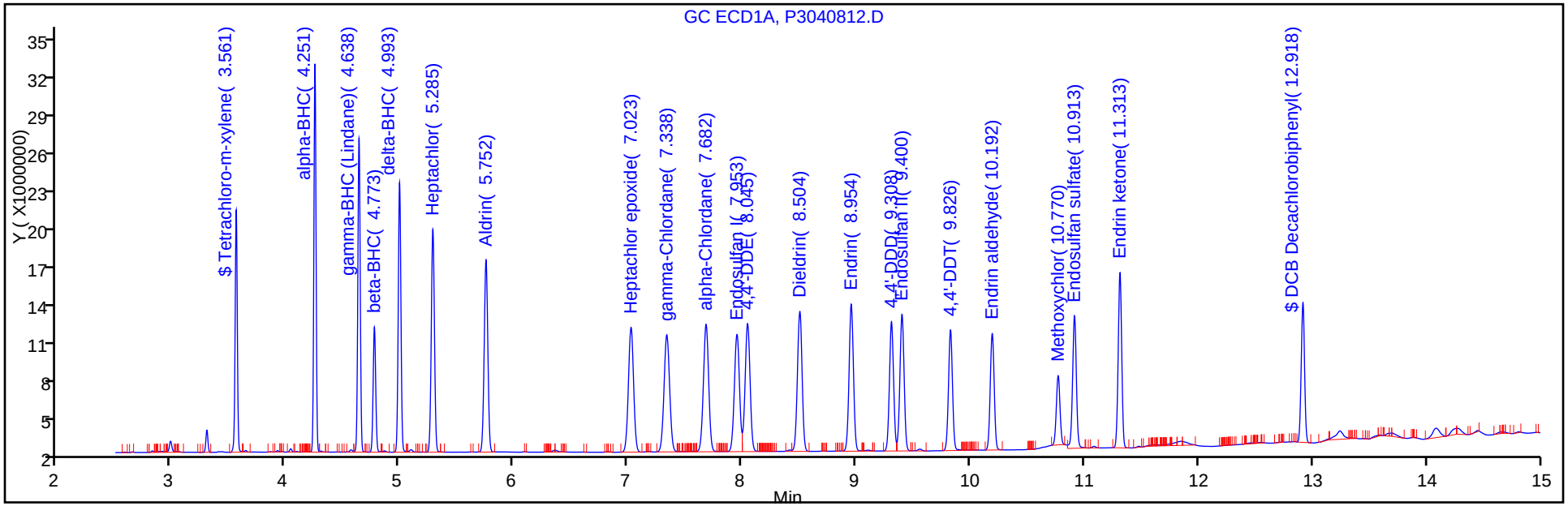
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TestAmerica Canton

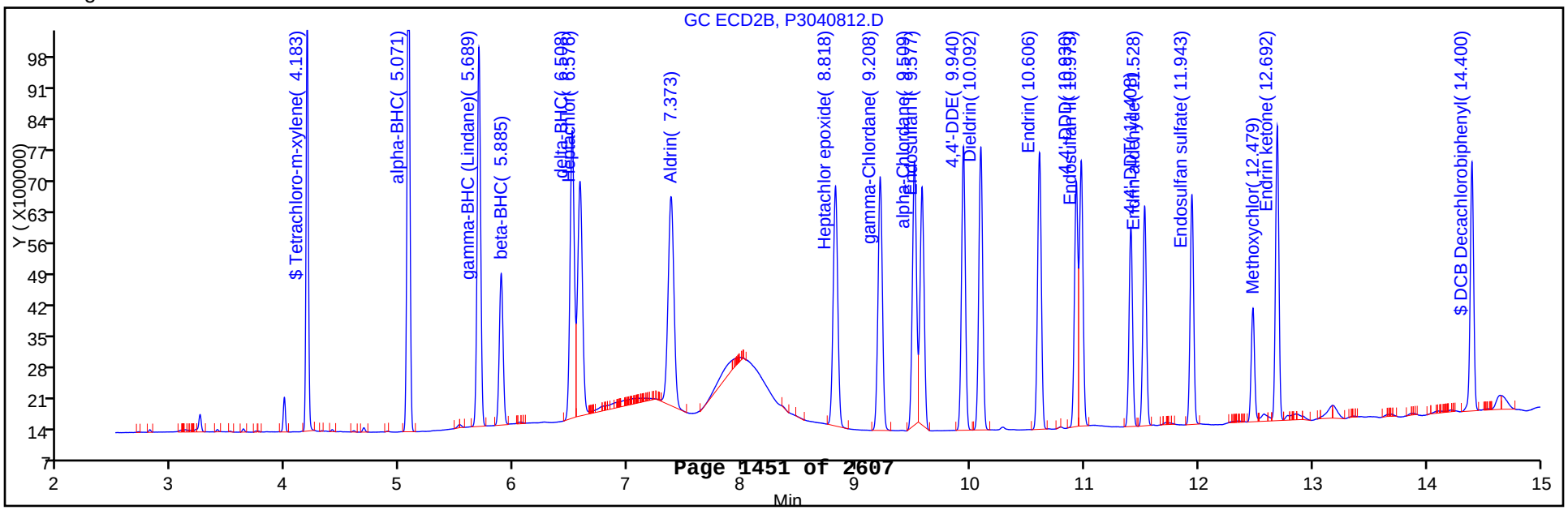
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Injection Date:	08-Apr-2013 16:34:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/22 Calibration Date: 04/08/2013 19:55

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: P3040822.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1693976760		0.0261	0.0250	4.3	20.0
gamma-BHC (Lindane)	Ave	1455203462	1524998000		0.0262	0.0250	4.8	20.0
beta-BHC	Ave	618486639	648273560		0.0262	0.0250	4.8	20.0
delta-BHC	Ave	1480196914	1410368520		0.0238	0.0250	-4.7	20.0
Heptachlor	Ave	1288059053	1410850920		0.0274	0.0250	9.5	20.0
Aldrin	Ave	1359987606	1395949200		0.0257	0.0250	2.6	20.0
Heptachlor epoxide	Ave	1229987574	1303239360		0.0265	0.0250	6.0	20.0
gamma-Chlordane	Ave	1263492565	1322676280		0.0262	0.0250	4.7	20.0
alpha-Chlordane	Ave	1289702829	1345352640		0.0261	0.0250	4.3	20.0
Endosulfan I	Ave	1152636801	1219633040		0.0265	0.0250	5.8	20.0
4,4'-DDE	Ave	1266505227	1292521000		0.0255	0.0250	2.1	20.0
Dieldrin	Ave	1268423751	1329407680		0.0262	0.0250	4.8	20.0
Endrin	Ave	1189138903	1302084600		0.0274	0.0250	9.5	20.0
4,4'-DDD	Ave	970323691	1119328000		0.0288	0.0250	15.4	20.0
Endosulfan II	Ave	1094573989	1156659560		0.0264	0.0250	5.7	20.0
4,4'-DDT	Ave	922210777	891898320		0.0242	0.0250	-3.3	20.0
Endrin aldehyde	Ave	880698493	910024520		0.0258	0.0250	3.3	20.0
Methoxychlor	Ave	461419504	498676680		0.0270	0.0250	8.1	20.0
Endosulfan sulfate	Ave	981061458	955125600		0.0243	0.0250	-2.6	20.0
Endrin ketone	Ave	1144648217	1213586200		0.0265	0.0250	6.0	20.0
Tetrachloro-m-xylene	Ave	1100163513	1060093760		0.0241	0.0250	-3.6	20.0
DCB Decachlorobiphenyl	Ave	960238458	951301400		0.0248	0.0250	-0.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/22 Calibration Date: 04/08/2013 19:55

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: P3040822.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.25	4.22	4.28
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.77	4.74	4.80
delta-BHC	4.99	4.96	5.02
Heptachlor	5.28	5.25	5.31
Aldrin	5.75	5.72	5.78
Heptachlor epoxide	7.02	6.99	7.05
gamma-Chlordane	7.34	7.31	7.37
alpha-Chlordane	7.68	7.65	7.71
Endosulfan I	7.95	7.92	7.98
4,4'-DDE	8.04	8.01	8.07
Dieldrin	8.50	8.47	8.53
Endrin	8.95	8.92	8.98
4,4'-DDD	9.31	9.28	9.34
Endosulfan II	9.40	9.37	9.43
4,4'-DDT	9.82	9.79	9.85
Endrin aldehyde	10.19	10.16	10.22
Methoxychlor	10.77	10.74	10.80
Endosulfan sulfate	10.91	10.88	10.94
Endrin ketone	11.31	11.28	11.34
Tetrachloro-m-xylene	3.56	3.53	3.59
DCB Decachlorobiphenyl	12.91	12.88	12.94

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040822.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 19:55:57 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 81016 Lims Sample ID: 22
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:44 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	26502344	0.0241			
2	100	4.182	4.182	0.000	13703462	0.0227			
						RPD = 5.99			
5 alpha-BHC									
1	100	4.250	4.250	0.000	42349419	0.0261			
2	100	5.070	5.070	0.000	21061895	0.0274			
						RPD = 4.77			
20 gamma-BHC (Lindane)									
1	100	4.636	4.636	0.000	38124950	0.0262			
2	100	5.688	5.688	0.000	18794288	0.0278			
						RPD = 5.78			
7 beta-BHC									
1	100	4.771	4.771	0.000	16206839	0.0262			
2	100	5.883	5.883	0.000	8275016	0.0280			
						RPD = 6.57			
11 delta-BHC									
1	100	4.991	4.991	0.000	35259213	0.0238			
2	100	6.505	6.505	0.000	17383823	0.0250			
						RPD = 4.79			
22 Heptachlor									
1	100	5.284	5.284	0.000	35271273	0.0274			
2	100	6.575	6.575	0.000	16093389	0.0276			
						RPD = 0.81			
4 Aldrin									
1	100	5.749	5.749	0.000	34898730	0.0257			
2	100	7.373	7.373	0.000	17450133	0.0262			
						RPD = 2.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.020	7.020	0.000	32580984	0.0265			
2	100	8.815	8.815	0.000	15880182	0.0273			
						RPD = 3.08			
21 gamma-Chlordane									
1	100	7.335	7.335	0.000	33066907	0.0262			
2	100	9.207	9.207	0.000	15967963	0.0272			
						RPD = 3.93			
6 alpha-Chlordane									
1	100	7.677	7.677	0.000	33633816	0.0261			
2	100	9.506	9.506	0.000	16096683	0.0264			
						RPD = 1.13			
14 Endosulfan I									
1	100	7.950	7.950	0.000	30490826	0.0265			
2	100	9.574	9.574	0.000	14605972	0.0275			
						RPD = 3.84			
2 4,4'-DDE									
1	100	8.042	8.042	0.000	32313025	0.0255			
2	100	9.937	9.937	0.000	15526547	0.0255			
						RPD = 0.21			
13 Dieldrin									
1	100	8.502	8.502	0.000	33235192	0.0262			
2	100	10.089	10.089	0.000	15795075	0.0266			
						RPD = 1.41			
17 Endrin									
1	100	8.952	8.952	0.000	32552115	0.0274			
2	100	10.604	10.604	0.000	15015305	0.0280			
						RPD = 2.35			
1 4,4'-DDD									
1	100	9.305	9.305	0.000	27983200	0.0288			
2	100	10.926	10.926	0.000	12709217	0.0297			
						RPD = 3.03			
15 Endosulfan II									
1	100	9.398	9.398	0.000	28916489	0.0264			
2	100	10.970	10.970	0.000	13702093	0.0282			
						RPD = 6.61			
3 4,4'-DDT									
1	100	9.823	9.823	0.000	22297458	0.0242			
2	100	11.405	11.405	0.000	9449651	0.0239			
						RPD = 1.20			
18 Endrin aldehyde									
1	100	10.188	10.188	0.000	22750613	0.0258			
2	100	11.527	11.527	0.000	10827782	0.0274			
						RPD = 5.91			
27 Methoxychlor									
1	100	10.765	10.765	0.000	12466917	0.0270			
2	100	12.475	12.475	0.000	5093787	0.0255			
						RPD = 5.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.910	10.910	0.000	23878140	0.0243			
2	100	11.940	11.940	0.000	11197116	0.0253			
						RPD = 3.95			
19 Endrin ketone									
1	100	11.308	11.308	0.000	30339655	0.0265			
2	100	12.689	12.689	0.000	13809300	0.0275			
						RPD = 3.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.913	12.913	0.000	23782535	0.0248			
2	100	14.397	14.397	0.000	11282351	0.0235			
						RPD = 5.38			

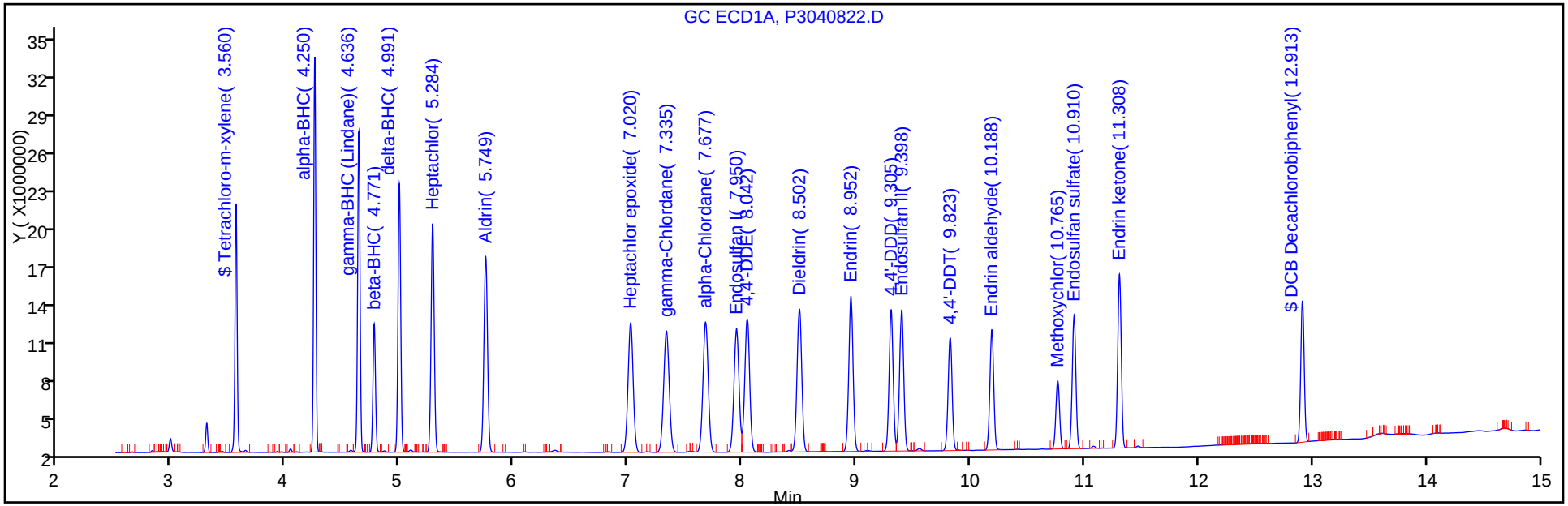
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TestAmerica Canton

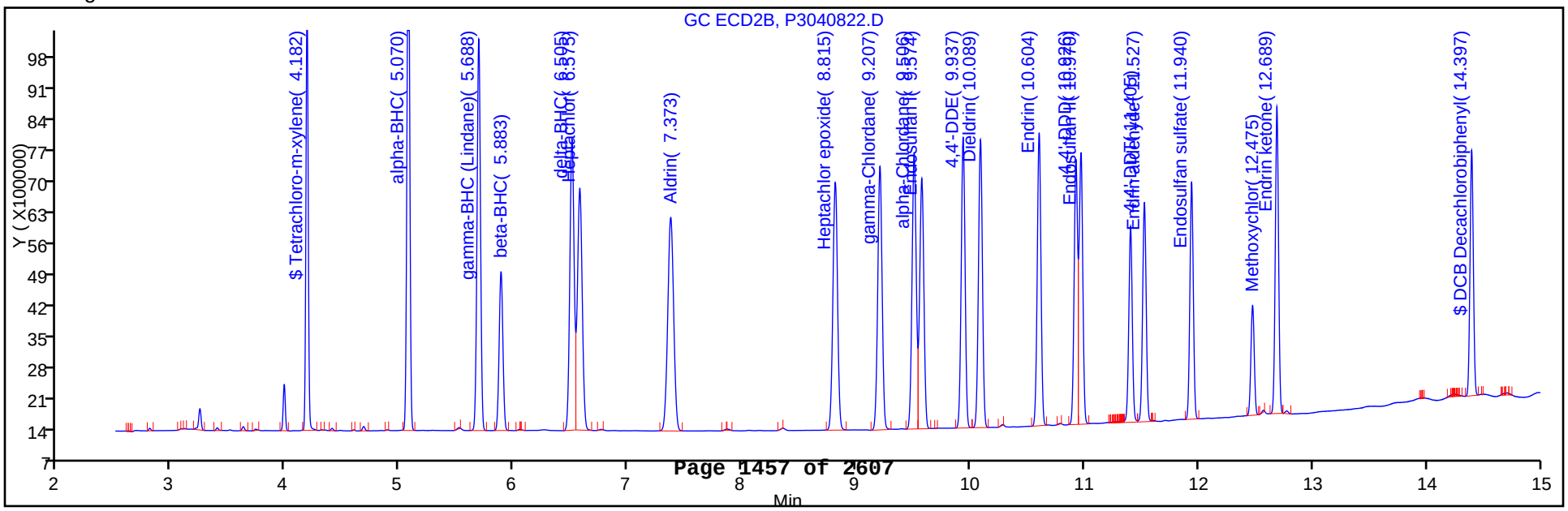
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040822.D

Injection Date:	08-Apr-2013 19:55:57	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	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 CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/22 Calibration Date: 04/08/2013 19:55

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: P3040822.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	842475800		0.0274	0.0250	9.4	20.0
gamma-BHC (Lindane)	Ave	677058072	751771520		0.0278	0.0250	11.0	20.0
beta-BHC	Ave	295707343	331000640		0.0280	0.0250	11.9	20.0
delta-BHC	Ave	695621800	695352920		0.0250	0.0250	-0.0	20.0
Heptachlor	Ave	582970513	643735560		0.0276	0.0250	10.4	20.0
Aldrin	Ave	666083583	698005320		0.0262	0.0250	4.8	20.0
Heptachlor epoxide	Ave	581320598	635207280		0.0273	0.0250	9.3	20.0
gamma-Chlordane	Ave	586604093	638718520		0.0272	0.0250	8.9	20.0
alpha-Chlordane	Ave	610326008	643867320		0.0264	0.0250	5.5	20.0
Endosulfan I	Ave	531325762	584238880		0.0275	0.0250	10.0	20.0
4,4'-DDE	Ave	609850598	621061880		0.0255	0.0250	1.8	20.0
Dieldrin	Ave	594383876	631803000		0.0266	0.0250	6.3	20.0
Endrin	Ave	535793583	600612200		0.0280	0.0250	12.1	20.0
4,4'-DDD	Ave	427546511	508368680		0.0297	0.0250	18.9	20.0
Endosulfan II	Ave	485472127	548083720		0.0282	0.0250	12.9	20.0
4,4'-DDT	Ave	395546624	377986040		0.0239	0.0250	-4.4	20.0
Endrin aldehyde	Ave	395073591	433111280		0.0274	0.0250	9.6	20.0
Endosulfan sulfate	Ave	442236050	447884640		0.0253	0.0250	1.3	20.0
Methoxychlor	Ave	199518519	203751480		0.0255	0.0250	2.1	20.0
Endrin ketone	Ave	501538938	552372000		0.0275	0.0250	10.1	20.0
Tetrachloro-m-xylene	Ave	603960426	548138480		0.0227	0.0250	-9.2	20.0
DCB Decachlorobiphenyl	Ave	480698861	451294040		0.0235	0.0250	-6.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/22 Calibration Date: 04/08/2013 19:55

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: P3040822.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.88	5.85	5.91
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.37	7.34	7.40
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.57	9.54	9.60
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.60	10.57	10.63
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.97	10.94	11.00
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.94	11.91	11.97
Methoxychlor	12.48	12.45	12.51
Endrin ketone	12.69	12.66	12.72
Tetrachloro-m-xylene	4.18	4.15	4.21
DCB Decachlorobiphenyl	14.40	14.37	14.43

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040822.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 08-Apr-2013 19:55:57 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 81016 Lims Sample ID: 22
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:44 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	26502344	0.0241			
2	100	4.182	4.182	0.000	13703462	0.0227			
						RPD = 5.99			
5 alpha-BHC									
1	100	4.250	4.250	0.000	42349419	0.0261			
2	100	5.070	5.070	0.000	21061895	0.0274			
						RPD = 4.77			
20 gamma-BHC (Lindane)									
1	100	4.636	4.636	0.000	38124950	0.0262			
2	100	5.688	5.688	0.000	18794288	0.0278			
						RPD = 5.78			
7 beta-BHC									
1	100	4.771	4.771	0.000	16206839	0.0262			
2	100	5.883	5.883	0.000	8275016	0.0280			
						RPD = 6.57			
11 delta-BHC									
1	100	4.991	4.991	0.000	35259213	0.0238			
2	100	6.505	6.505	0.000	17383823	0.0250			
						RPD = 4.79			
22 Heptachlor									
1	100	5.284	5.284	0.000	35271273	0.0274			
2	100	6.575	6.575	0.000	16093389	0.0276			
						RPD = 0.81			
4 Aldrin									
1	100	5.749	5.749	0.000	34898730	0.0257			
2	100	7.373	7.373	0.000	17450133	0.0262			
						RPD = 2.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.020	7.020	0.000	32580984	0.0265			
2	100	8.815	8.815	0.000	15880182	0.0273			
						RPD = 3.08			
21 gamma-Chlordane									
1	100	7.335	7.335	0.000	33066907	0.0262			
2	100	9.207	9.207	0.000	15967963	0.0272			
						RPD = 3.93			
6 alpha-Chlordane									
1	100	7.677	7.677	0.000	33633816	0.0261			
2	100	9.506	9.506	0.000	16096683	0.0264			
						RPD = 1.13			
14 Endosulfan I									
1	100	7.950	7.950	0.000	30490826	0.0265			
2	100	9.574	9.574	0.000	14605972	0.0275			
						RPD = 3.84			
2 4,4'-DDE									
1	100	8.042	8.042	0.000	32313025	0.0255			
2	100	9.937	9.937	0.000	15526547	0.0255			
						RPD = 0.21			
13 Dieldrin									
1	100	8.502	8.502	0.000	33235192	0.0262			
2	100	10.089	10.089	0.000	15795075	0.0266			
						RPD = 1.41			
17 Endrin									
1	100	8.952	8.952	0.000	32552115	0.0274			
2	100	10.604	10.604	0.000	15015305	0.0280			
						RPD = 2.35			
1 4,4'-DDD									
1	100	9.305	9.305	0.000	27983200	0.0288			
2	100	10.926	10.926	0.000	12709217	0.0297			
						RPD = 3.03			
15 Endosulfan II									
1	100	9.398	9.398	0.000	28916489	0.0264			
2	100	10.970	10.970	0.000	13702093	0.0282			
						RPD = 6.61			
3 4,4'-DDT									
1	100	9.823	9.823	0.000	22297458	0.0242			
2	100	11.405	11.405	0.000	9449651	0.0239			
						RPD = 1.20			
18 Endrin aldehyde									
1	100	10.188	10.188	0.000	22750613	0.0258			
2	100	11.527	11.527	0.000	10827782	0.0274			
						RPD = 5.91			
27 Methoxychlor									
1	100	10.765	10.765	0.000	12466917	0.0270			
2	100	12.475	12.475	0.000	5093787	0.0255			
						RPD = 5.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.910	10.910	0.000	23878140	0.0243			
2	100	11.940	11.940	0.000	11197116	0.0253			
						RPD = 3.95			
19 Endrin ketone									
1	100	11.308	11.308	0.000	30339655	0.0265			
2	100	12.689	12.689	0.000	13809300	0.0275			
						RPD = 3.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.913	12.913	0.000	23782535	0.0248			
2	100	14.397	14.397	0.000	11282351	0.0235			
						RPD = 5.38			

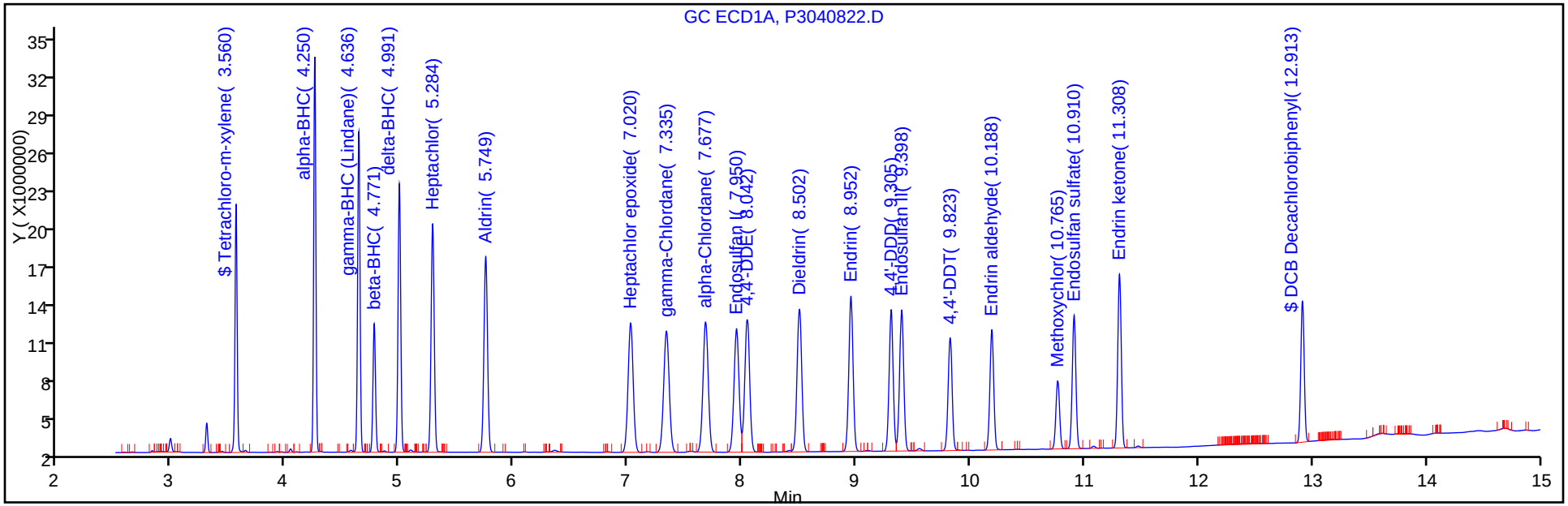
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TestAmerica Canton

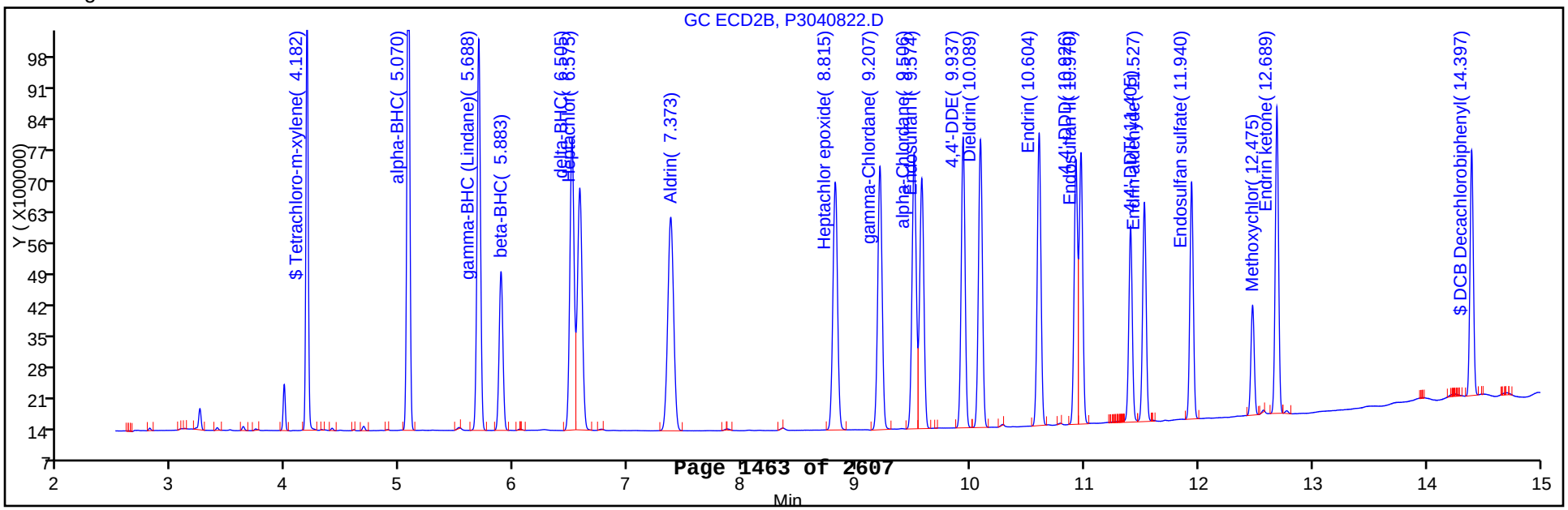
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040822.D

Injection Date:	08-Apr-2013 19:55:57	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	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 CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/24 Calibration Date: 04/08/2013 20:36

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040824.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	54004016		1.10	1.00	10.3	20.0
Toxaphene Peak 2	Ave	49795684	49345536		0.991	1.00	-0.9	20.0
Toxaphene Peak 3	Ave	41014572	39041612		0.952	1.00	-4.8	20.0
Toxaphene Peak 4	Ave	31176774	29240910		0.938	1.00	-6.2	20.0
Toxaphene Peak 5	Ave	26157631	18348955		0.701	1.00	-29.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/24 Calibration Date: 04/08/2013 20:36

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040824.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	10.72	10.69	10.75
Toxaphene Peak 3	10.87	10.84	10.90
Toxaphene Peak 4	11.28	11.25	11.31
Toxaphene Peak 5	11.55	11.52	11.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040824.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 08-Apr-2013 20:36:16 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-024
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 81016 Lims Sample ID: 24
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 11:10:42 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 11:10:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.378	10.378	0.000	54004016	1.10		100.0	M
1	2	10.720	10.720	0.000	49345536	0.99	81.1- 121.1	91.4	M
1	3	10.869	10.869	0.000	39041612	0.9519	65.0- 105.0	72.3	M
1	4	11.283	11.283	0.000	29240910	0.9379	43.1- 83.1	54.1	M
1	5	11.549	11.549	0.000	18348955	0.7015	32.5- 72.5	34.0	M
			Average of Peak Amounts =			0.9371			
2	100	10.529	10.529	0.000	20527893	1.22		100.0	M
2	2	11.115	11.115	0.000	25905688	1.20	108.3- 148.3	126.2	M
2	3	11.532	11.532	0.000	28762998	1.11	134.7- 174.7	140.1	M
2	4	12.273	12.273	0.000	29863275	0.9851	157.2- 197.2	145.5	M
2	5	12.830	12.830	0.000	11308593	0.9252	51.7- 91.7	55.1	M
			Average of Peak Amounts =			1.09			
						RPD = 14.80			

QC Flag Legend

Review Flags
M - Manually Integrated

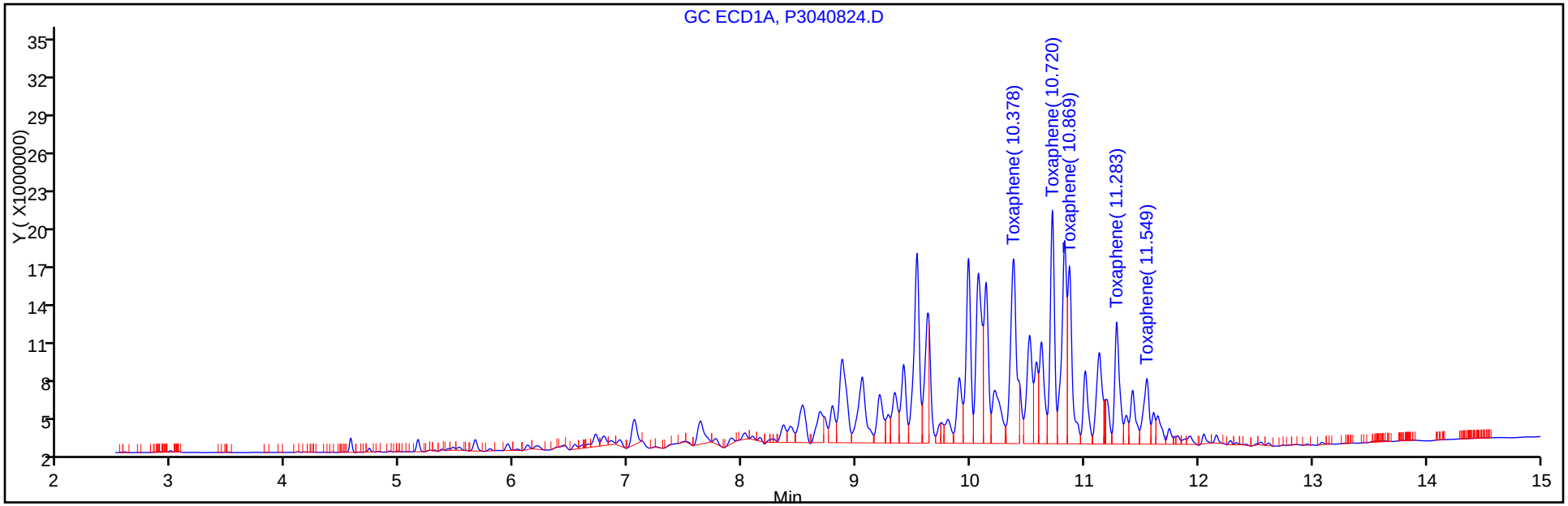
Report Date: 09-Apr-2013 11:10:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

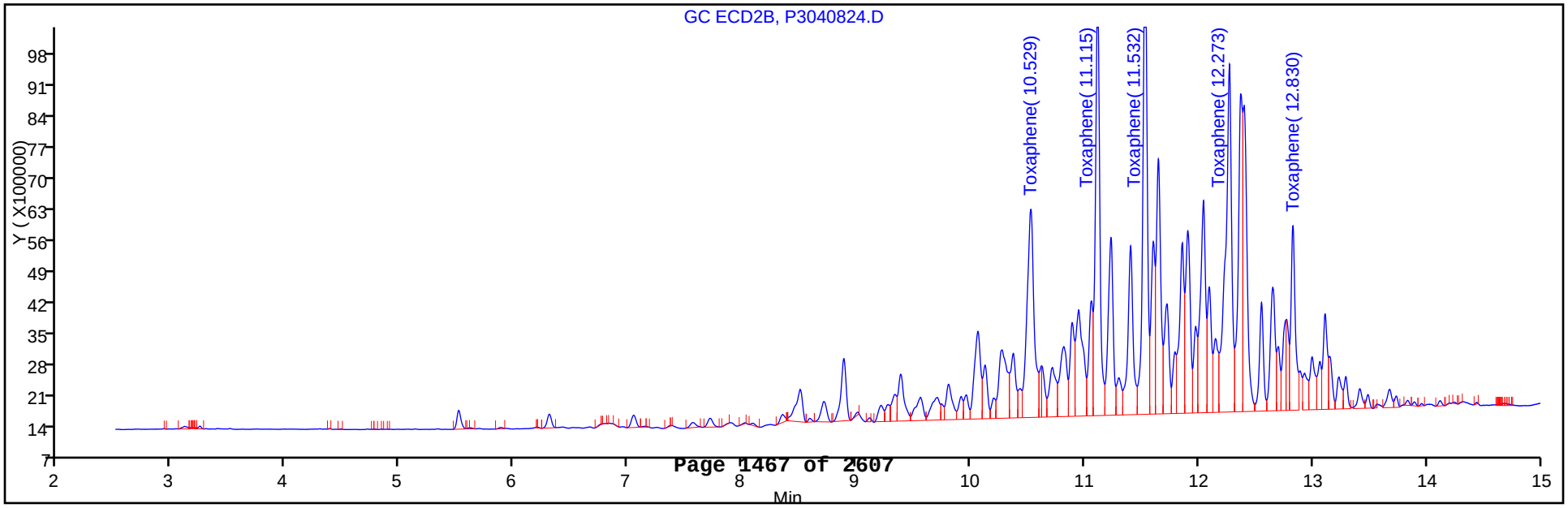
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Injection Date:	08-Apr-2013 20:36:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



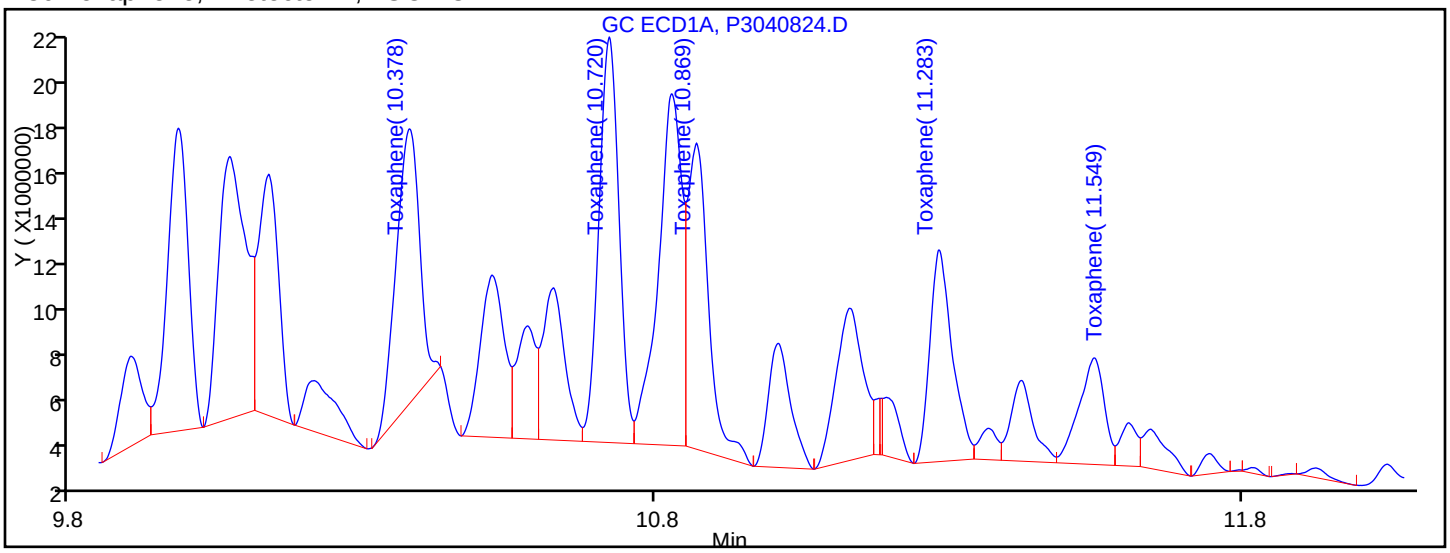
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040824.D

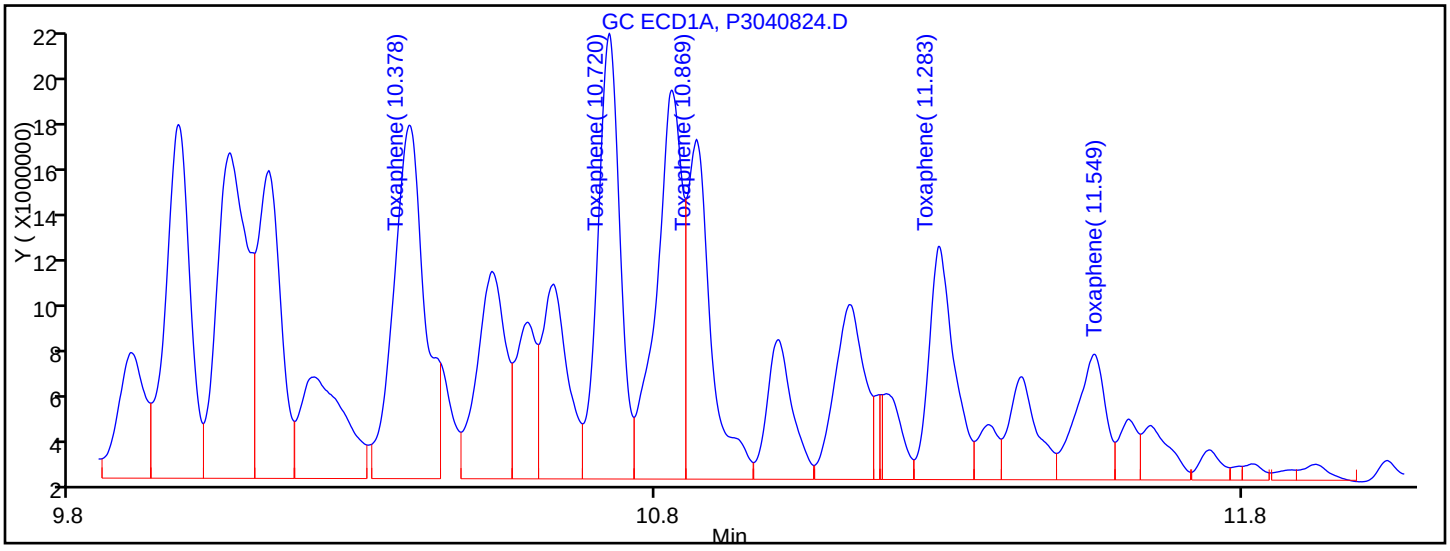
Injection Date:	08-Apr-2013 20:36:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.378	Response = 32070310	M
RT = 10.720	Response = 40479004	M
RT = 10.869	Response = 31359756	M
RT = 11.283	Response = 23601962	M
RT = 11.549	Response = 13498168	M



Manual Integration Results

RT = 10.378	Response = 54004016	M
RT = 10.720	Response = 49345536	M
RT = 10.869	Response = 39041612	M
RT = 11.283	Response = 29240910	M
RT = 11.549	Response = 18348955	M

Reviewer: shockr, 09-Apr-2013 11:10:35

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/24 Calibration Date: 04/08/2013 20:36

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040824.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	20527893		1.22	1.00	21.6*	20.0
Toxaphene Peak 2	Ave	21534081	25905688		1.20	1.00	20.3*	20.0
Toxaphene Peak 3	Ave	26029451	28762998		1.11	1.00	10.5	20.0
Toxaphene Peak 4	Ave	30315481	29863275		0.985	1.00	-1.5	20.0
Toxaphene Peak 5	Ave	12222975	11308593		0.925	1.00	-7.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-81016/24 Calibration Date: 04/08/2013 20:36

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3040824.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.53	10.50	10.56
Toxaphene Peak 2	11.12	11.09	11.15
Toxaphene Peak 3	11.53	11.50	11.56
Toxaphene Peak 4	12.27	12.24	12.30
Toxaphene Peak 5	12.83	12.80	12.86

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040824.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 08-Apr-2013 20:36:16 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018656-024
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 81016 Lims Sample ID: 24
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 11:10:42 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 11:10:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.378	10.378	0.000	54004016	1.10		100.0	M
1	2	10.720	10.720	0.000	49345536	0.99	81.1- 121.1	91.4	M
1	3	10.869	10.869	0.000	39041612	0.9519	65.0- 105.0	72.3	M
1	4	11.283	11.283	0.000	29240910	0.9379	43.1- 83.1	54.1	M
1	5	11.549	11.549	0.000	18348955	0.7015	32.5- 72.5	34.0	M
			Average of Peak Amounts =			0.9371			
2	100	10.529	10.529	0.000	20527893	1.22		100.0	M
2	2	11.115	11.115	0.000	25905688	1.20	108.3- 148.3	126.2	M
2	3	11.532	11.532	0.000	28762998	1.11	134.7- 174.7	140.1	M
2	4	12.273	12.273	0.000	29863275	0.9851	157.2- 197.2	145.5	M
2	5	12.830	12.830	0.000	11308593	0.9252	51.7- 91.7	55.1	M
			Average of Peak Amounts =			1.09			
						RPD = 14.80			

QC Flag Legend

Review Flags
M - Manually Integrated

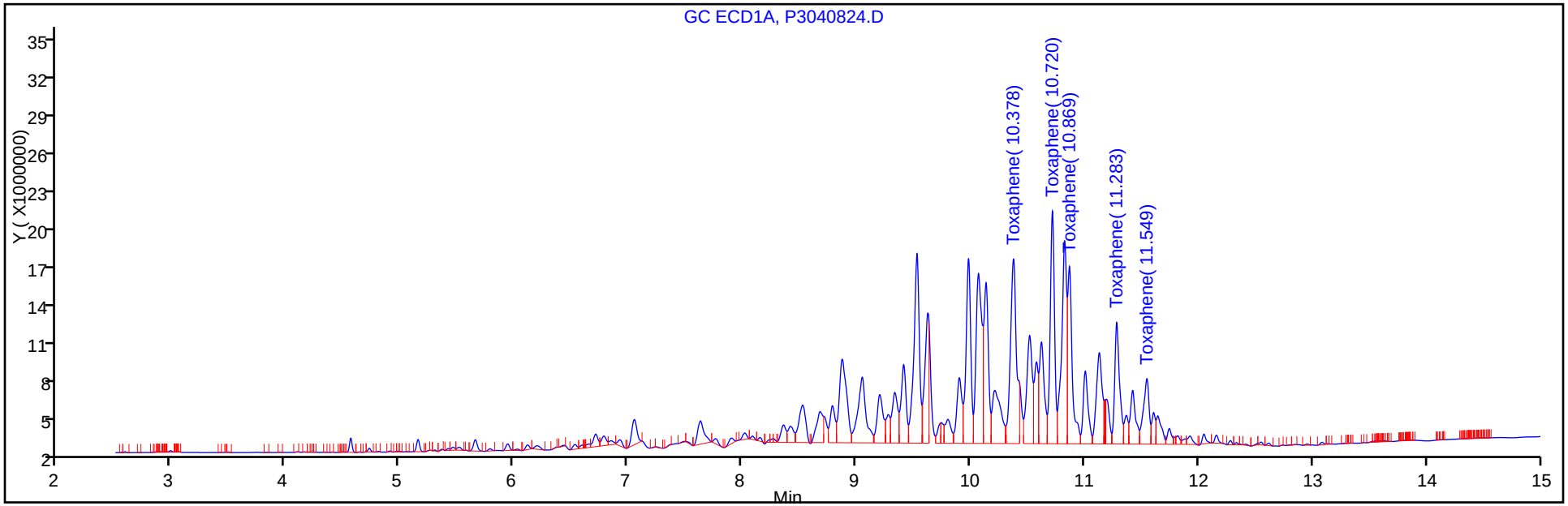
Report Date: 09-Apr-2013 11:10:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

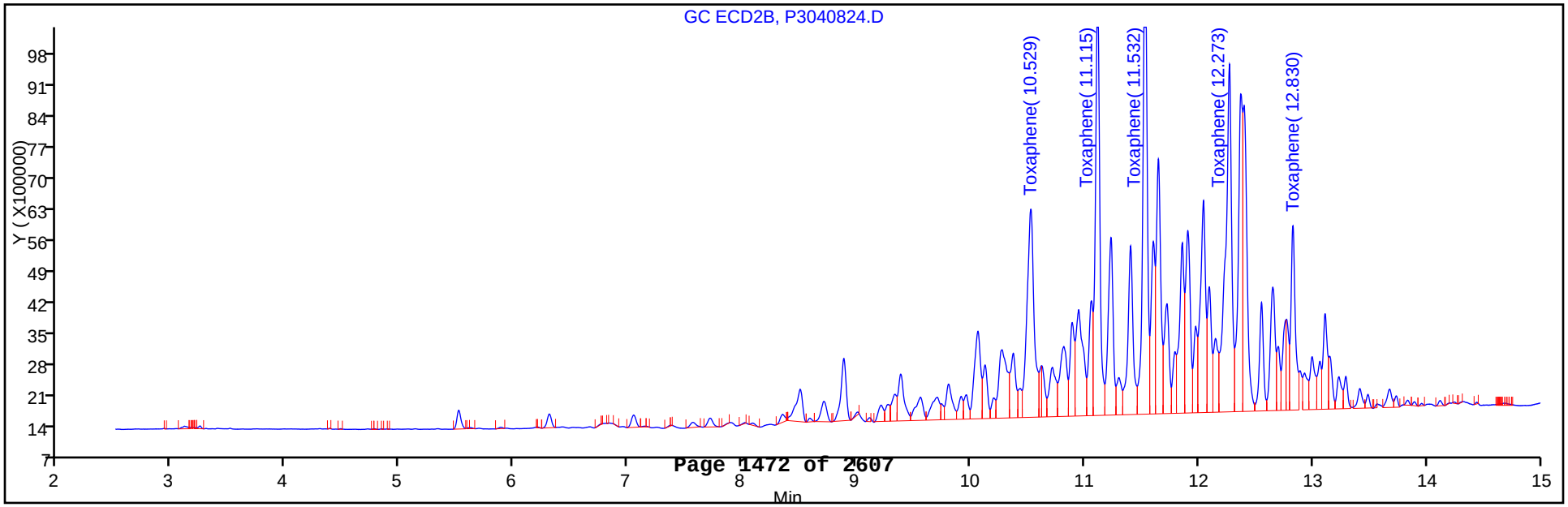
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040824.D

Injection Date:	08-Apr-2013 20:36:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	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



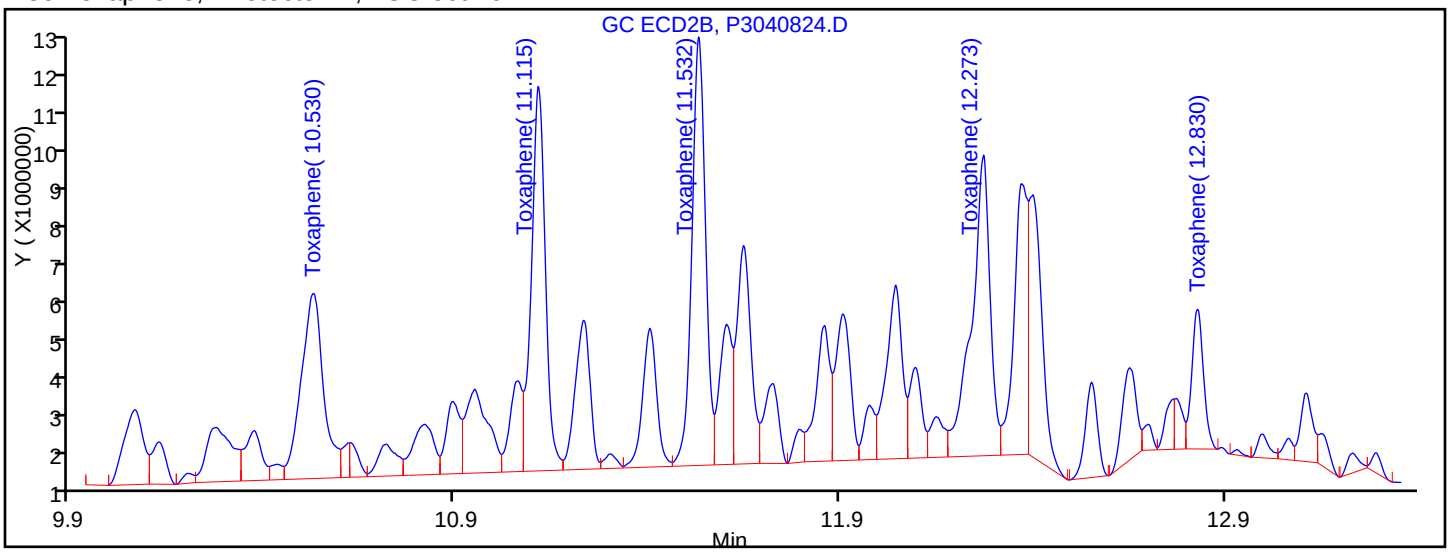
Report Date: 09-Apr-2013 11:10:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040824.D

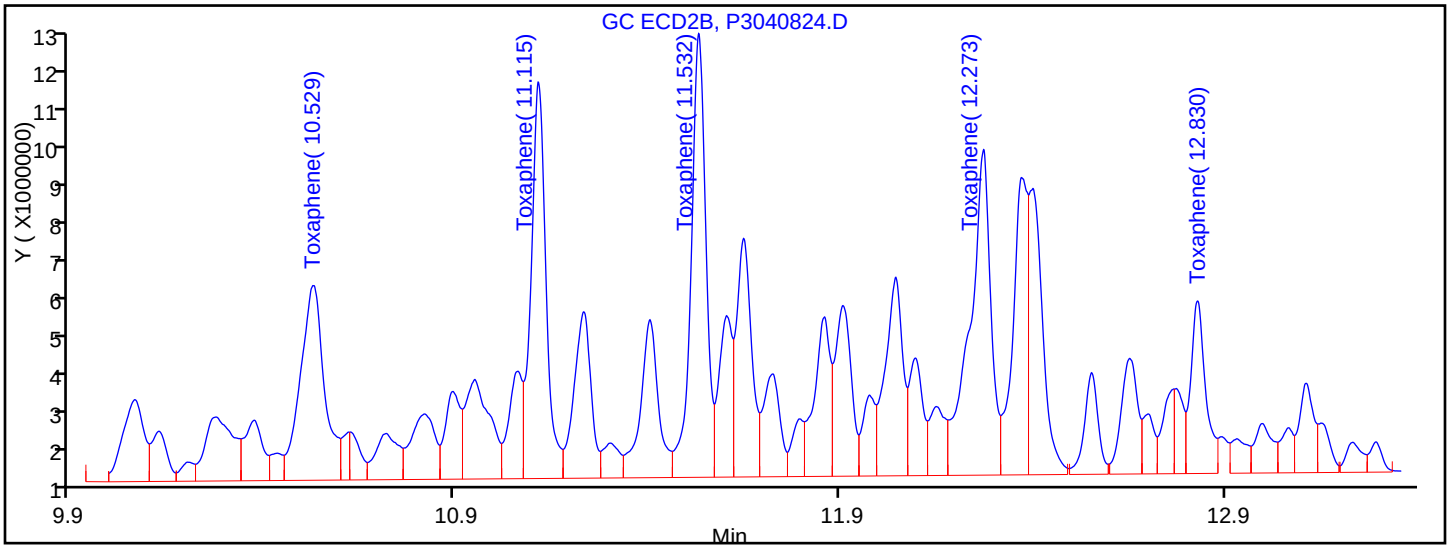
Injection Date:	08-Apr-2013 20:36:16	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.530	Response = 17765058	M
RT = 11.115	Response = 23071283	M
RT = 11.532	Response = 25158251	M
RT = 12.273	Response = 23885552	M
RT = 12.830	Response = 7057596	M



Manual Integration Results

RT = 10.529	Response = 20527893	M
RT = 11.115	Response = 25905688	M
RT = 11.532	Response = 28762998	M
RT = 12.273	Response = 29863275	M
RT = 12.830	Response = 11308593	M

Reviewer: shockr, 09-Apr-2013 11:10:35

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80550/10-A

Matrix: Solid | Lab File ID: P3040820.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.00(g) | Date Analyzed: 04/08/2013 19:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73		55-130
877-09-8	Tetrachloro-m-xylene	73		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040820.D		
Lims ID:	MB 240-80550/10-A	Client ID:	
Inject. Date:	08-Apr-2013 19:15:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018656-020		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	81016	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:25:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	16127563	0.0147			
2	100	4.183	4.183	0.000	10925644	0.0181			
						RPD = 20.95			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
12 Diallate									
1	100	5.748	5.769	-0.021	1160240	0		100.0	
1	2	0.0	0.0	0.000	0	0	0.0- 35.8		
			Average of Peak Amounts =			0			
2	100	0.0	0.0	0.000	0	0		100.0	
2	2	6.687	6.690	-0.003	8988	0	0.0- 37.2		
			Average of Peak Amounts =			0			
						RPD = 0.00			
25 Isodrin									1
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									1
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									1
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									1
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	13968936	0.0145			
2	100	14.398	14.400	-0.002	7104458	0.0148			
						RPD = 1.58			

QC Flag Legend

Processing Flags
1 - Missing Peaks

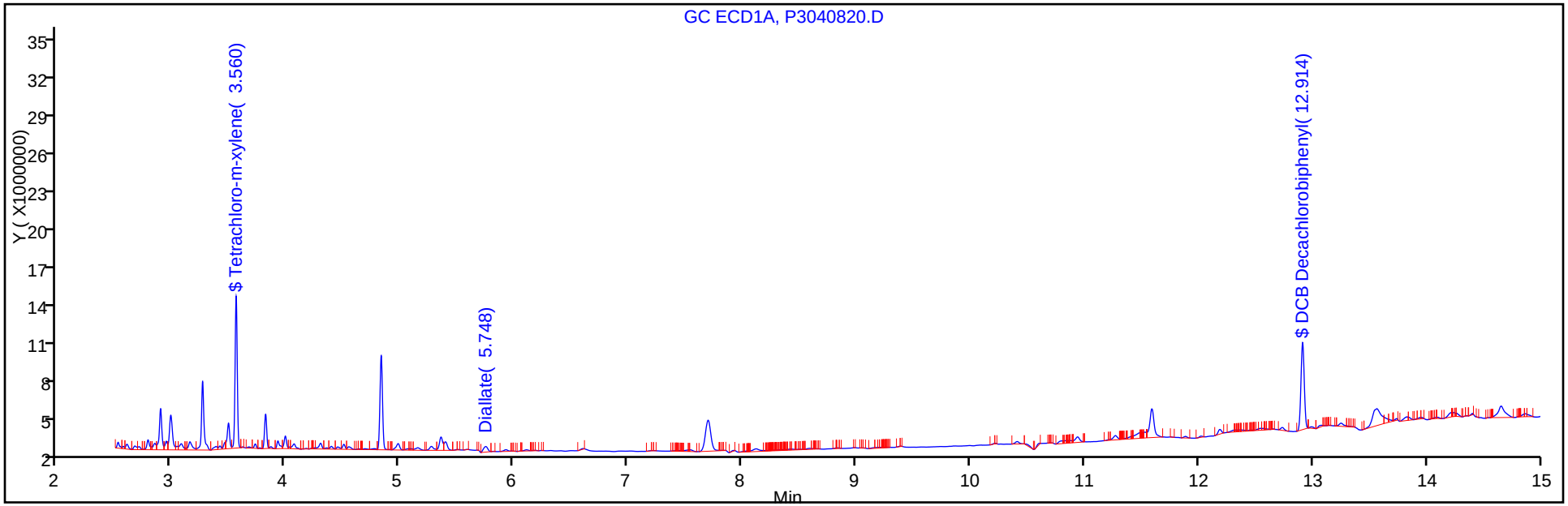
Report Date: 09-Apr-2013 09:28:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

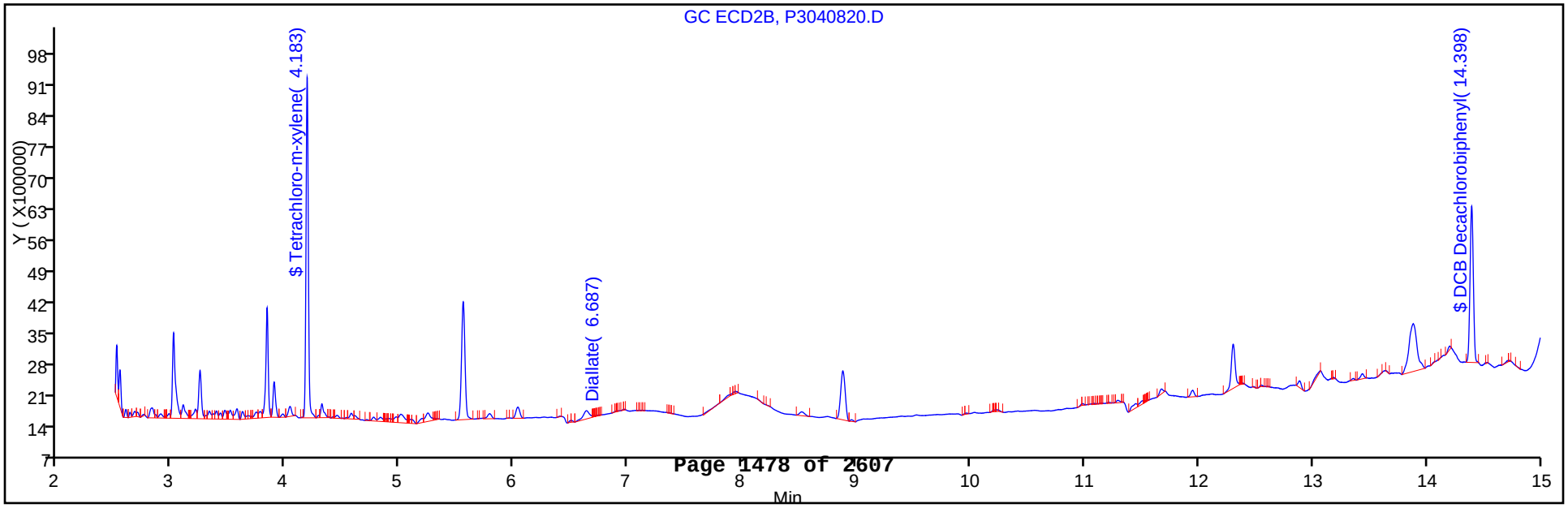
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040820.D

Injection Date:	08-Apr-2013 19:15:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80550/10-A

Matrix: Solid Lab File ID: P3040820.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.00(g) Date Analyzed: 04/08/2013 19:15

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	74		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040820.D		
Lims ID:	MB 240-80550/10-A	Client ID:	
Inject. Date:	08-Apr-2013 19:15:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018656-020		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	81016	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m		
Last Update:	09-Apr-2013 09:28:36	Calib Date:	18-Mar-2013 13:40:37
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		
First Level Reviewer: shockr		Date:	09-Apr-2013 09:25:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	16127563	0.0147			
2	100	4.183	4.183	0.000	10925644	0.0181			
						RPD = 20.95			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100		4.251						
2	100		5.071						
20 gamma-BHC (Lindane)									
1	100		4.638						
2	100		5.689						
7 beta-BHC									
1	100		4.773						
2	100		5.885						
11 delta-BHC									
1	100		4.993						
2	100		6.508						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100		5.285						
2	100		6.576						
4 Aldrin									
1	100		5.752						
2	100		7.373						
12 Diallate									
1	100	5.748	5.769	-0.021	1160240	0		100.0	
1	2	0.0	0.0	0.000	0	0	0.0- 35.8		
			Average of Peak Amounts =			0			
2	100	0.0	0.0	0.000	0	0		100.0	
2	2	6.687	6.690	-0.003	8988	0	0.0- 37.2		
			Average of Peak Amounts =			0			
						RPD = 0.00			
25 Isodrin									1
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									1
1	100		7.023						
2	100		8.818						
21 gamma-Chlordane									1
1	100		7.338						
2	100		9.208						
6 alpha-Chlordane									
1	100		7.682						
2	100		9.509						
14 Endosulfan I									
1	100		7.953						
2	100		9.577						
2 4,4'-DDE									
1	100		8.045						
2	100		9.940						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100		8.504						
2	100		10.092						
17 Endrin									
1	100		8.954						
2	100		10.606						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100		9.308						
2	100		10.930						
15 Endosulfan II									
1	100		9.400						
2	100		10.973						
3 4,4'-DDT									1
1	100		9.826						
2	100		11.408						
18 Endrin aldehyde									
1	100		10.192						
2	100		11.528						
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100		10.770						
2	100		12.479						
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100		10.913						
2	100		11.943						
19 Endrin ketone									
1	100		11.313						
2	100		12.692						
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	13968936	0.0145			
2	100	14.398	14.400	-0.002	7104458	0.0148			
						RPD = 1.58			

QC Flag Legend

Processing Flags
1 - Missing Peaks

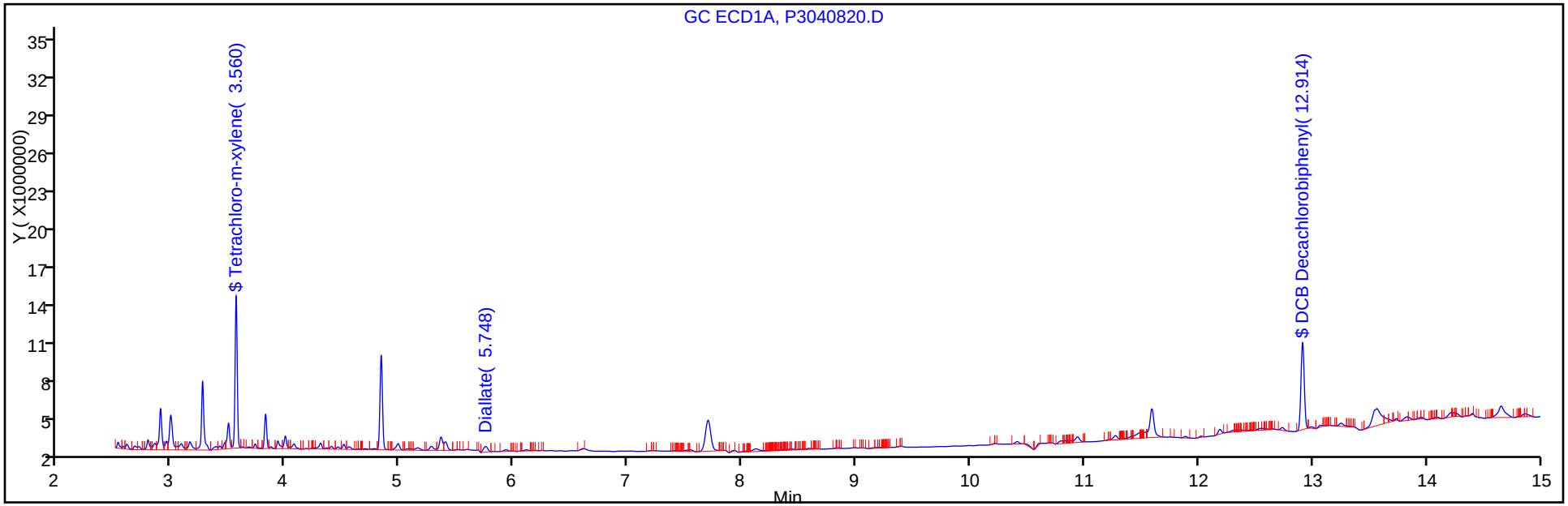
Report Date: 09-Apr-2013 09:28:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

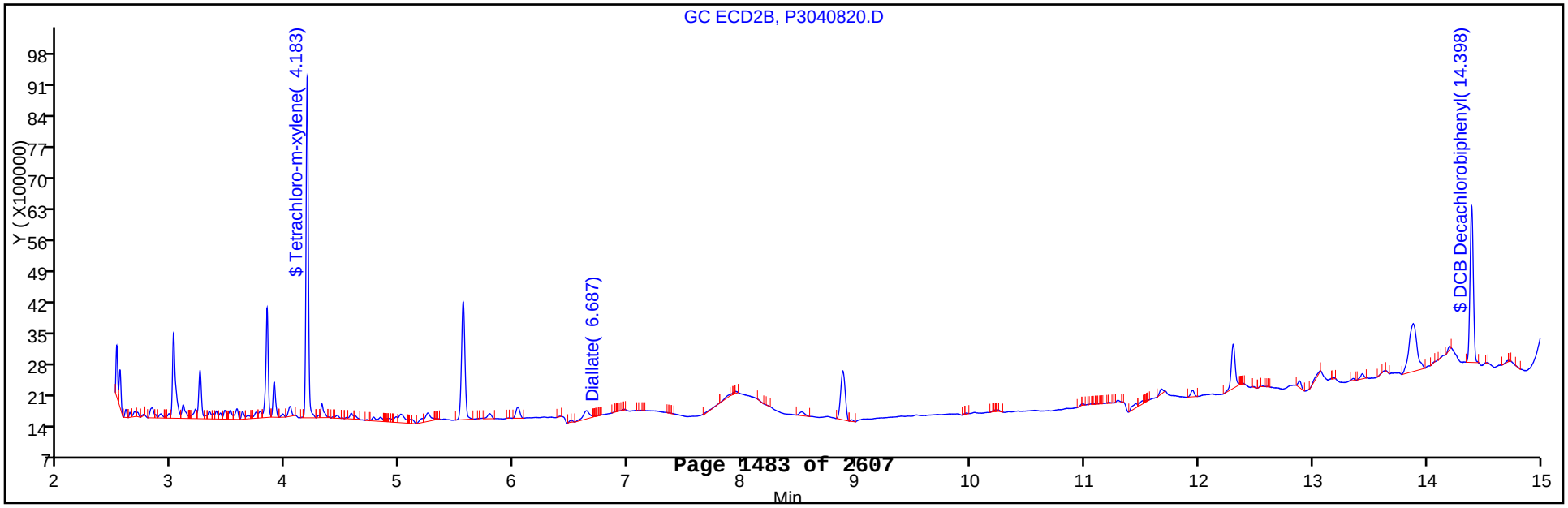
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040820.D

Injection Date:	08-Apr-2013 19:15:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80550/11-A

Matrix: Solid | Lab File ID: P3040821.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.00(g) | Date Analyzed: 04/08/2013 19:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	29.7		2.0	0.67	0.62
72-55-9	4,4'-DDE	25.8		1.7	0.67	0.39
50-29-3	4,4'-DDT	29.7		2.0	0.67	0.63
309-00-2	Aldrin	21.8		4.0	1.3	1.2
319-84-6	alpha-BHC	27.9		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	26.3		3.0	1.3	0.94
319-85-7	beta-BHC	26.3		3.5	1.3	1.1
319-86-8	delta-BHC	28.0		4.0	1.3	1.2
60-57-1	Dieldrin	27.7		1.7	0.67	0.47
959-98-8	Endosulfan I	18.6		1.7	0.67	0.52
33213-65-9	Endosulfan II	24.1		2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	26.7		3.0	1.3	0.87
72-20-8	Endrin	28.7		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	26.4		3.0	1.3	1.0
53494-70-5	Endrin ketone	26.5		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	28.1		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	28.4		1.7	0.67	0.42
76-44-8	Heptachlor	30.0		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	28.1		2.5	1.3	0.80
72-43-5	Methoxychlor	29.2		5.0	3.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	76		55-130
877-09-8	Tetrachloro-m-xylene	79		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040821.D
Lims ID: LCS 240-80550/11-A Client ID:
Inject. Date: 08-Apr-2013 19:35:50 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018656-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 81016 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:26:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17318939	0.0157			
2	100	4.183	4.183	0.000	11261966	0.0186			
						RPD = 16.89			
5 alpha-BHC									
1	100	4.251	4.251	0.000	136128562	0.0838			
2	100	5.071	5.071	0.000	73115689	0.0950			
						RPD = 12.45			
20 gamma-BHC (Lindane)									
1	100	4.636	4.638	-0.002	122731017	0.0843			
2	100	5.688	5.689	-0.001	64525225	0.0953			
						RPD = 12.21			
7 beta-BHC									M
1	100	4.771	4.773	-0.002	48850404	0.0790			
2	100	5.883	5.885	-0.002	25665641	0.0868			M
						RPD = 9.42			
11 delta-BHC									
1	100	4.992	4.993	-0.001	124150242	0.0839			
2	100	6.506	6.508	-0.002	52915767	0.0761			
						RPD = 9.76			
22 Heptachlor									
1	100	5.284	5.285	-0.001	116075883	0.0901			
2	100	6.575	6.576	-0.001	52268185	0.0897			
						RPD = 0.51			
4 Aldrin									
1	100	5.750	5.752	-0.002	89069182	0.0655			
2	100	7.372	7.373	-0.001	59764615	0.0897			
						RPD = 31.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.021	7.023	-0.002	103636202	0.0843			
2	100	8.815	8.818	-0.003	53283936	0.0917			
						RPD = 8.42			
21 gamma-Chlordane									
1	100	7.335	7.338	-0.003	107744304	0.0853			
2	100	9.206	9.208	-0.002	52534658	0.0896			
						RPD = 4.90			
6 alpha-Chlordane									
1	100	7.680	7.682	-0.002	101921148	0.0790			
2	100	9.506	9.509	-0.003	51576488	0.0845			
						RPD = 6.70			
14 Endosulfan I									
1	100	7.952	7.953	-0.001	64277945	0.0558			
2	100	9.574	9.577	-0.003	39682263	0.0747			
						RPD = 29.01			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	97933525	0.0773			
2	100	9.937	9.940	-0.003	52183591	0.0856			
						RPD = 10.12			
13 Dieldrin									
1	100	8.501	8.504	-0.003	105461488	0.0831			
2	100	10.088	10.092	-0.004	53316176	0.0897			
						RPD = 7.59			
17 Endrin									
1	100	8.954	8.954	0.000	102319743	0.0860			
2	100	10.606	10.606	0.000	49609666	0.0926			
						RPD = 7.33			
1 4,4'-DDD									
1	100	9.305	9.308	-0.003	86375516	0.0890			
2	100	10.926	10.930	-0.004	41538822	0.0972			
						RPD = 8.74			
15 Endosulfan II									
1	100	9.399	9.400	-0.001	79004376	0.0722			
2	100	10.971	10.973	-0.002	38588896	0.0795			
						RPD = 9.64			
3 4,4'-DDT									
1	100	9.823	9.826	-0.003	82214235	0.0891			
2	100	11.406	11.408	-0.002	34845732	0.0881			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.191	10.192	-0.001	69662301	0.0791			
2	100	11.527	11.528	-0.001	34280680	0.0868			
						RPD = 9.25			
27 Methoxychlor									
1	100	10.767	10.770	-0.003	40450387	0.0877			
2	100	12.476	12.479	-0.003	17909103	0.0898			
						RPD = 2.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.912	10.913	-0.001	78723265	0.0802			
2	100	11.942	11.943	-0.001	38370689	0.0868			
						RPD = 7.81			
19 Endrin ketone									
1	100	11.309	11.313	-0.004	91131233	0.0796			
2	100	12.689	12.692	-0.003	43326044	0.0864			
						RPD = 8.16			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	14638019	0.0152			
2	100	14.397	14.400	-0.003	6880398	0.0143			
						RPD = 6.30			

QC Flag Legend

Review Flags
M - Manually Integrated

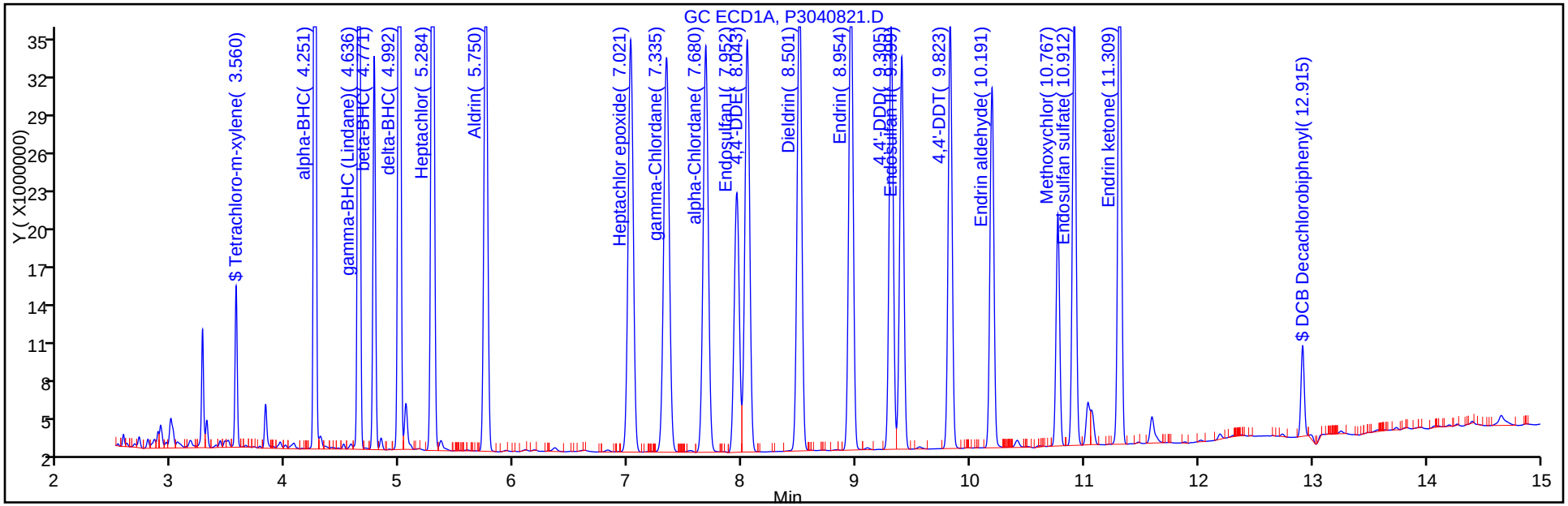
Report Date: 09-Apr-2013 09:28:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

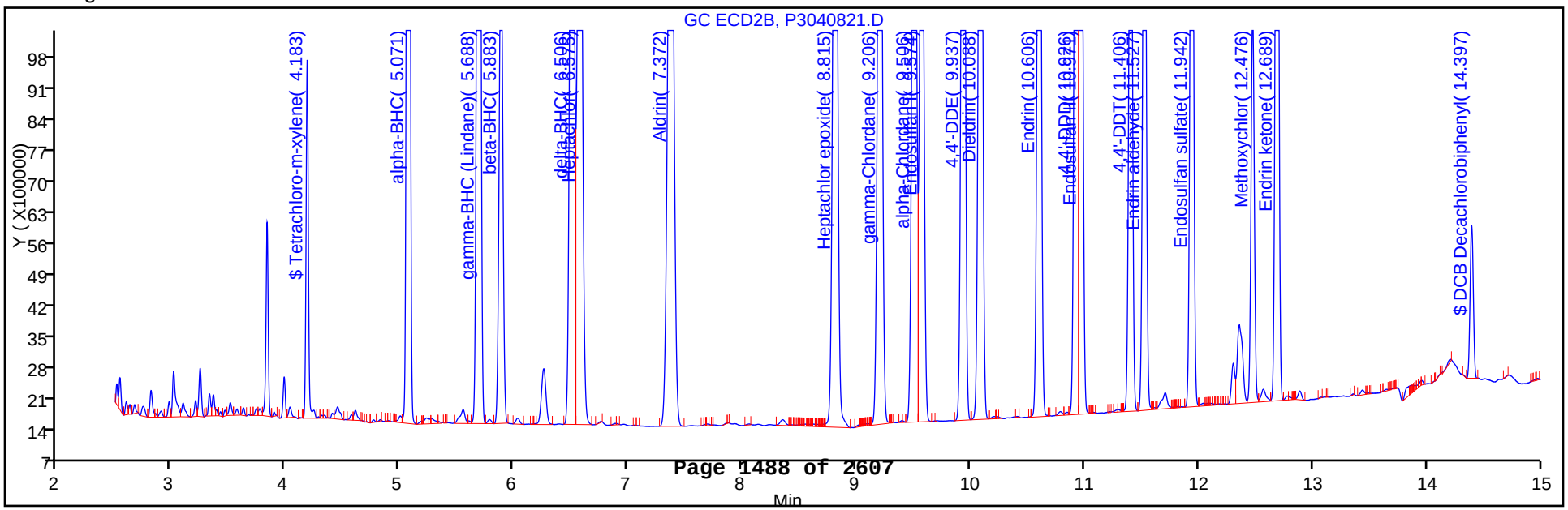
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040821.D

Injection Date:	08-Apr-2013 19:35:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80550/11-A

Matrix: Solid Lab File ID: P3040821.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 30.00(g) Date Analyzed: 04/08/2013 19:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		55-130
877-09-8	Tetrachloro-m-xylene	93		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040821.D
Lims ID: LCS 240-80550/11-A Client ID:
Inject. Date: 08-Apr-2013 19:35:50 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018656-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 81016 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:26:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17318939	0.0157			
2	100	4.183	4.183	0.000	11261966	0.0186			
						RPD = 16.89			
5 alpha-BHC									
1	100	4.251	4.251	0.000	136128562	0.0838			
2	100	5.071	5.071	0.000	73115689	0.0950			
						RPD = 12.45			
20 gamma-BHC (Lindane)									
1	100	4.636	4.638	-0.002	122731017	0.0843			
2	100	5.688	5.689	-0.001	64525225	0.0953			
						RPD = 12.21			
7 beta-BHC									M
1	100	4.771	4.773	-0.002	48850404	0.0790			
2	100	5.883	5.885	-0.002	25665641	0.0868			M
						RPD = 9.42			
11 delta-BHC									
1	100	4.992	4.993	-0.001	124150242	0.0839			
2	100	6.506	6.508	-0.002	52915767	0.0761			
						RPD = 9.76			
22 Heptachlor									
1	100	5.284	5.285	-0.001	116075883	0.0901			
2	100	6.575	6.576	-0.001	52268185	0.0897			
						RPD = 0.51			
4 Aldrin									
1	100	5.750	5.752	-0.002	89069182	0.0655			
2	100	7.372	7.373	-0.001	59764615	0.0897			
						RPD = 31.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.021	7.023	-0.002	103636202	0.0843			
2	100	8.815	8.818	-0.003	53283936	0.0917			
						RPD = 8.42			
21 gamma-Chlordane									
1	100	7.335	7.338	-0.003	107744304	0.0853			
2	100	9.206	9.208	-0.002	52534658	0.0896			
						RPD = 4.90			
6 alpha-Chlordane									
1	100	7.680	7.682	-0.002	101921148	0.0790			
2	100	9.506	9.509	-0.003	51576488	0.0845			
						RPD = 6.70			
14 Endosulfan I									
1	100	7.952	7.953	-0.001	64277945	0.0558			
2	100	9.574	9.577	-0.003	39682263	0.0747			
						RPD = 29.01			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	97933525	0.0773			
2	100	9.937	9.940	-0.003	52183591	0.0856			
						RPD = 10.12			
13 Dieldrin									
1	100	8.501	8.504	-0.003	105461488	0.0831			
2	100	10.088	10.092	-0.004	53316176	0.0897			
						RPD = 7.59			
17 Endrin									
1	100	8.954	8.954	0.000	102319743	0.0860			
2	100	10.606	10.606	0.000	49609666	0.0926			
						RPD = 7.33			
1 4,4'-DDD									
1	100	9.305	9.308	-0.003	86375516	0.0890			
2	100	10.926	10.930	-0.004	41538822	0.0972			
						RPD = 8.74			
15 Endosulfan II									
1	100	9.399	9.400	-0.001	79004376	0.0722			
2	100	10.971	10.973	-0.002	38588896	0.0795			
						RPD = 9.64			
3 4,4'-DDT									
1	100	9.823	9.826	-0.003	82214235	0.0891			
2	100	11.406	11.408	-0.002	34845732	0.0881			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.191	10.192	-0.001	69662301	0.0791			
2	100	11.527	11.528	-0.001	34280680	0.0868			
						RPD = 9.25			
27 Methoxychlor									
1	100	10.767	10.770	-0.003	40450387	0.0877			
2	100	12.476	12.479	-0.003	17909103	0.0898			
						RPD = 2.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.912	10.913	-0.001	78723265	0.0802			
2	100	11.942	11.943	-0.001	38370689	0.0868			
						RPD = 7.81			
19 Endrin ketone									
1	100	11.309	11.313	-0.004	91131233	0.0796			
2	100	12.689	12.692	-0.003	43326044	0.0864			
						RPD = 8.16			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	14638019	0.0152			
2	100	14.397	14.400	-0.003	6880398	0.0143			
						RPD = 6.30			

QC Flag Legend

Review Flags
M - Manually Integrated

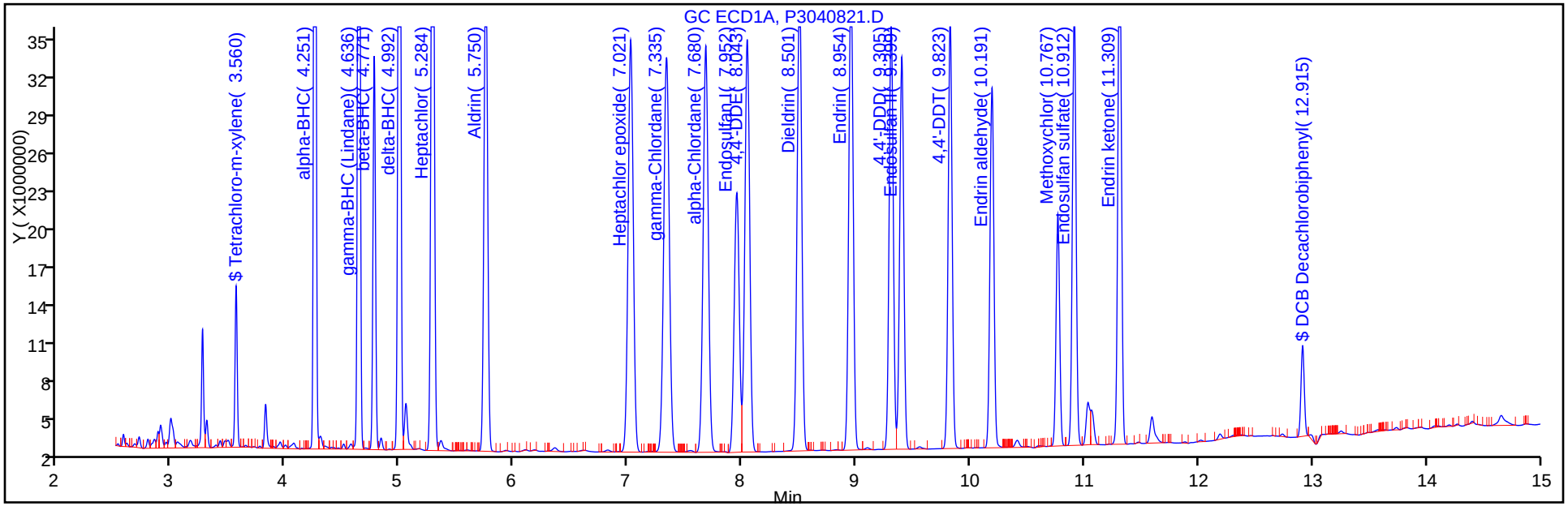
Report Date: 09-Apr-2013 09:28:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

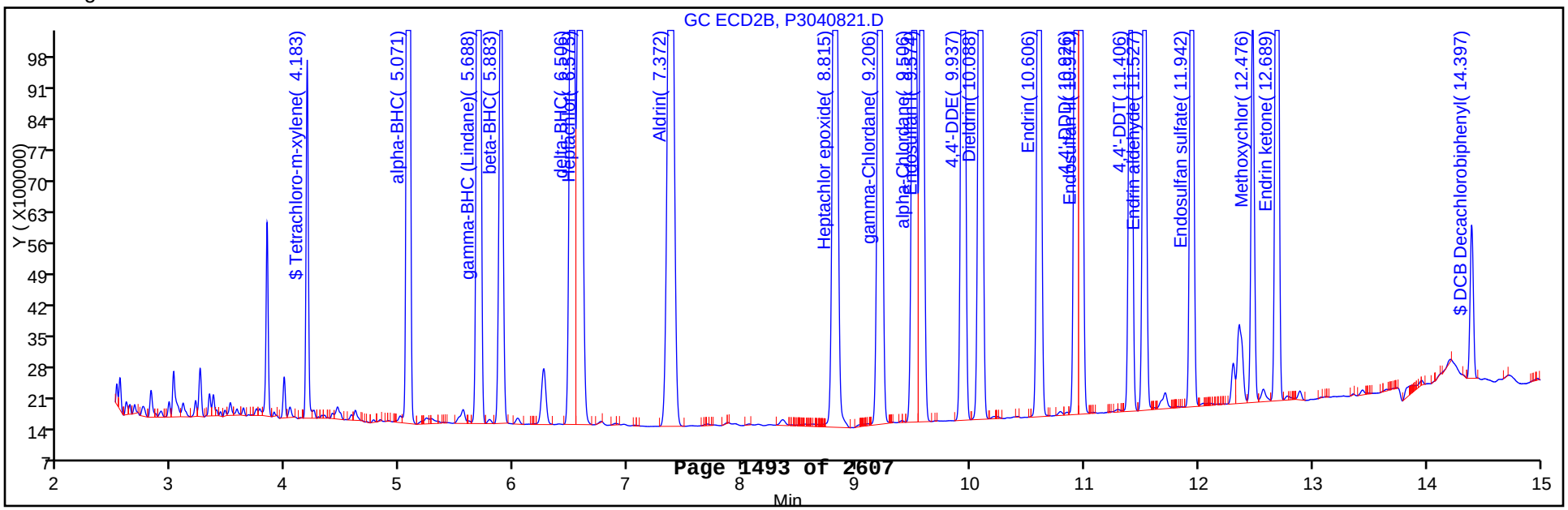
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Injection Date:	08-Apr-2013 19:35:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

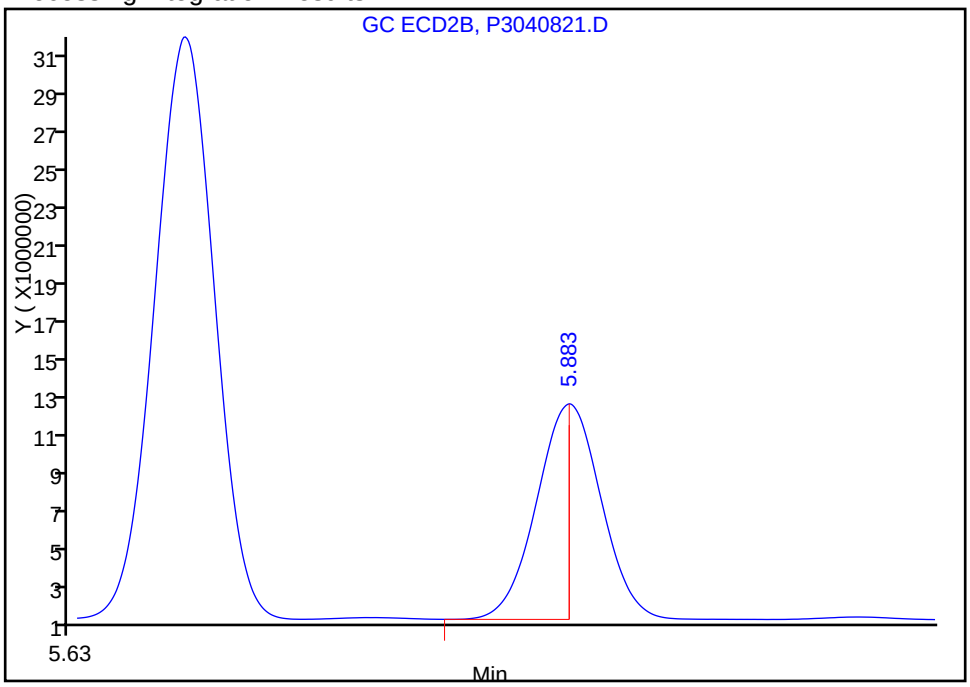
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040821.D		
Injection Date:	08-Apr-2013 19:35:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 beta-BHC, Signal: 2, Type: quant, RT: 5.89, Det: GC ecd2b

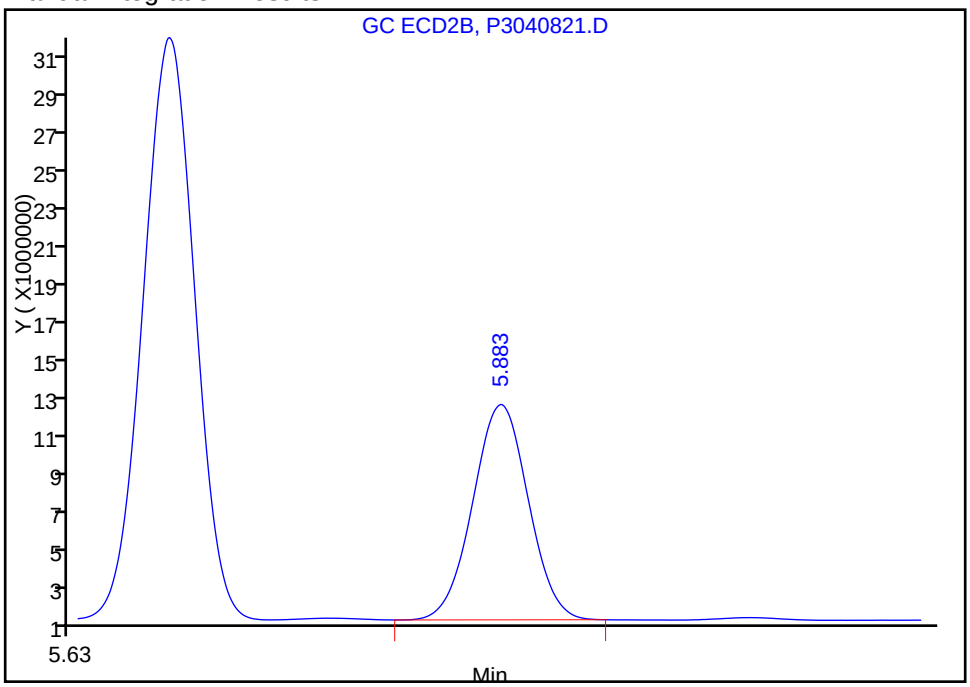
Processing Integration Results

RT: 5.88
Response: 12839277
Amount: 0.043419



Manual Integration Results

RT: 5.88
Response: 25665641
Amount: 0.086794



Reviewer: shockr, 09-Apr-2013 09:26:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81016/6

Matrix: Solid | Lab File ID: P3040806.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/08/2013 14:33

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00526		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00499	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00480	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00497	J	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00474	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00543		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00563		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00426	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00512		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00548		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00536		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00502		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00530		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00565		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00544		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00491	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00531		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00547		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00542		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00560	J	0.010	0.0030	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		50-150
877-09-8	Tetrachloro-m-xylene	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040806.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 14:33:20 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018656-006
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 81016 Lims Sample ID: 6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:31 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	5392264	0.004901			
2	100	4.185	4.184	0.001	2808421	0.004650			
						RPD = 5.26			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100	4.251	4.250	0.001	7688909	0.004735			
2	100	5.073	5.072	0.001	3701044	0.004807			
						RPD = 1.50			
20 gamma-BHC (Lindane)									
1	100	4.638	4.637	0.001	7142819	0.004908			
2	100	5.691	5.690	0.001	3448553	0.005093			
						RPD = 3.70			
7 beta-BHC									
1	100	4.774	4.772	0.002	3480517	0.005627			
2	100	5.887	5.887	0.000	1750846	0.005921			
						RPD = 5.08			
11 delta-BHC									
1	100	4.995	4.993	0.002	6306452	0.004261			
2	100	6.509	6.510	-0.001	3061208	0.004401			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.286	5.284	0.002	7048140	0.005472			
2	100	6.578	6.579	-0.001	3258510	0.005589			
						RPD = 2.13			
4 Aldrin									
1	100	5.752	5.750	0.002	6759779	0.004970			
2	100	7.375	7.378	-0.003	3400979	0.005106			
						RPD = 2.69			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.024	7.021	0.003	6662157	0.005416			
2	100	8.816	8.819	-0.003	3138993	0.005400			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.336	7.336	0.000	6711549	0.005312			
2	100	9.210	9.211	-0.001	3189250	0.005437			
						RPD = 2.32			
6 alpha-Chlordane									
1	100	7.680	7.679	0.001	7000323	0.005428			
2	100	9.509	9.510	-0.001	3253643	0.005331			
						RPD = 1.80			
14 Endosulfan I									
1	100	7.952	7.950	0.002	6310956	0.005475			
2	100	9.576	9.577	-0.001	2921838	0.005499			
						RPD = 0.44			
2 4,4'-DDE									
1	100	8.045	8.044	0.001	6325323	0.004994			
2	100	9.939	9.940	-0.001	2953407	0.004843			
						RPD = 3.08			
28 Mirex									
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.502	0.000	6499497	0.005124			
2	100	10.090	10.091	-0.001	3021751	0.005084			
						RPD = 0.79			
17 Endrin									
1	100	8.954	8.953	0.001	6300390	0.005298			
2	100	10.605	10.607	-0.002	2876738	0.005369			
						RPD = 1.33			
26 Kepone									1
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.308	9.307	0.001	5101415	0.005257			
2	100	10.929	10.929	0.000	2304805	0.005391			
						RPD = 2.50			
15 Endosulfan II									
1	100	9.400	9.399	0.001	5866938	0.005360			
2	100	10.972	10.974	-0.002	2766521	0.005699			
						RPD = 6.12			
3 4,4'-DDT									
1	100	9.824	9.824	0.000	4426048	0.004799			
2	100	11.407	11.409	-0.002	1811519	0.004580			
						RPD = 4.68			
18 Endrin aldehyde									
1	100	10.190	10.189	0.001	4974094	0.005648			
2	100	11.529	11.530	-0.001	2303795	0.005831			
						RPD = 3.20			
30 Toxaphene									1
1	1		10.378						
1	2		10.720						
1	3		10.869						
1	4		11.283						
1	5		11.549						
2	100		10.530						
2	2		11.115						
2	3		11.532						
2	4		12.273						
2	5		12.830						
27 Methoxychlor									
1	100	10.770	10.769	0.001	2583183	0.005598			
2	100	12.478	12.478	0.000	1066555	0.005346			
						RPD = 4.62			
9 Chlorobenzilate									1
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.913	10.911	0.002	4924402	0.005019			
2	100	11.944	11.944	0.000	2302852	0.005207			
						RPD = 3.67			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.311	11.309	0.002	6224979	0.005438			
2	100	12.691	12.691	0.000	2817967	0.005619			
						RPD = 3.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.914	0.001	5479270	0.005706			
2	100	14.398	14.399	-0.001	2814627	0.005855			
						RPD = 2.58			

QC Flag Legend

Processing Flags
1 - Missing Peaks

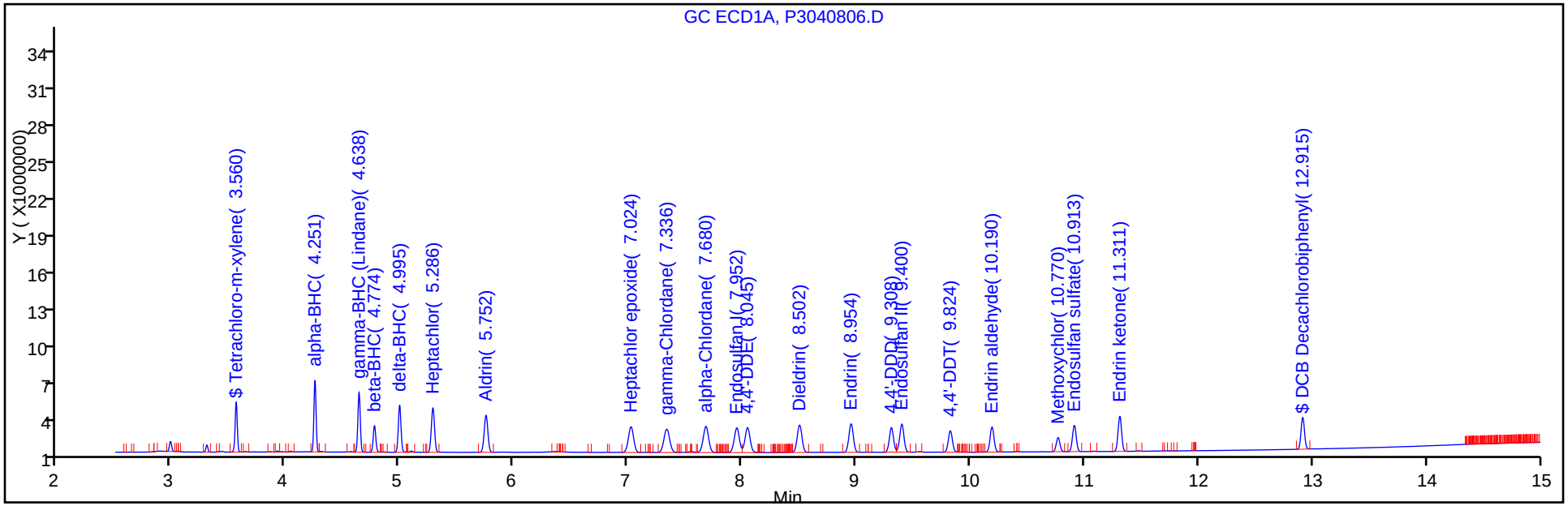
Report Date: 09-Apr-2013 09:28:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

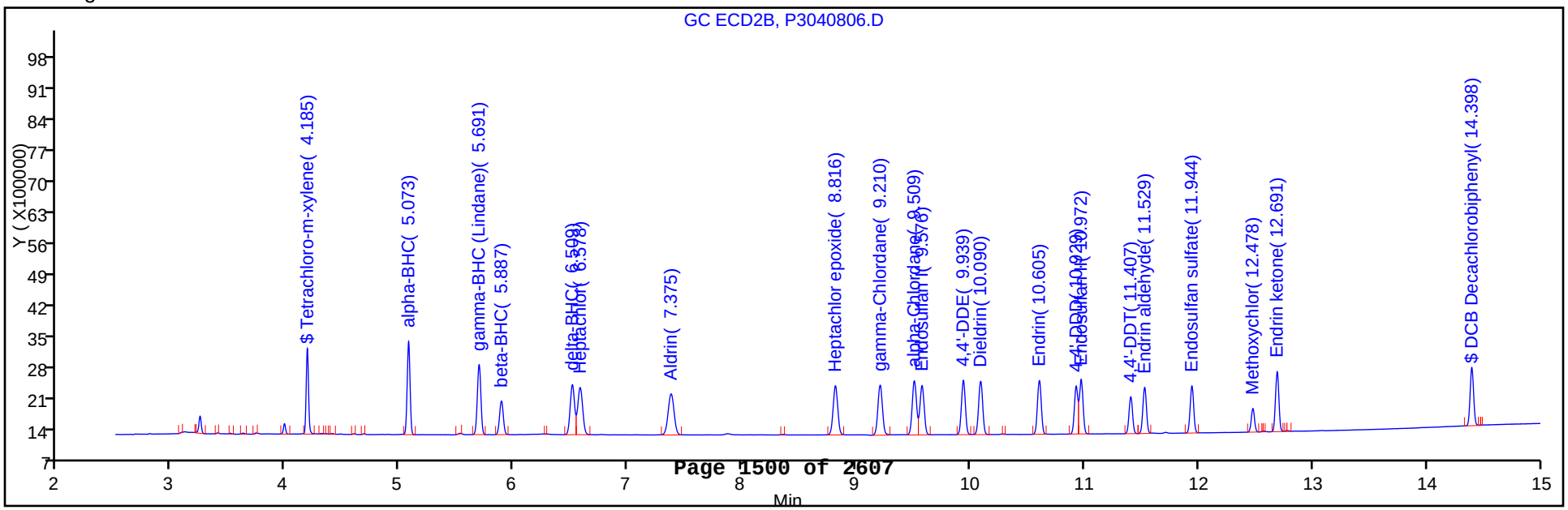
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040806.D

Injection Date:	08-Apr-2013 14:33:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	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



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81016/6

Matrix: Solid | Lab File ID: P3040806.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/08/2013 14:33

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00539*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00484*	*J*	*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00458*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00511*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00481*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00533*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00592*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00440*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00508*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00550*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00570*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00521*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00537*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00583*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00562*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00509*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00544*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00559*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00540*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00535*	*J*	*0.010*	0.0030	*0.0032*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		50-150
877-09-8	Tetrachloro-m-xylene	93		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040806.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 14:33:20 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018656-006
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 81016 Lims Sample ID: 6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:31 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.560	0.000	5392264	0.004901			
2	100	4.185	4.184	0.001	2808421	0.004650			
						RPD = 5.26			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100	4.251	4.250	0.001	7688909	0.004735			
2	100	5.073	5.072	0.001	3701044	0.004807			
						RPD = 1.50			
20 gamma-BHC (Lindane)									
1	100	4.638	4.637	0.001	7142819	0.004908			
2	100	5.691	5.690	0.001	3448553	0.005093			
						RPD = 3.70			
7 beta-BHC									
1	100	4.774	4.772	0.002	3480517	0.005627			
2	100	5.887	5.887	0.000	1750846	0.005921			
						RPD = 5.08			
11 delta-BHC									
1	100	4.995	4.993	0.002	6306452	0.004261			
2	100	6.509	6.510	-0.001	3061208	0.004401			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.286	5.284	0.002	7048140	0.005472			
2	100	6.578	6.579	-0.001	3258510	0.005589			
						RPD = 2.13			
4 Aldrin									
1	100	5.752	5.750	0.002	6759779	0.004970			
2	100	7.375	7.378	-0.003	3400979	0.005106			
						RPD = 2.69			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.024	7.021	0.003	6662157	0.005416			
2	100	8.816	8.819	-0.003	3138993	0.005400			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.336	7.336	0.000	6711549	0.005312			
2	100	9.210	9.211	-0.001	3189250	0.005437			
						RPD = 2.32			
6 alpha-Chlordane									
1	100	7.680	7.679	0.001	7000323	0.005428			
2	100	9.509	9.510	-0.001	3253643	0.005331			
						RPD = 1.80			
14 Endosulfan I									
1	100	7.952	7.950	0.002	6310956	0.005475			
2	100	9.576	9.577	-0.001	2921838	0.005499			
						RPD = 0.44			
2 4,4'-DDE									
1	100	8.045	8.044	0.001	6325323	0.004994			
2	100	9.939	9.940	-0.001	2953407	0.004843			
						RPD = 3.08			
28 Mirex									
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.502	0.000	6499497	0.005124			
2	100	10.090	10.091	-0.001	3021751	0.005084			
						RPD = 0.79			
17 Endrin									
1	100	8.954	8.953	0.001	6300390	0.005298			
2	100	10.605	10.607	-0.002	2876738	0.005369			
						RPD = 1.33			
26 Kepone									1
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.308	9.307	0.001	5101415	0.005257			
2	100	10.929	10.929	0.000	2304805	0.005391			
						RPD = 2.50			
15 Endosulfan II									
1	100	9.400	9.399	0.001	5866938	0.005360			
2	100	10.972	10.974	-0.002	2766521	0.005699			
						RPD = 6.12			
3 4,4'-DDT									
1	100	9.824	9.824	0.000	4426048	0.004799			
2	100	11.407	11.409	-0.002	1811519	0.004580			
						RPD = 4.68			
18 Endrin aldehyde									
1	100	10.190	10.189	0.001	4974094	0.005648			
2	100	11.529	11.530	-0.001	2303795	0.005831			
						RPD = 3.20			
30 Toxaphene									1
1	1		10.378						
1	2		10.720						
1	3		10.869						
1	4		11.283						
1	5		11.549						
2	100		10.530						
2	2		11.115						
2	3		11.532						
2	4		12.273						
2	5		12.830						
27 Methoxychlor									
1	100	10.770	10.769	0.001	2583183	0.005598			
2	100	12.478	12.478	0.000	1066555	0.005346			
						RPD = 4.62			
9 Chlorobenzilate									1
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.913	10.911	0.002	4924402	0.005019			
2	100	11.944	11.944	0.000	2302852	0.005207			
						RPD = 3.67			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.311	11.309	0.002	6224979	0.005438			
2	100	12.691	12.691	0.000	2817967	0.005619			
						RPD = 3.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.914	0.001	5479270	0.005706			
2	100	14.398	14.399	-0.001	2814627	0.005855			
						RPD = 2.58			

QC Flag Legend

Processing Flags
1 - Missing Peaks

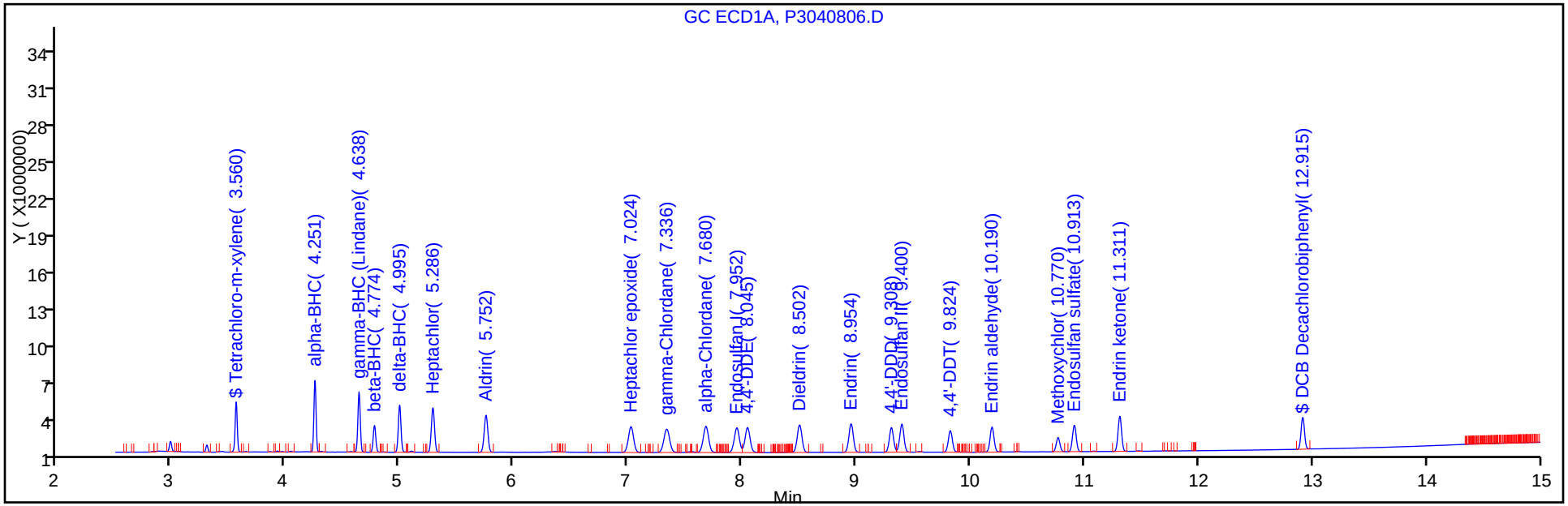
Report Date: 09-Apr-2013 09:28:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

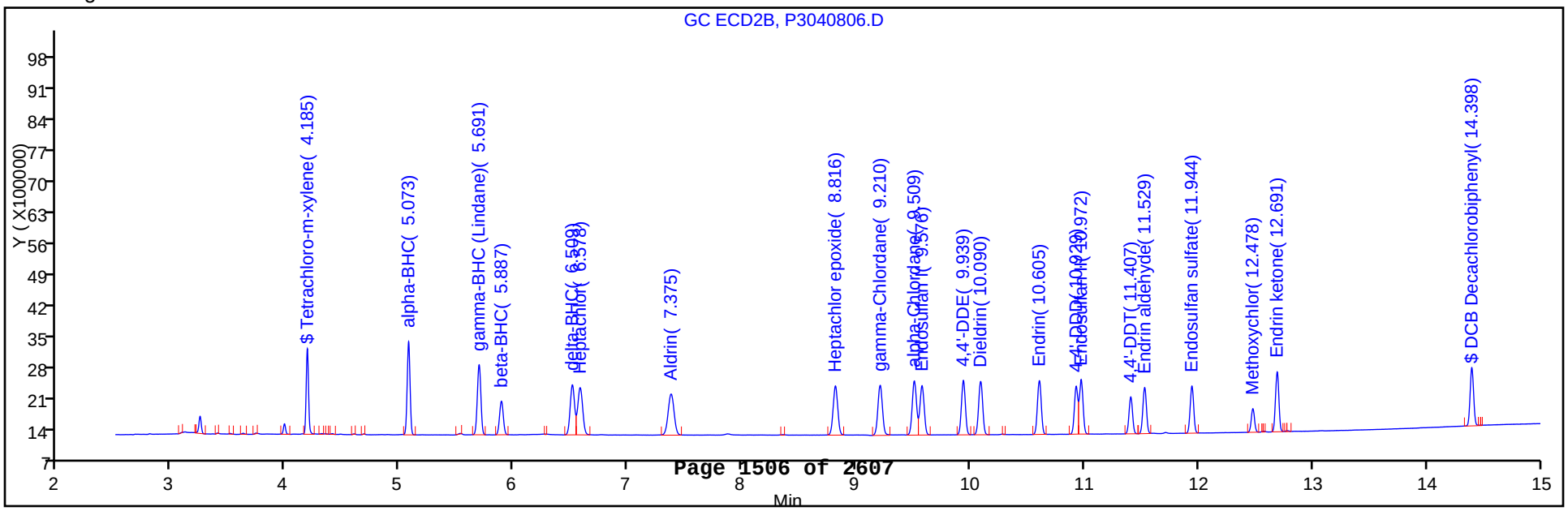
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040806.D

Injection Date:	08-Apr-2013 14:33:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	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



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81016/23

Matrix: Solid | Lab File ID: P3040823.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/08/2013 20:16

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00560		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00488	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00448	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00502		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00481	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00537		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00569		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00448	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00507		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00539		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00542		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00515		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00536		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00542		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00541		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00497	J	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00529		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00534		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00546		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00566	J	0.010	0.0030	0.0032
8001-35-2	Toxaphene	0.050	U	0.20	0.050	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		50-150
877-09-8	Tetrachloro-m-xylene	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040823.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 20:16:11 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018656-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 81016 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:44 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.559	3.560	-0.001	5388414	0.004898			
2	100	4.182	4.182	0.000	2790738	0.004621			
						RPD = 5.82			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100	4.250	4.250	0.000	7805263	0.004807			
2	100	5.070	5.070	0.000	3783418	0.004914			
						RPD = 2.20			
20 gamma-BHC (Lindane)									
1	100	4.637	4.636	0.001	7237596	0.004974			
2	100	5.688	5.688	0.000	3536324	0.005223			
						RPD = 4.89			
7 beta-BHC									
1	100	4.772	4.771	0.001	3518576	0.005689			
2	100	5.884	5.883	0.001	1808439	0.006116			
						RPD = 7.23			
11 delta-BHC									
1	100	4.992	4.991	0.001	6633759	0.004482			
2	100	6.506	6.505	0.001	3275304	0.004708			
						RPD = 4.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.284	5.284	0.000	6884639	0.005345			
2	100	6.576	6.575	0.001	3163713	0.005427			
						RPD = 1.52			
4 Aldrin									
1	100	5.749	5.749	0.000	6821153	0.005016			
2	100	7.370	7.373	-0.003	3404287	0.005111			
						RPD = 1.88			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.021	7.020	0.001	6710088	0.005455			
2	100	8.815	8.815	0.000	3173633	0.005459			
						RPD = 0.07			
21 gamma-Chlordane									
1	100	7.335	7.335	0.000	6688230	0.005293			
2	100	9.208	9.207	0.001	3165445	0.005396			
						RPD = 1.92			
6 alpha-Chlordane									
1	100	7.679	7.677	0.002	6921587	0.005367			
2	100	9.509	9.506	0.003	3261007	0.005343			
						RPD = 0.44			
14 Endosulfan I									
1	100	7.950	7.950	0.000	6209832	0.005388			
2	100	9.574	9.574	0.000	2942123	0.005537			
						RPD = 2.74			
2 4,4'-DDE									
1	100	8.044	8.042	0.002	6183111	0.004882			
2	100	9.938	9.937	0.001	2969563	0.004869			
						RPD = 0.26			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.502	0.000	6434779	0.005073			
2	100	10.089	10.089	0.000	3045725	0.005124			
						RPD = 1.00			
17 Endrin									
1	100	8.953	8.952	0.001	6377227	0.005363			
2	100	10.604	10.604	0.000	2924359	0.005458			
						RPD = 1.76			
26 Kepone									1
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.304	9.305	-0.001	5438261	0.005605			
2	100	10.926	10.926	0.000	2484157	0.005810			
						RPD = 3.60			
15 Endosulfan II									
1	100	9.398	9.398	0.000	5930691	0.005418			
2	100	10.970	10.970	0.000	2829644	0.005829			
						RPD = 7.30			
3 4,4'-DDT									
1	100	9.824	9.823	0.001	4136066	0.004485			
2	100	11.405	11.405	0.000	1829725	0.004626			
						RPD = 3.09			
18 Endrin aldehyde									
1	100	10.189	10.188	0.001	4772426	0.005419			
2	100	11.527	11.527	0.000	2309820	0.005847			
						RPD = 7.59			
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.767	10.765	0.002	2609629	0.005656			
2	100	12.475	12.475	0.000	1105162	0.005539			
						RPD = 2.08			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.910	10.910	0.000	5053263	0.005151			
2	100	11.942	11.940	0.002	2438555	0.005514			
						RPD = 6.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.310	11.308	0.002	6187871	0.005406			
2	100	12.689	12.689	0.000	2956425	0.005895			
						RPD = 8.65			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.913	0.001	5359769	0.005582			
2	100	14.399	14.397	0.002	2499612	0.005200			
						RPD = 7.08			

QC Flag Legend

Processing Flags
1 - Missing Peaks

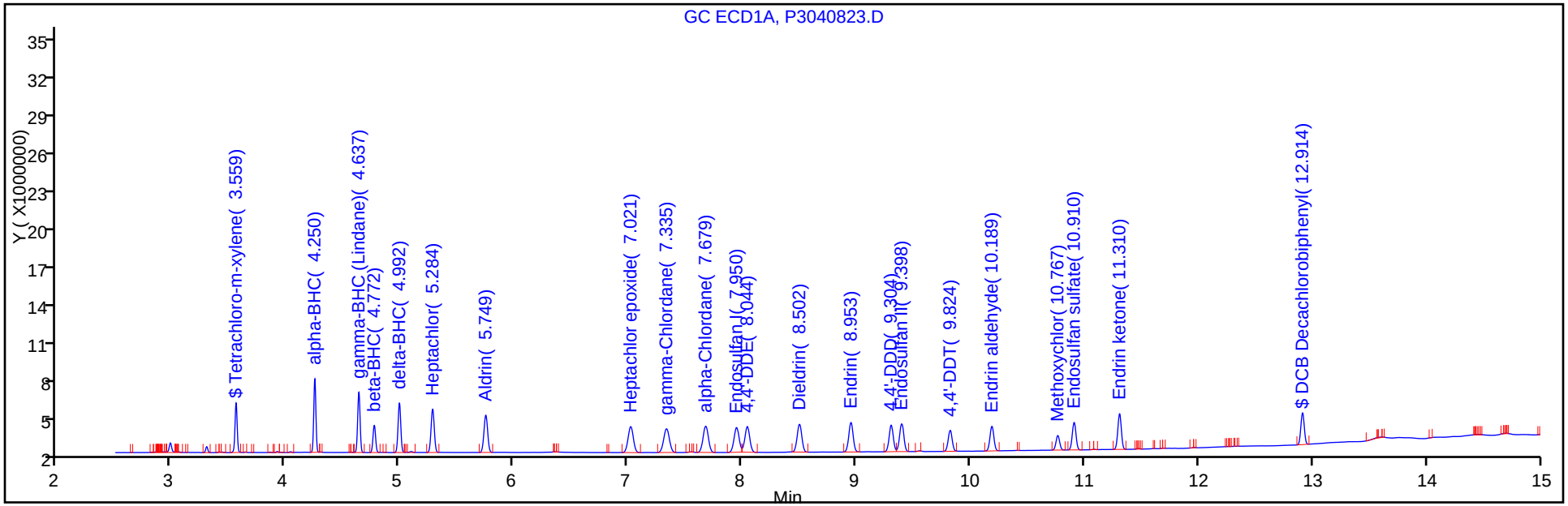
Report Date: 09-Apr-2013 09:28:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

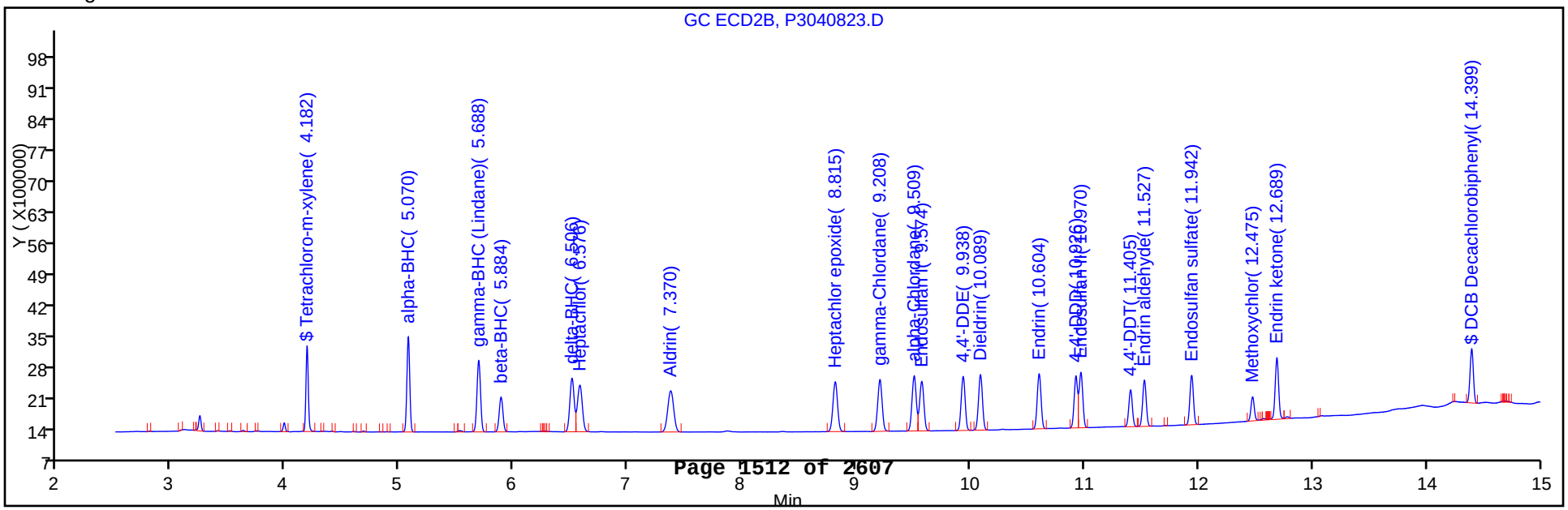
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040823.D

Injection Date:	08-Apr-2013 20:16:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81016/23

Matrix: Solid | Lab File ID: P3040823.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/08/2013 20:16

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00581*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00487*	*J*	*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00463*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00511*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00491*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00534*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00612*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00471*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00512*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00554*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00583*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00551*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00546*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00585*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00589*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00522*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00540*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00543*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00546*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00554*	*J*	*0.010*	0.0030	*0.0032*
8001-35-2	*Toxaphene*	*0.050*	*U*	*0.20*	0.050	*0.032*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		50-150
877-09-8	Tetrachloro-m-xylene	92		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040823.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 20:16:11 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018656-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 81016 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:44 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.559	3.560	-0.001	5388414	0.004898			
2	100	4.182	4.182	0.000	2790738	0.004621			
						RPD = 5.82			
24 Hexachlorobenzene									
1	100		4.032						
2	100		4.818						
5 alpha-BHC									
1	100	4.250	4.250	0.000	7805263	0.004807			
2	100	5.070	5.070	0.000	3783418	0.004914			
						RPD = 2.20			
20 gamma-BHC (Lindane)									
1	100	4.637	4.636	0.001	7237596	0.004974			
2	100	5.688	5.688	0.000	3536324	0.005223			
						RPD = 4.89			
7 beta-BHC									
1	100	4.772	4.771	0.001	3518576	0.005689			
2	100	5.884	5.883	0.001	1808439	0.006116			
						RPD = 7.23			
11 delta-BHC									
1	100	4.992	4.991	0.001	6633759	0.004482			
2	100	6.506	6.505	0.001	3275304	0.004708			
						RPD = 4.94			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.284	5.284	0.000	6884639	0.005345			
2	100	6.576	6.575	0.001	3163713	0.005427			
						RPD = 1.52			
4 Aldrin									
1	100	5.749	5.749	0.000	6821153	0.005016			
2	100	7.370	7.373	-0.003	3404287	0.005111			
						RPD = 1.88			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.021	7.020	0.001	6710088	0.005455			
2	100	8.815	8.815	0.000	3173633	0.005459			
						RPD = 0.07			
21 gamma-Chlordane									
1	100	7.335	7.335	0.000	6688230	0.005293			
2	100	9.208	9.207	0.001	3165445	0.005396			
						RPD = 1.92			
6 alpha-Chlordane									
1	100	7.679	7.677	0.002	6921587	0.005367			
2	100	9.509	9.506	0.003	3261007	0.005343			
						RPD = 0.44			
14 Endosulfan I									
1	100	7.950	7.950	0.000	6209832	0.005388			
2	100	9.574	9.574	0.000	2942123	0.005537			
						RPD = 2.74			
2 4,4'-DDE									
1	100	8.044	8.042	0.002	6183111	0.004882			
2	100	9.938	9.937	0.001	2969563	0.004869			
						RPD = 0.26			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.502	0.000	6434779	0.005073			
2	100	10.089	10.089	0.000	3045725	0.005124			
						RPD = 1.00			
17 Endrin									
1	100	8.953	8.952	0.001	6377227	0.005363			
2	100	10.604	10.604	0.000	2924359	0.005458			
						RPD = 1.76			
26 Kepone									1
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.304	9.305	-0.001	5438261	0.005605			
2	100	10.926	10.926	0.000	2484157	0.005810			
						RPD = 3.60			
15 Endosulfan II									
1	100	9.398	9.398	0.000	5930691	0.005418			
2	100	10.970	10.970	0.000	2829644	0.005829			
						RPD = 7.30			
3 4,4'-DDT									
1	100	9.824	9.823	0.001	4136066	0.004485			
2	100	11.405	11.405	0.000	1829725	0.004626			
						RPD = 3.09			
18 Endrin aldehyde									
1	100	10.189	10.188	0.001	4772426	0.005419			
2	100	11.527	11.527	0.000	2309820	0.005847			
						RPD = 7.59			
30 Toxaphene									1
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.767	10.765	0.002	2609629	0.005656			
2	100	12.475	12.475	0.000	1105162	0.005539			
						RPD = 2.08			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.910	10.910	0.000	5053263	0.005151			
2	100	11.942	11.940	0.002	2438555	0.005514			
						RPD = 6.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.310	11.308	0.002	6187871	0.005406			
2	100	12.689	12.689	0.000	2956425	0.005895			
						RPD = 8.65			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.913	0.001	5359769	0.005582			
2	100	14.399	14.397	0.002	2499612	0.005200			
						RPD = 7.08			

QC Flag Legend

Processing Flags
1 - Missing Peaks

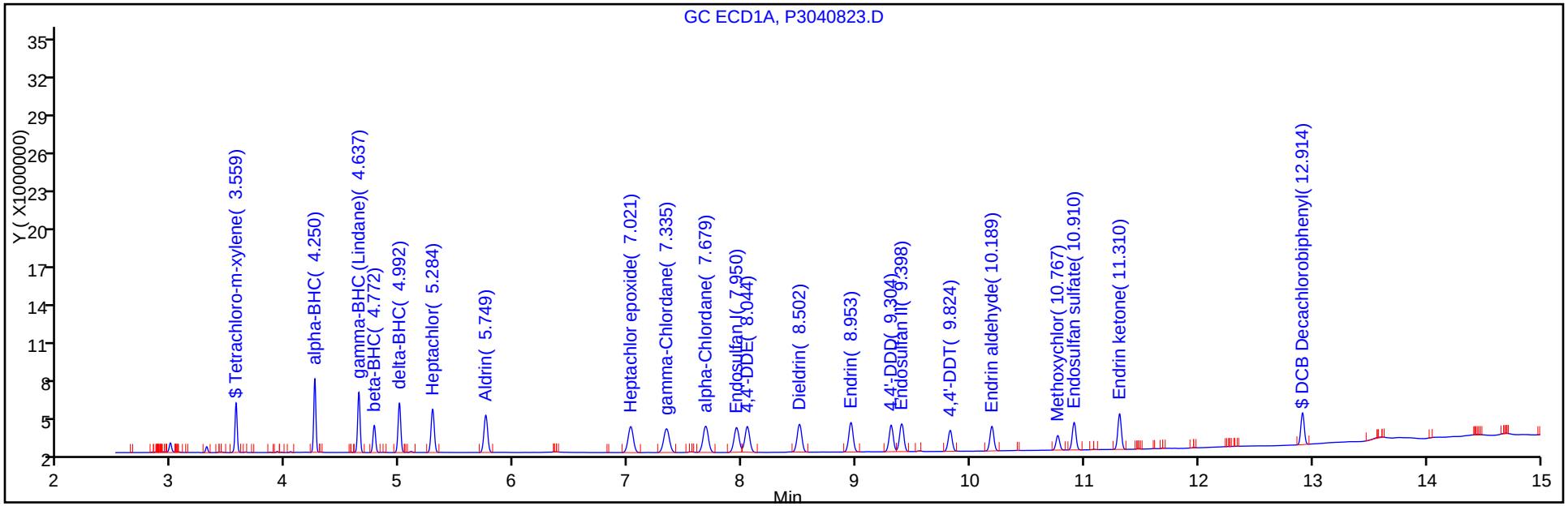
Report Date: 09-Apr-2013 09:28:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

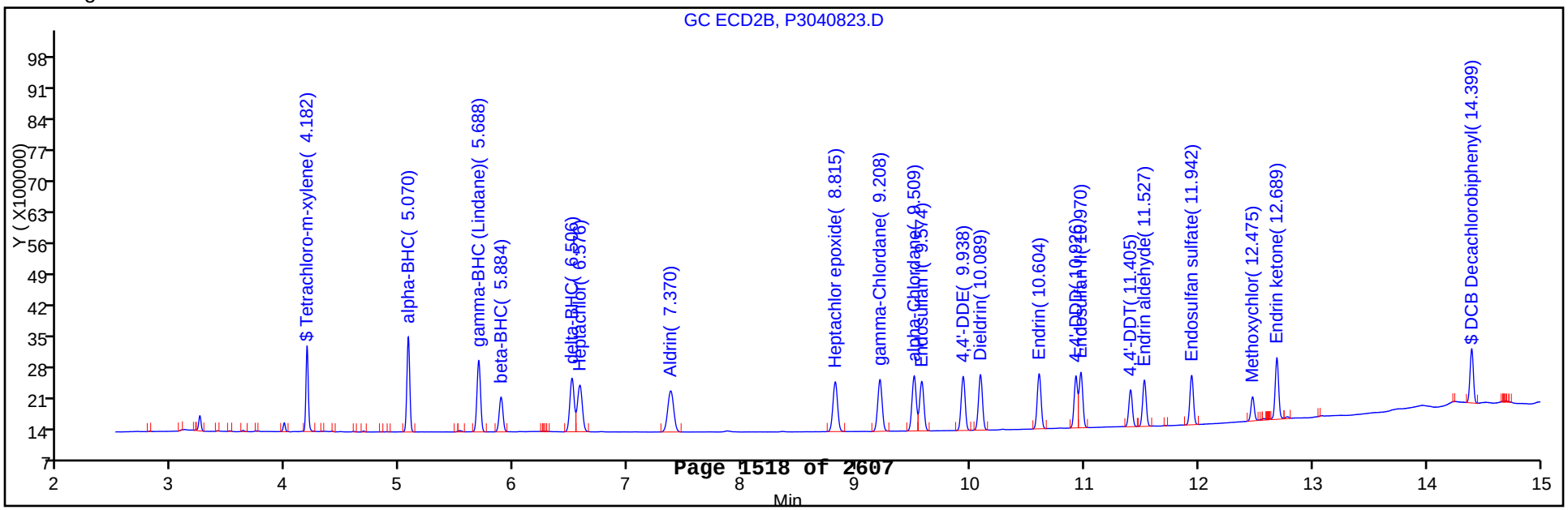
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Injection Date:	08-Apr-2013 20:16:11	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS | Lab Sample ID: 240-22488-23 MS

Matrix: Solid | Lab File ID: P3040818.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 16:45

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.75(g) | Date Analyzed: 04/08/2013 18:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	28.0		2.0	0.68	0.63
72-55-9	4,4'-DDE	25.5		1.7	0.68	0.39
50-29-3	4,4'-DDT	29.1		2.0	0.68	0.64
309-00-2	Aldrin	22.3		4.0	1.3	1.2
319-84-6	alpha-BHC	27.5		2.5	1.3	0.74
5103-71-9	alpha-Chlordane	24.3		3.0	1.3	0.95
319-85-7	beta-BHC	26.4		3.5	1.3	1.1
319-86-8	delta-BHC	27.4		4.0	1.3	1.2
60-57-1	Dieldrin	27.2		1.7	0.68	0.47
959-98-8	Endosulfan I	18.3		1.7	0.68	0.52
33213-65-9	Endosulfan II	23.4		2.5	1.3	0.83
1031-07-8	Endosulfan sulfate	26.5		3.0	1.3	0.88
72-20-8	Endrin	28.9		1.7	0.68	0.50
7421-93-4	Endrin aldehyde	25.3		3.0	1.3	1.0
53494-70-5	Endrin ketone	25.8		2.0	0.68	0.64
58-89-9	gamma-BHC (Lindane)	28.0		2.5	1.3	0.75
5103-74-2	gamma-Chlordane	27.6		1.7	0.68	0.42
76-44-8	Heptachlor	30.1		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	27.6		2.5	1.3	0.81
72-43-5	Methoxychlor	28.3		5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	68	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		55-130
877-09-8	Tetrachloro-m-xylene	80		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040818.D
Lims ID: 240-22488-G-23-F MS Client ID:
Inject. Date: 08-Apr-2013 18:35:20 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0018656-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 81016 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:24:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17525368	0.0159			
2	100	4.184	4.183	0.001	9136568	0.0151			
						RPD = 5.16			
24 Hexachlorobenzene									
1	100	4.030	4.032	-0.002	2457862	0.001902			
2	100	4.822	4.818	0.004	1008973	0.001459			
						RPD = 26.37			
5 alpha-BHC									
1	100	4.250	4.251	-0.001	132999500	0.0819			
2	100	5.071	5.071	0.000	72420181	0.0941			
						RPD = 13.81			
20 gamma-BHC (Lindane)									
1	100	4.637	4.638	-0.001	121030062	0.0832			
2	100	5.689	5.689	0.000	64571975	0.0954			
						RPD = 13.67			
7 beta-BHC									
1	100	4.771	4.773	-0.002	48558249	0.0785			
2	100	5.884	5.885	-0.001	25243772	0.0854			
						RPD = 8.37			
11 delta-BHC									
1	100	4.992	4.993	-0.001	120718499	0.0816			
2	100	6.507	6.508	-0.001	52411442	0.0753			
						RPD = 7.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.284	5.285	-0.001	115321223	0.0895			
2	100	6.575	6.576	-0.001	52154695	0.0895			
						RPD = 0.08			
4 Aldrin									
1	100	5.750	5.752	-0.002	90212507	0.0663			
2	100	7.372	7.373	-0.001	58933672	0.0885			
						RPD = 28.61			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.020	7.023	-0.003	100967963	0.0821			
2	100	8.814	8.818	-0.004	49800311	0.0857			
						RPD = 4.27			
21 gamma-Chlordane									
1	100	7.334	7.338	-0.004	103683198	0.0821			
2	100	9.208	9.208	0.000	51827601	0.0884			
						RPD = 7.38			
6 alpha-Chlordane									
1	100	7.678	7.682	-0.004	93288557	0.0723			
2	100	9.508	9.509	-0.001	50440197	0.0826			
						RPD = 13.31			
14 Endosulfan I									
1	100	7.949	7.953	-0.004	62739492	0.0544			
2	100	9.574	9.577	-0.003	39060589	0.0735			
						RPD = 29.83			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	96011360	0.0758			
2	100	9.938	9.940	-0.002	51611309	0.0846			
						RPD = 11.00			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.504	-0.002	102592137	0.0809			
2	100	10.088	10.092	-0.004	53264516	0.0896			
						RPD = 10.24			
17 Endrin									
1	100	8.952	8.954	-0.002	102177583	0.0859			
2	100	10.602	10.606	-0.004	48261485	0.0901			
						RPD = 4.71			
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.305	9.308	-0.003	80936698	0.0834			
2	100	10.927	10.930	-0.003	39979810	0.0935			
						RPD = 11.41			
15 Endosulfan II									
1	100	9.398	9.400	-0.002	76251660	0.0697			
2	100	10.970	10.973	-0.003	36758523	0.0757			
						RPD = 8.33			
3 4,4'-DDT									
1	100	9.822	9.826	-0.004	79863569	0.0866			
2	100	11.405	11.408	-0.003	35155208	0.0889			
						RPD = 2.60			
18 Endrin aldehyde									
1	100	10.188	10.192	-0.004	66203021	0.0752			
2	100	11.528	11.528	0.000	33393427	0.0845			
						RPD = 11.71			
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.767	10.770	-0.003	38872853	0.0842			
2	100	12.475	12.479	-0.004	17890419	0.0897			
						RPD = 6.23			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.910	10.913	-0.003	77447321	0.0789			
2	100	11.941	11.943	-0.002	38432326	0.0869			
						RPD = 9.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.308	11.313	-0.005	87709583	0.0766			
2	100	12.690	12.692	-0.002	44559604	0.0888			
						RPD = 14.77			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	14919256	0.0155			
2	100	14.399	14.400	-0.001	6836609	0.0142			
						RPD = 8.84			

QC Flag Legend

Processing Flags
1 - Missing Peaks

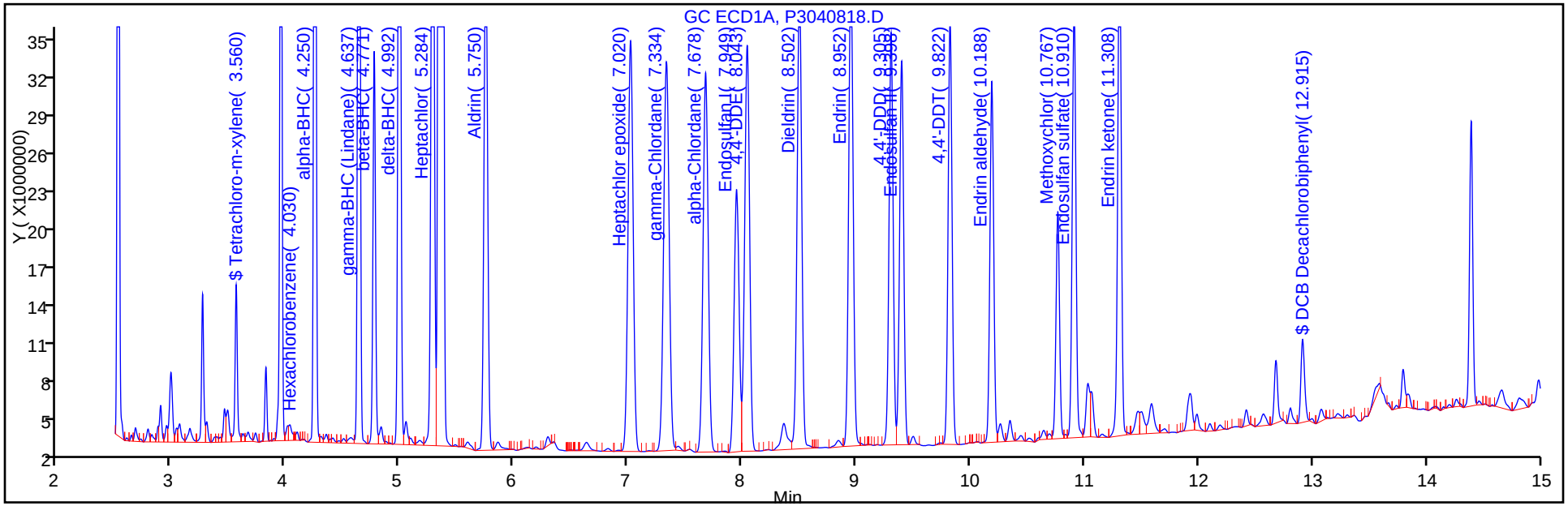
Report Date: 09-Apr-2013 09:28:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

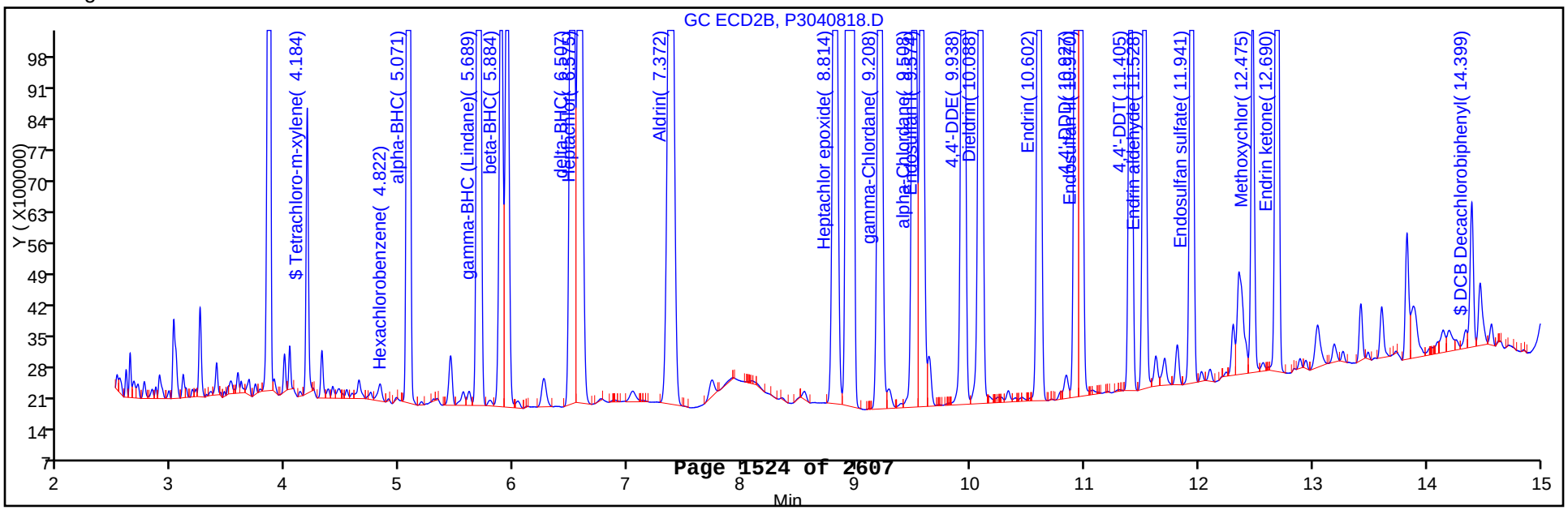
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040818.D

Injection Date:	08-Apr-2013 18:35:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS Lab Sample ID: 240-22488-23 MS

Matrix: Solid Lab File ID: P3040818.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.75(g) Date Analyzed: 04/08/2013 18:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		55-130
877-09-8	Tetrachloro-m-xylene	76		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040818.D
Lims ID: 240-22488-G-23-F MS Client ID:
Inject. Date: 08-Apr-2013 18:35:20 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0018656-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 81016 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:24:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.560	3.561	-0.001	17525368	0.0159			
2	100	4.184	4.183	0.001	9136568	0.0151			
						RPD = 5.16			
24 Hexachlorobenzene									
1	100	4.030	4.032	-0.002	2457862	0.001902			
2	100	4.822	4.818	0.004	1008973	0.001459			
						RPD = 26.37			
5 alpha-BHC									
1	100	4.250	4.251	-0.001	132999500	0.0819			
2	100	5.071	5.071	0.000	72420181	0.0941			
						RPD = 13.81			
20 gamma-BHC (Lindane)									
1	100	4.637	4.638	-0.001	121030062	0.0832			
2	100	5.689	5.689	0.000	64571975	0.0954			
						RPD = 13.67			
7 beta-BHC									
1	100	4.771	4.773	-0.002	48558249	0.0785			
2	100	5.884	5.885	-0.001	25243772	0.0854			
						RPD = 8.37			
11 delta-BHC									
1	100	4.992	4.993	-0.001	120718499	0.0816			
2	100	6.507	6.508	-0.001	52411442	0.0753			
						RPD = 7.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.284	5.285	-0.001	115321223	0.0895			
2	100	6.575	6.576	-0.001	52154695	0.0895			
						RPD = 0.08			
4 Aldrin									
1	100	5.750	5.752	-0.002	90212507	0.0663			
2	100	7.372	7.373	-0.001	58933672	0.0885			
						RPD = 28.61			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.020	7.023	-0.003	100967963	0.0821			
2	100	8.814	8.818	-0.004	49800311	0.0857			
						RPD = 4.27			
21 gamma-Chlordane									
1	100	7.334	7.338	-0.004	103683198	0.0821			
2	100	9.208	9.208	0.000	51827601	0.0884			
						RPD = 7.38			
6 alpha-Chlordane									
1	100	7.678	7.682	-0.004	93288557	0.0723			
2	100	9.508	9.509	-0.001	50440197	0.0826			
						RPD = 13.31			
14 Endosulfan I									
1	100	7.949	7.953	-0.004	62739492	0.0544			
2	100	9.574	9.577	-0.003	39060589	0.0735			
						RPD = 29.83			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	96011360	0.0758			
2	100	9.938	9.940	-0.002	51611309	0.0846			
						RPD = 11.00			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.502	8.504	-0.002	102592137	0.0809			
2	100	10.088	10.092	-0.004	53264516	0.0896			
						RPD = 10.24			
17 Endrin									
1	100	8.952	8.954	-0.002	102177583	0.0859			
2	100	10.602	10.606	-0.004	48261485	0.0901			
						RPD = 4.71			
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.305	9.308	-0.003	80936698	0.0834			
2	100	10.927	10.930	-0.003	39979810	0.0935			
						RPD = 11.41			
15 Endosulfan II									
1	100	9.398	9.400	-0.002	76251660	0.0697			
2	100	10.970	10.973	-0.003	36758523	0.0757			
						RPD = 8.33			
3 4,4'-DDT									
1	100	9.822	9.826	-0.004	79863569	0.0866			
2	100	11.405	11.408	-0.003	35155208	0.0889			
						RPD = 2.60			
18 Endrin aldehyde									
1	100	10.188	10.192	-0.004	66203021	0.0752			
2	100	11.528	11.528	0.000	33393427	0.0845			
						RPD = 11.71			
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.767	10.770	-0.003	38872853	0.0842			
2	100	12.475	12.479	-0.004	17890419	0.0897			
						RPD = 6.23			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.910	10.913	-0.003	77447321	0.0789			
2	100	11.941	11.943	-0.002	38432326	0.0869			
						RPD = 9.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.308	11.313	-0.005	87709583	0.0766			
2	100	12.690	12.692	-0.002	44559604	0.0888			
						RPD = 14.77			
$ 10 DCB Decachlorobiphenyl									
1	100	12.915	12.918	-0.003	14919256	0.0155			
2	100	14.399	14.400	-0.001	6836609	0.0142			
						RPD = 8.84			

QC Flag Legend

Processing Flags
1 - Missing Peaks

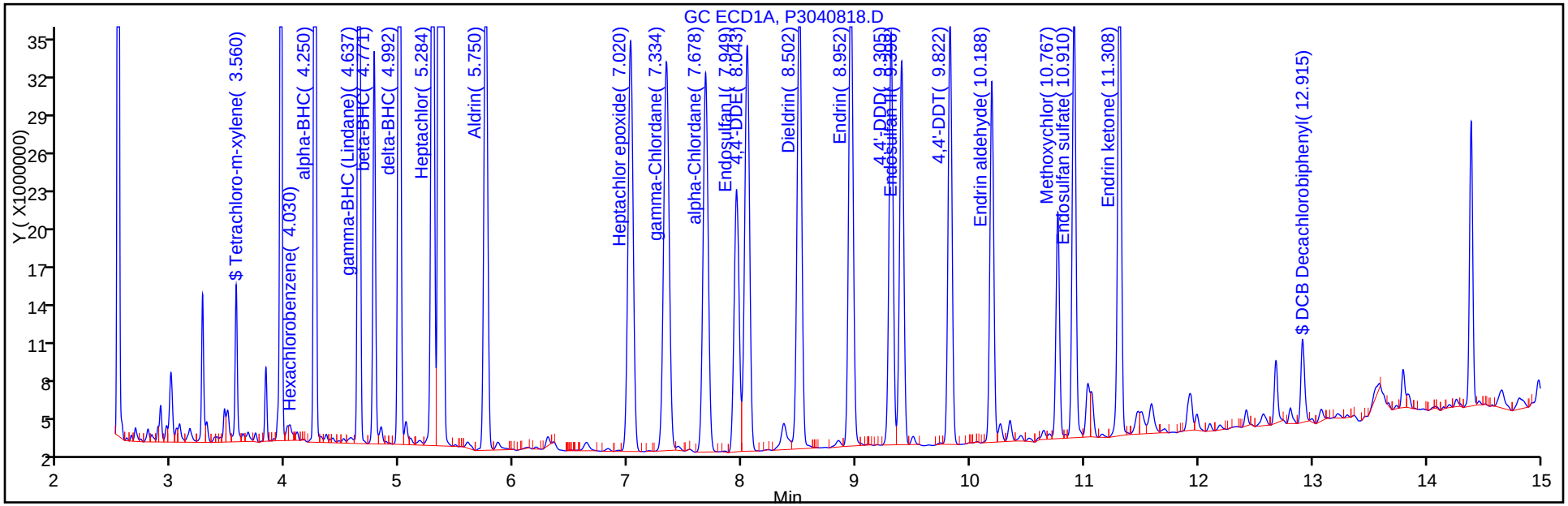
Report Date: 09-Apr-2013 09:28:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

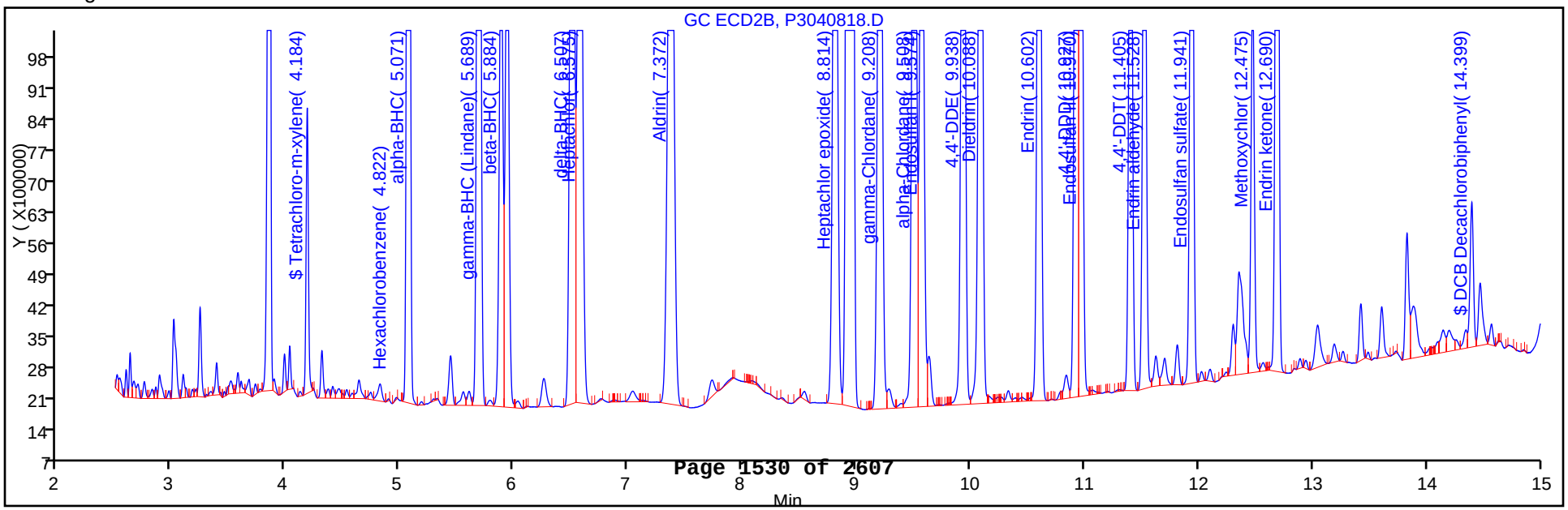
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040818.D

Injection Date:	08-Apr-2013 18:35:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD | Lab Sample ID: 240-22488-23 MSD

Matrix: Solid | Lab File ID: P3040819.D

Analysis Method: 8081/DOD | Date Collected: 03/25/2013 16:45

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.80(g) | Date Analyzed: 04/08/2013 18:55

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	28.7		2.0	0.67	0.62
72-55-9	4,4'-DDE	25.6		1.7	0.67	0.39
50-29-3	4,4'-DDT	28.9		2.0	0.67	0.63
309-00-2	Aldrin	21.8		4.0	1.3	1.2
319-84-6	alpha-BHC	27.1		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	24.3		3.0	1.3	0.95
319-85-7	beta-BHC	26.2		3.5	1.3	1.1
319-86-8	delta-BHC	27.3		4.0	1.3	1.2
60-57-1	Dieldrin	27.2		1.7	0.67	0.47
959-98-8	Endosulfan I	18.3		1.7	0.67	0.52
33213-65-9	Endosulfan II	23.8		2.5	1.3	0.83
1031-07-8	Endosulfan sulfate	26.4		3.0	1.3	0.88
72-20-8	Endrin	28.9		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	25.3		3.0	1.3	1.0
53494-70-5	Endrin ketone	26.2		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	27.3		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	27.9		1.7	0.67	0.42
76-44-8	Heptachlor	28.5		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	27.5		2.5	1.3	0.81
72-43-5	Methoxychlor	28.0		5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		55-130
877-09-8	Tetrachloro-m-xylene	74		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040819.D
Lims ID: 240-22488-G-23-G MSD Client ID:
Inject. Date: 08-Apr-2013 18:55:28 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0018656-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 81016 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:24:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.562	3.561	0.001	16320728	0.0148			
2	100	4.184	4.183	0.001	9415555	0.0156			
						RPD = 4.96			
24 Hexachlorobenzene									
1	100	4.026	4.032	-0.006	1306978	0.001012			
2	100	4.822	4.818	0.004	841455	0.001217			
						RPD = 18.42			
5 alpha-BHC									
1	100	4.251	4.251	0.000	131255271	0.0808			
2	100	5.072	5.071	0.001	71882906	0.0934			
						RPD = 14.38			
20 gamma-BHC (Lindane)									
1	100	4.637	4.638	-0.001	118418670	0.0814			
2	100	5.689	5.689	0.000	63893281	0.0944			
						RPD = 14.79			
7 beta-BHC									
1	100	4.772	4.773	-0.001	48226817	0.0780			
2	100	5.884	5.885	-0.001	24833474	0.0840			
						RPD = 7.41			
11 delta-BHC									
1	100	4.993	4.993	0.000	120512847	0.0814			
2	100	6.507	6.508	-0.001	52700382	0.0758			
						RPD = 7.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.285	5.285	0.000	109503420	0.0850			
2	100	6.575	6.576	-0.001	50032709	0.0858			
						RPD = 0.95			
4 Aldrin									
1	100	5.750	5.752	-0.002	88391171	0.0650			
2	100	7.374	7.373	0.001	58307488	0.0875			
						RPD = 29.56			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.020	7.023	-0.003	100833221	0.0820			
2	100	8.815	8.818	-0.003	50251194	0.0864			
						RPD = 5.30			
21 gamma-Chlordane									
1	100	7.334	7.338	-0.004	104879782	0.0830			
2	100	9.207	9.208	-0.001	52374274	0.0893			
						RPD = 7.29			
6 alpha-Chlordane									
1	100	7.679	7.682	-0.003	93203355	0.0723			
2	100	9.508	9.509	-0.001	50641013	0.0830			
						RPD = 13.79			
14 Endosulfan I									
1	100	7.951	7.953	-0.002	62908025	0.0546			
2	100	9.575	9.577	-0.002	39070479	0.0735			
						RPD = 29.59			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	96623002	0.0763			
2	100	9.939	9.940	-0.001	51624921	0.0847			
						RPD = 10.39			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.501	8.504	-0.003	102813168	0.0811			
2	100	10.090	10.092	-0.002	53071590	0.0893			
						RPD = 9.67			
17 Endrin									
1	100	8.953	8.954	-0.001	102510494	0.0862			
2	100	10.604	10.606	-0.002	48434751	0.0904			
						RPD = 4.75			
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.306	9.308	-0.002	82963375	0.0855			
2	100	10.926	10.930	-0.004	40526669	0.0948			
						RPD = 10.30			
15 Endosulfan II									
1	100	9.399	9.400	-0.001	77640525	0.0709			
2	100	10.971	10.973	-0.002	37553999	0.0774			
						RPD = 8.66			
3 4,4'-DDT									
1	100	9.823	9.826	-0.003	79346471	0.0860			
2	100	11.407	11.408	-0.001	36126345	0.0913			
						RPD = 5.97			
18 Endrin aldehyde									
1	100	10.189	10.192	-0.003	66286318	0.0753			
2	100	11.529	11.528	0.001	33706638	0.0853			
						RPD = 12.52			
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.768	10.770	-0.002	38448273	0.0833			
2	100	12.477	12.479	-0.002	18552889	0.0930			
						RPD = 10.96			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.911	10.913	-0.002	77090221	0.0786			
2	100	11.941	11.943	-0.002	39338139	0.0890			
						RPD = 12.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.309	11.313	-0.004	89399084	0.0781			
2	100	12.689	12.692	-0.003	46220648	0.0922			
						RPD = 16.51			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	15874846	0.0165			
2	100	14.397	14.400	-0.003	8012137	0.0167			
						RPD = 0.82			

QC Flag Legend

Processing Flags
1 - Missing Peaks

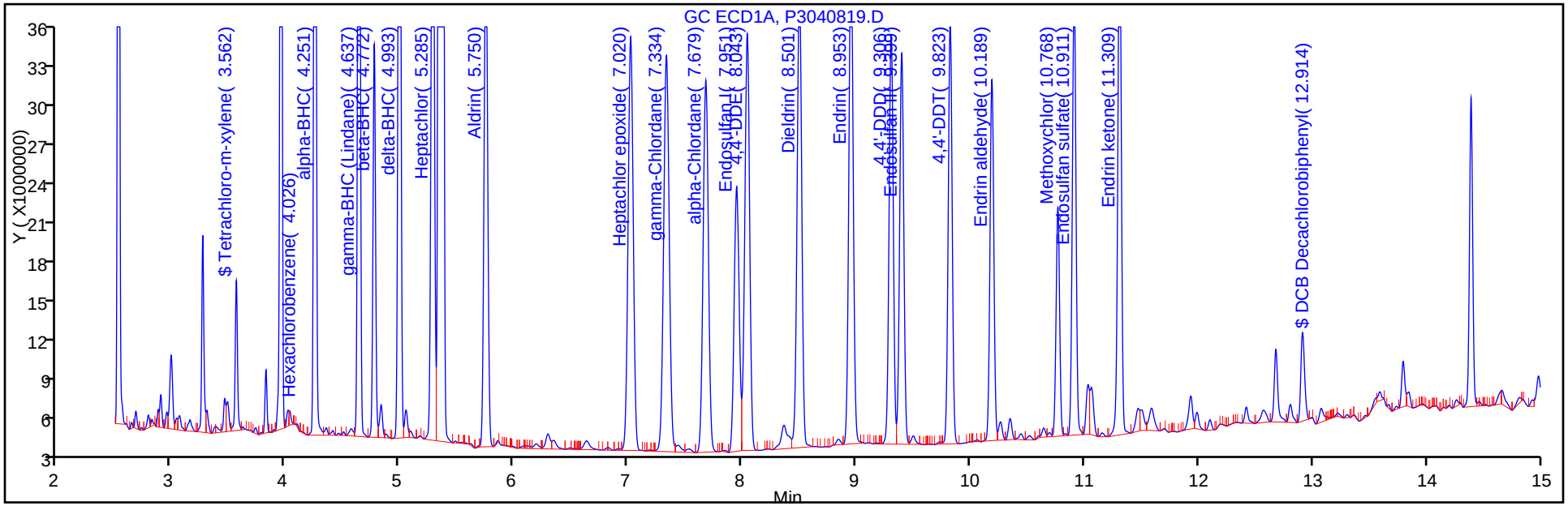
Report Date: 09-Apr-2013 09:28:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

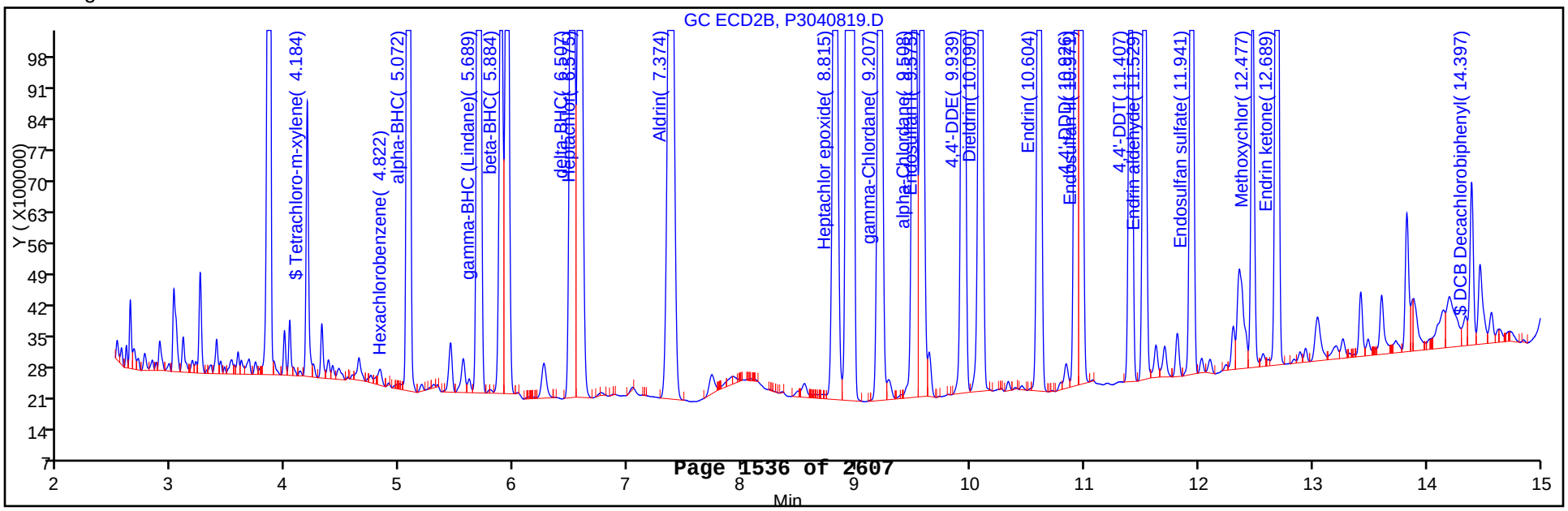
Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040819.D

Injection Date:	08-Apr-2013 18:55:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD Lab Sample ID: 240-22488-23 MSD

Matrix: Solid Lab File ID: P3040819.D

Analysis Method: 8081/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:42

Sample wt/vol: 29.80(g) Date Analyzed: 04/08/2013 18:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 81016 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		55-130
877-09-8	Tetrachloro-m-xylene	78		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130408-18656.b\P3040819.D
Lims ID: 240-22488-G-23-G MSD Client ID:
Inject. Date: 08-Apr-2013 18:55:28 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0018656-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 81016 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130408-18656.b\PEST3.m
Last Update: 09-Apr-2013 09:28:36 Calib Date: 18-Mar-2013 13:40:37
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130318-18048.b\P3031810.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

First Level Reviewer: shockr Date: 09-Apr-2013 09:24:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.562	3.561	0.001	16320728	0.0148			
2	100	4.184	4.183	0.001	9415555	0.0156			
						RPD = 4.96			
24 Hexachlorobenzene									
1	100	4.026	4.032	-0.006	1306978	0.001012			
2	100	4.822	4.818	0.004	841455	0.001217			
						RPD = 18.42			
5 alpha-BHC									
1	100	4.251	4.251	0.000	131255271	0.0808			
2	100	5.072	5.071	0.001	71882906	0.0934			
						RPD = 14.38			
20 gamma-BHC (Lindane)									
1	100	4.637	4.638	-0.001	118418670	0.0814			
2	100	5.689	5.689	0.000	63893281	0.0944			
						RPD = 14.79			
7 beta-BHC									
1	100	4.772	4.773	-0.001	48226817	0.0780			
2	100	5.884	5.885	-0.001	24833474	0.0840			
						RPD = 7.41			
11 delta-BHC									
1	100	4.993	4.993	0.000	120512847	0.0814			
2	100	6.507	6.508	-0.001	52700382	0.0758			
						RPD = 7.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.166						
1	2		6.050						
1	3		7.335						
1	4		7.673						
2	100		6.248						
2	2		7.874						
2	3		9.203						
2	4		9.505						
22 Heptachlor									
1	100	5.285	5.285	0.000	109503420	0.0850			
2	100	6.575	6.576	-0.001	50032709	0.0858			
						RPD = 0.95			
4 Aldrin									
1	100	5.750	5.752	-0.002	88391171	0.0650			
2	100	7.374	7.373	0.001	58307488	0.0875			
						RPD = 29.56			
12 Diallate									1
1	100		5.769						
1	2		0.0						
2	100		0.0						
2	2		6.690						
25 Isodrin									
1	100		6.354						
2	100		8.353						
23 Heptachlor epoxide									
1	100	7.020	7.023	-0.003	100833221	0.0820			
2	100	8.815	8.818	-0.003	50251194	0.0864			
						RPD = 5.30			
21 gamma-Chlordane									
1	100	7.334	7.338	-0.004	104879782	0.0830			
2	100	9.207	9.208	-0.001	52374274	0.0893			
						RPD = 7.29			
6 alpha-Chlordane									
1	100	7.679	7.682	-0.003	93203355	0.0723			
2	100	9.508	9.509	-0.001	50641013	0.0830			
						RPD = 13.79			
14 Endosulfan I									
1	100	7.951	7.953	-0.002	62908025	0.0546			
2	100	9.575	9.577	-0.002	39070479	0.0735			
						RPD = 29.59			
2 4,4'-DDE									
1	100	8.043	8.045	-0.002	96623002	0.0763			
2	100	9.939	9.940	-0.001	51624921	0.0847			
						RPD = 10.39			
28 Mirex									1
1	100		8.279						
2	100		9.197						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
13 Dieldrin									
1	100	8.501	8.504	-0.003	102813168	0.0811			
2	100	10.090	10.092	-0.002	53071590	0.0893			
						RPD = 9.67			
17 Endrin									
1	100	8.953	8.954	-0.001	102510494	0.0862			
2	100	10.604	10.606	-0.002	48434751	0.0904			
						RPD = 4.75			
26 Kepone									
1	100		9.013						
2	100		10.754						
1 4,4'-DDD									
1	100	9.306	9.308	-0.002	82963375	0.0855			
2	100	10.926	10.930	-0.004	40526669	0.0948			
						RPD = 10.30			
15 Endosulfan II									
1	100	9.399	9.400	-0.001	77640525	0.0709			
2	100	10.971	10.973	-0.002	37553999	0.0774			
						RPD = 8.66			
3 4,4'-DDT									
1	100	9.823	9.826	-0.003	79346471	0.0860			
2	100	11.407	11.408	-0.001	36126345	0.0913			
						RPD = 5.97			
18 Endrin aldehyde									
1	100	10.189	10.192	-0.003	66286318	0.0753			
2	100	11.529	11.528	0.001	33706638	0.0853			
						RPD = 12.52			
30 Toxaphene									
1	1		10.376						
1	2		10.720						
1	3		10.868						
1	4		11.282						
1	5		11.548						
2	100		10.528						
2	2		11.116						
2	3		11.531						
2	4		12.270						
2	5		12.828						
27 Methoxychlor									
1	100	10.768	10.770	-0.002	38448273	0.0833			
2	100	12.477	12.479	-0.002	18552889	0.0930			
						RPD = 10.96			
9 Chlorobenzilate									
1	100		10.876						
2	100		11.728						
16 Endosulfan sulfate									
1	100	10.911	10.913	-0.002	77090221	0.0786			
2	100	11.941	11.943	-0.002	39338139	0.0890			
						RPD = 12.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.309	11.313	-0.004	89399084	0.0781			
2	100	12.689	12.692	-0.003	46220648	0.0922			
						RPD = 16.51			
$ 10 DCB Decachlorobiphenyl									
1	100	12.914	12.918	-0.004	15874846	0.0165			
2	100	14.397	14.400	-0.003	8012137	0.0167			
						RPD = 0.82			

QC Flag Legend

Processing Flags
1 - Missing Peaks

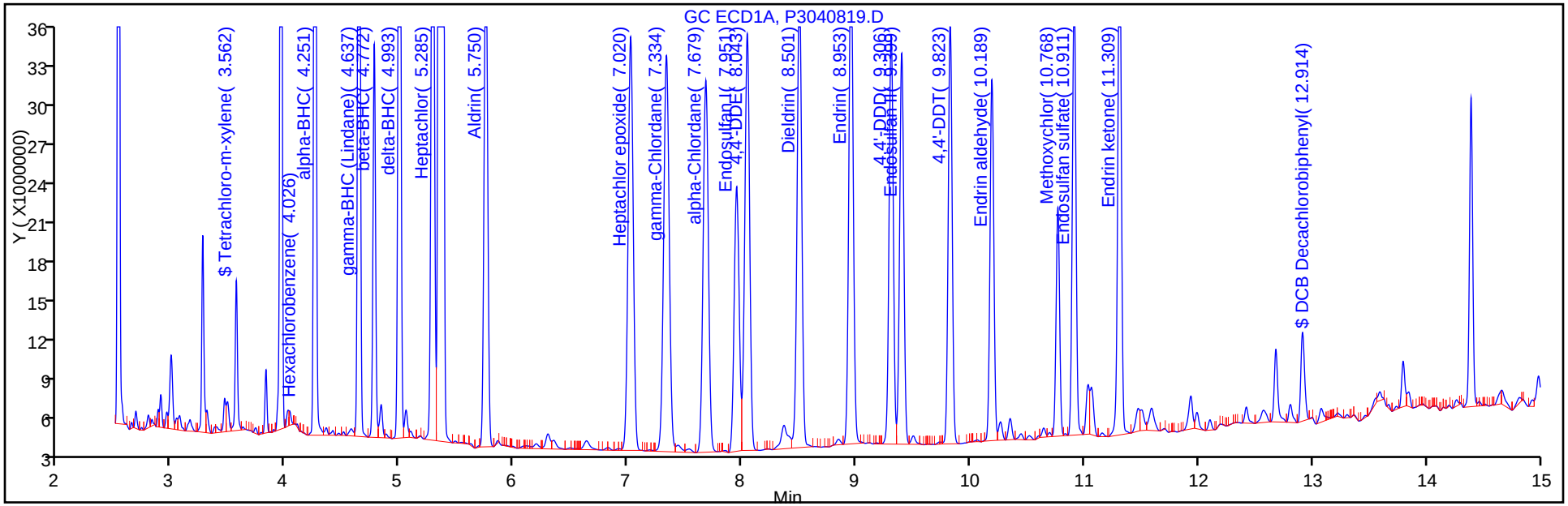
Report Date: 09-Apr-2013 09:28:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

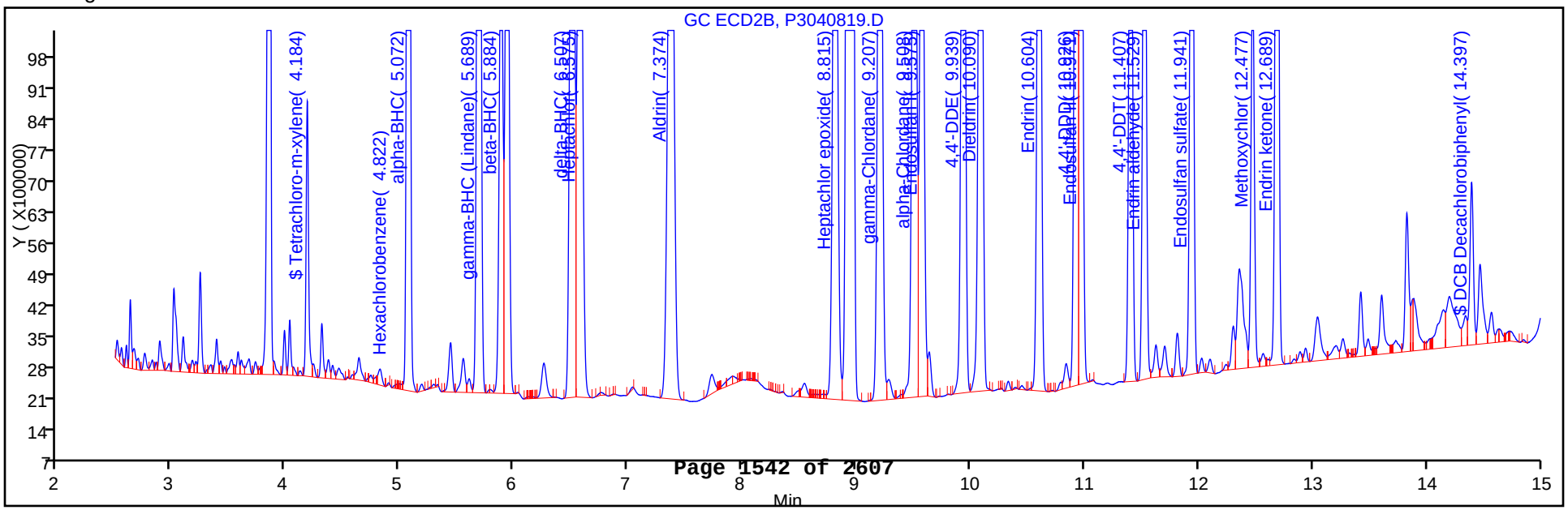
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Injection Date:	08-Apr-2013 18:55:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	81016	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP3 Start Date: 03/14/2013 14:00

Analysis Batch Number: 78295 End Date: 03/14/2013 20:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-78295/12		03/14/2013 14:00	1	P3031412.D	CLP-1 0.53(mm)
PEM 240-78295/12		03/14/2013 14:00	1	P3031412.D	CLP-2 0.53(mm)
STD 240-78295/13 IC		03/14/2013 14:20	1	P3031413.D	CLP-1 0.53(mm)
STD 240-78295/13 IC		03/14/2013 14:20	1	P3031413.D	CLP-2 0.53(mm)
STD 240-78295/14 IC		03/14/2013 14:40	1	P3031414.D	CLP-1 0.53(mm)
STD 240-78295/14 IC		03/14/2013 14:40	1	P3031414.D	CLP-2 0.53(mm)
STD 240-78295/15 ICRT		03/14/2013 15:00	1	P3031415.D	CLP-1 0.53(mm)
STD 240-78295/15 ICRT		03/14/2013 15:00	1	P3031415.D	CLP-2 0.53(mm)
STD 240-78295/16 IC		03/14/2013 15:20	1	P3031416.D	CLP-1 0.53(mm)
STD 240-78295/16 IC		03/14/2013 15:20	1	P3031416.D	CLP-2 0.53(mm)
STD 240-78295/17 IC		03/14/2013 15:40	1	P3031417.D	CLP-1 0.53(mm)
STD 240-78295/17 IC		03/14/2013 15:40	1	P3031417.D	CLP-2 0.53(mm)
STD 240-78295/18 IC		03/14/2013 16:00	1	P3031418.D	CLP-1 0.53(mm)
STD 240-78295/18 IC		03/14/2013 16:00	1	P3031418.D	CLP-2 0.53(mm)
ICV 240-78295/19		03/14/2013 16:20	1	P3031419.D	CLP-1 0.53(mm)
ICV 240-78295/19		03/14/2013 16:20	1	P3031419.D	CLP-2 0.53(mm)
STD 240-78295/20 IC		03/14/2013 16:40	1	P3031420.D	CLP-1 0.53(mm)
STD 240-78295/20 IC		03/14/2013 16:40	1	P3031420.D	CLP-2 0.53(mm)
STD 240-78295/21 IC		03/14/2013 17:00	1	P3031421.D	CLP-1 0.53(mm)
STD 240-78295/21 IC		03/14/2013 17:00	1	P3031421.D	CLP-2 0.53(mm)
STD 240-78295/22 IC		03/14/2013 17:20	1	P3031422.D	CLP-1 0.53(mm)
STD 240-78295/22 IC		03/14/2013 17:20	1	P3031422.D	CLP-2 0.53(mm)
STD 240-78295/23 IC		03/14/2013 17:40	1	P3031423.D	CLP-1 0.53(mm)
STD 240-78295/23 IC		03/14/2013 17:40	1	P3031423.D	CLP-2 0.53(mm)
STD 240-78295/24 IC		03/14/2013 18:00	1	P3031424.D	CLP-1 0.53(mm)
STD 240-78295/24 IC		03/14/2013 18:00	1	P3031424.D	CLP-2 0.53(mm)
ICV 240-78295/25		03/14/2013 18:20	1	P3031425.D	CLP-1 0.53(mm)
ICV 240-78295/25		03/14/2013 18:20	1	P3031425.D	CLP-2 0.53(mm)
STD 240-78295/26 IC		03/14/2013 18:40	1		CLP-1 0.53(mm)
STD 240-78295/26 IC		03/14/2013 18:40	1		CLP-2 0.53(mm)
STD 240-78295/27 IC		03/14/2013 19:00	1		CLP-1 0.53(mm)
STD 240-78295/27 IC		03/14/2013 19:00	1		CLP-2 0.53(mm)
STD 240-78295/28 IC		03/14/2013 19:20	1		CLP-1 0.53(mm)
STD 240-78295/28 IC		03/14/2013 19:20	1		CLP-2 0.53(mm)
STD 240-78295/29 IC		03/14/2013 19:40	1		CLP-1 0.53(mm)
STD 240-78295/29 IC		03/14/2013 19:40	1		CLP-2 0.53(mm)
STD 240-78295/30 IC		03/14/2013 20:00	1		CLP-1 0.53(mm)
STD 240-78295/30 IC		03/14/2013 20:00	1		CLP-2 0.53(mm)
ICV 240-78295/31		03/14/2013 20:20	1		CLP-1 0.53(mm)
ICV 240-78295/31		03/14/2013 20:20	1		CLP-2 0.53(mm)
PEM 240-78295/32		03/14/2013 20:40	1		CLP-1 0.53(mm)
PEM 240-78295/32		03/14/2013 20:40	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP3 Start Date: 04/08/2013 13:52

Analysis Batch Number: 81016 End Date: 04/08/2013 20:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-81016/4		04/08/2013 13:52	1	P3040804.D	CLP-1 0.53(mm)
PEM 240-81016/4		04/08/2013 13:52	1	P3040804.D	CLP-2 0.53(mm)
CCV 240-81016/5 CCVRT		04/08/2013 14:13	1	P3040805.D	CLP-1 0.53(mm)
CCV 240-81016/5 CCVRT		04/08/2013 14:13	1	P3040805.D	CLP-2 0.53(mm)
MRL 240-81016/6		04/08/2013 14:33	1	P3040806.D	CLP-1 0.53(mm)
MRL 240-81016/6		04/08/2013 14:33	1	P3040806.D	CLP-2 0.53(mm)
CCV 240-81016/7		04/08/2013 14:53	1	P3040807.D	CLP-1 0.53(mm)
CCV 240-81016/7		04/08/2013 14:53	1	P3040807.D	CLP-2 0.53(mm)
ZZZZZ		04/08/2013 15:54	1		CLP-1 0.53(mm)
ZZZZZ		04/08/2013 15:54	1		CLP-2 0.53(mm)
ZZZZZ		04/08/2013 16:14	1		CLP-1 0.53(mm)
ZZZZZ		04/08/2013 16:14	1		CLP-2 0.53(mm)
CCV 240-81016/12		04/08/2013 16:34	1	P3040812.D	CLP-1 0.53(mm)
CCV 240-81016/12		04/08/2013 16:34	1	P3040812.D	CLP-2 0.53(mm)
240-22488-5	079SB-0130M-0001-SO	04/08/2013 16:54	1	P3040813.D	CLP-1 0.53(mm)
240-22488-5	079SB-0130M-0001-SO	04/08/2013 16:54	1	P3040813.D	CLP-2 0.53(mm)
240-22488-7	079SB-0132M-0001-SO	04/08/2013 17:14	1	P3040814.D	CLP-1 0.53(mm)
240-22488-7	079SB-0132M-0001-SO	04/08/2013 17:14	1	P3040814.D	CLP-2 0.53(mm)
240-22488-11	079SB-0136M-0001-SO	04/08/2013 17:34	1	P3040815.D	CLP-1 0.53(mm)
240-22488-11	079SB-0136M-0001-SO	04/08/2013 17:34	1	P3040815.D	CLP-2 0.53(mm)
240-22488-18	079SB-0144M-0001-SO	04/08/2013 17:54	1	P3040816.D	CLP-1 0.53(mm)
240-22488-18	079SB-0144M-0001-SO	04/08/2013 17:54	1	P3040816.D	CLP-2 0.53(mm)
240-22488-23	079SS-0053M-0001-SO	04/08/2013 18:15	1	P3040817.D	CLP-1 0.53(mm)
240-22488-23	079SS-0053M-0001-SO	04/08/2013 18:15	1	P3040817.D	CLP-2 0.53(mm)
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 18:35	1	P3040818.D	CLP-1 0.53(mm)
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 18:35	1	P3040818.D	CLP-2 0.53(mm)
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 18:55	1	P3040819.D	CLP-1 0.53(mm)
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 18:55	1	P3040819.D	CLP-2 0.53(mm)
MB 240-80550/10-A		04/08/2013 19:15	1	P3040820.D	CLP-1 0.53(mm)
MB 240-80550/10-A		04/08/2013 19:15	1	P3040820.D	CLP-2 0.53(mm)
LCS 240-80550/11-A		04/08/2013 19:35	1	P3040821.D	CLP-1 0.53(mm)
LCS 240-80550/11-A		04/08/2013 19:35	1	P3040821.D	CLP-2 0.53(mm)
CCV 240-81016/22		04/08/2013 19:55	1	P3040822.D	CLP-1 0.53(mm)
CCV 240-81016/22		04/08/2013 19:55	1	P3040822.D	CLP-2 0.53(mm)
MRL 240-81016/23		04/08/2013 20:16	1	P3040823.D	CLP-1 0.53(mm)
MRL 240-81016/23		04/08/2013 20:16	1	P3040823.D	CLP-2 0.53(mm)
CCV 240-81016/24		04/08/2013 20:36	1	P3040824.D	CLP-1 0.53(mm)
CCV 240-81016/24		04/08/2013 20:36	1	P3040824.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80550 Batch Start Date: 04/04/13 14:30 Batch Analyst: Shabani, Jawad

Batch Method: 3540C Batch End Date: 04/05/13 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX2/.2SURRW 00023	EXPSTNPDESSPW 00012	AnalysisComment	
240-22488-G-5-A	079SB-0130M-0001 -SO	3540C, 8081/DOD	T	30.28 g	10 mL	1 mL		assoc w/80543	
240-22488-G-7-A	079SB-0132M-0001 -SO	3540C, 8081/DOD	T	30.47 g	10 mL	1 mL		assoc w/80543	
240-22488-G-11-A	079SB-0136M-0001 -SO	3540C, 8081/DOD	T	30.06 g	10 mL	1 mL		assoc w/80543	
240-22488-G-18-A	079SB-0144M-0001 -SO	3540C, 8081/DOD	T	30.20 g	10 mL	1 mL		assoc w/80543	
240-22488-G-23-A	079SS-0053M-0001 -SO	3540C, 8081/DOD	T	29.92 g	10 mL	1 mL		assoc w/80543	
240-22488-G-23-A MS	079SS-0053M-0001 -SO	3540C, 8081/DOD	T	29.75 g	10 mL	1 mL	1 mL		
240-22488-G-23-A MSD	079SS-0053M-0001 -SO	3540C, 8081/DOD	T	29.80 g	10 mL	1 mL	1 mL		
MB 240-80550/10		3540C, 8081/DOD		30.00 g	10 mL	1 mL		assoc w/80543	
LCS 240-80550/11		3540C, 8081/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Balance ID	B036
Exchange Solvent Lot #	804968
Na2SO4 Lot Number	857446
Prep Solvent Lot #	908886

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 8082 DOD

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
079SB-0130M-0001-SO	240-22488-5	106	83	70	79
079SB-0132M-0001-SO	240-22488-7	128	94	80	84
079SB-0136M-0001-SO	240-22488-11	70	63	52 Q	60
079SB-0144M-0001-SO	240-22488-18	84	78	67	74
079SS-0053M-0001-SO	240-22488-23	76	68	52 Q	69
	MB 240-80543/17-A	99	85	79	82
	LCS 240-80543/18-A	107	99	86	90
079SS-0053M-0001-SO MS	240-22488-23 MS	69	68	49 Q	66
079SS-0053M-0001-SO MSD	240-22488-23 MSD	86	85	61	70

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-80903/10	131	140	110	140 Q
	MRL 240-80903/24		136		112

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1200022.D

Lab ID: LCS 240-80543/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	325	97	40-140	
Aroclor-1016	333	319	96	40-140	
Aroclor-1260	333	324	97	60-130	
Aroclor-1260	333	329	99	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1200010.D

Lab ID: MRL 240-80903/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0606	121	70-130	
Aroclor-1016	0.0500	0.0597	119	70-130	
Aroclor-1260	0.0500	0.0526	105	70-130	
Aroclor-1260	0.0500	0.0513	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1200024.D

Lab ID: MRL 240-80903/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0603	121	70-130	
Aroclor-1016	0.0500	0.0619	124	70-130	
Aroclor-1260	0.0500	0.0540	108	70-130	
Aroclor-1260	0.0500	0.0524	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1200020.D

Lab ID: 240-22488-23 MS Client ID: 079SS-0053M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	332	25 U	226	68	40-140	
Aroclor-1260	332	25 U	216	65	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1200021.D

Lab ID: 240-22488-23 MSD Client ID: 079SS-0053M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	333	280	84	21	30	40-140	
Aroclor-1260	333	270	81	22	30	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: MB 240-80543/17-A

Matrix: Solid Date Extracted: 04/04/2013 09:20

Lab File ID:(1) P1200017.D Lab File ID:(2) P1200017.D

Date Analyzed:(1) 04/08/2013 10:36 Date Analyzed:(2) 04/08/2013 10:36

Instrument ID:(1) A2HP12 Instrument ID:(2) A2HP12

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
079SB-0130M-0001-SO	240-22488-5	04/08/2013 09:39	04/08/2013 09:39
079SB-0132M-0001-SO	240-22488-7	04/08/2013 09:53	04/08/2013 09:53
079SB-0136M-0001-SO	240-22488-11	04/08/2013 10:07	04/08/2013 10:07
079SB-0144M-0001-SO	240-22488-18	04/08/2013 10:22	04/08/2013 10:22
079SS-0053M-0001-SO	240-22488-23	04/08/2013 11:05	04/08/2013 11:05
079SS-0053M-0001-SO MS	240-22488-23 MS	04/08/2013 11:19	04/08/2013 11:19
079SS-0053M-0001-SO MSD	240-22488-23 MSD	04/08/2013 11:34	04/08/2013 11:34
	LCS 240-80543/18-A	04/08/2013 11:48	04/08/2013 11:48

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 240-80903/3 Date Analyzed: 04/08/2013 07:14

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1200003.D Heated Purge: (Y/N) N

Calibration ID: 14302

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.30	6.68	
UPPER LIMIT				1.40	6.78	
LOWER LIMIT				1.20	6.58	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-80903/3 CCVRT		04/08/2013 07:14	P1200003.D	1.30	6.68	
240-22488-5	079SB-0130M-0001-SO	04/08/2013 09:39	P1200013.D	1.30	6.68	
240-22488-7	079SB-0132M-0001-SO	04/08/2013 09:53	P1200014.D	1.30	6.68	
240-22488-11	079SB-0136M-0001-SO	04/08/2013 10:07	P1200015.D	1.30	6.68	
240-22488-18	079SB-0144M-0001-SO	04/08/2013 10:22	P1200016.D	1.30	6.68	
MB 240-80543/17-A		04/08/2013 10:36	P1200017.D	1.30	6.68	
CCV 240-80903/18		04/08/2013 10:50	P1200018.D	1.30	6.68	
240-22488-23	079SS-0053M-0001-SO	04/08/2013 11:05	P1200019.D	1.30	6.68	
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 11:19	P1200020.D	1.30	6.69	
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 11:34	P1200021.D	1.30	6.68	
LCS 240-80543/18-A		04/08/2013 11:48	P1200022.D	1.30	6.68	
CCV 240-80903/23		04/08/2013 12:03	P1200023.D	1.30	6.68	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 240-80903/3 Date Analyzed: 04/08/2013 07:14

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1200003.D Heated Purge: (Y/N) N

Calibration ID: 14303

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.67	7.84	
UPPER LIMIT				1.77	7.94	
LOWER LIMIT				1.57	7.74	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-80903/3 CCVRT		04/08/2013 07:14	P1200003.D	1.67	7.84	
240-22488-5	079SB-0130M-0001-SO	04/08/2013 09:39	P1200013.D	1.67	7.84	
240-22488-7	079SB-0132M-0001-SO	04/08/2013 09:53	P1200014.D	1.67	7.84	
240-22488-11	079SB-0136M-0001-SO	04/08/2013 10:07	P1200015.D	1.67	7.84	
240-22488-18	079SB-0144M-0001-SO	04/08/2013 10:22	P1200016.D	1.67	7.84	
MB 240-80543/17-A		04/08/2013 10:36	P1200017.D	1.67	7.84	
CCV 240-80903/18		04/08/2013 10:50	P1200018.D	1.67	7.84	
240-22488-23	079SS-0053M-0001-SO	04/08/2013 11:05	P1200019.D	1.67	7.84	
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 11:19	P1200020.D	1.67	7.84	
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 11:34	P1200021.D	1.67	7.84	
LCS 240-80543/18-A		04/08/2013 11:48	P1200022.D	1.67	7.84	
CCV 240-80903/23		04/08/2013 12:03	P1200023.D	1.68	7.84	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS Lab Sample ID: 240-22488-23 MS

Instrument ID (1): A2HP12 Instrument ID (2): A2HP12

Date Analyzed (1): 04/08/2013 11:19 Date Analyzed (2): 04/08/2013 11:19

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	211	212	6.1
		2	2.54	2.49	2.59	228		
		3	3.00	2.94	3.04	235		
		4	3.14	3.08	3.18	189		
		5	3.62	3.57	3.67	199		
	2	1	1.58	1.53	1.63	228	226	
		2	1.87	1.82	1.92	227		
		3	2.27	2.22	2.32	230		
		4	2.39	2.34	2.44	229		
		5	2.78	2.73	2.83	216		
Aroclor-1260	1	1	4.95	4.90	5.00	202	197	9.3
		2	5.18	5.13	5.23	169		
		3	5.55	5.50	5.60	208		
		4	6.23	6.18	6.28	209		
		5	6.61	6.56	6.66	198		
	2	1	3.99	3.93	4.03	212	216	
		2	4.27	4.22	4.32	214		
		3	4.55	4.50	4.60	218		
		4	5.25	5.20	5.30	219		
		5	5.53	5.48	5.58	219		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD Lab Sample ID: 240-22488-23 MSD

Instrument ID (1): A2HP12 Instrument ID (2): A2HP12

Date Analyzed (1): 04/08/2013 11:34 Date Analyzed (2): 04/08/2013 11:34

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	248	253	10.0
		2	2.54	2.49	2.59	270		
		3	3.00	2.94	3.04	291		
		4	3.13	3.08	3.18	228		
		5	3.62	3.57	3.67	227		
	2	1	1.58	1.53	1.63	276	280	
		2	1.87	1.82	1.92	284		
		3	2.27	2.22	2.32	287		
		4	2.39	2.34	2.44	285		
		5	2.78	2.73	2.83	265		
Aroclor-1260	1	1	4.95	4.90	5.00	251	246	9.3
		2	5.18	5.13	5.23	231		
		3	5.55	5.50	5.60	251		
		4	6.23	6.18	6.28	258		
		5	6.61	6.56	6.66	238		
	2	1	3.99	3.93	4.03	262	270	
		2	4.27	4.22	4.32	266		
		3	4.55	4.50	4.60	273		
		4	5.25	5.20	5.30	274		
		5	5.53	5.48	5.58	275		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80543/18-A

Instrument ID (1): A2HP12 Instrument ID (2): A2HP12

Date Analyzed (1): 04/08/2013 11:48 Date Analyzed (2): 04/08/2013 11:48

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	303	319	1.8
		2	2.54	2.49	2.59	338		
		3	2.99	2.94	3.04	363		
		4	3.13	3.08	3.18	288		
		5	3.62	3.57	3.67	302		
	2	1	1.58	1.53	1.63	302	325	
		2	1.87	1.82	1.92	329		
		3	2.27	2.22	2.32	343		
		4	2.39	2.34	2.44	342		
		5	2.77	2.73	2.83	309		
Aroclor-1260	1	1	4.95	4.90	5.00	329	329	1.4
		2	5.18	5.13	5.23	313		
		3	5.55	5.50	5.60	335		
		4	6.23	6.18	6.28	350		
		5	6.61	6.56	6.66	318		
	2	1	3.98	3.93	4.03	316	324	
		2	4.27	4.22	4.32	321		
		3	4.55	4.50	4.60	330		
		4	5.25	5.20	5.30	333		
		5	5.53	5.48	5.58	321		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: P1200013.D

Analysis Method: 8082/DOD | Date Collected: 03/25/2013 17:35

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.28(g) | Date Analyzed: 04/08/2013 09:39

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	64	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	54	25	17
11097-69-1	Aroclor-1254	25	U	54	25	17
11096-82-5	Aroclor-1260	25	U	54	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		40-140
2051-24-3	DCB Decachlorobiphenyl	79		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200013.D		
Lims ID:	240-22488-G-5-B	Client ID:	079SB-0130M-0001-SO
Inject. Date:	08-Apr-2013 09:39:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-013		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	13
Lims Batch ID:	80903	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	16314229	0.0166			
2	2	1.669	1.673	-0.004	56833930	0.0213			
						RPD = 24.57			
3 PCB-1221									1
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	16145004	0.0158			
2	2	7.842	7.840	0.002	41472956	0.0140			
						RPD = 12.13			

QC Flag Legend

Processing Flags
1 - Missing Peaks

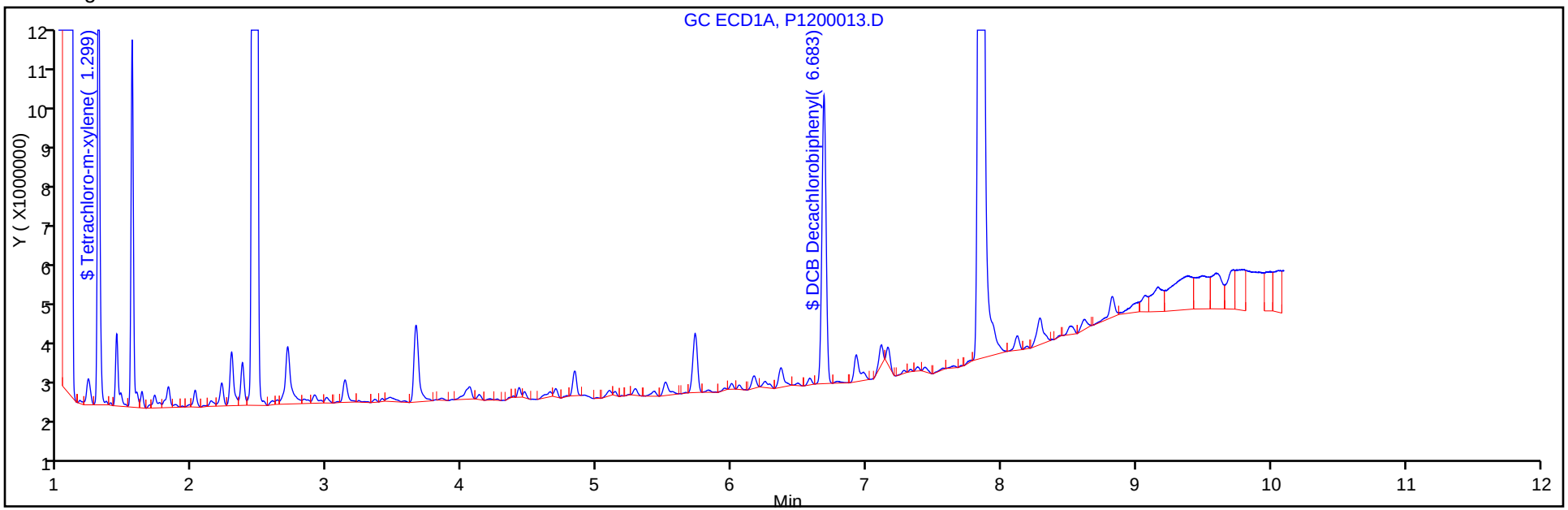
Report Date: 08-Apr-2013 13:50:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

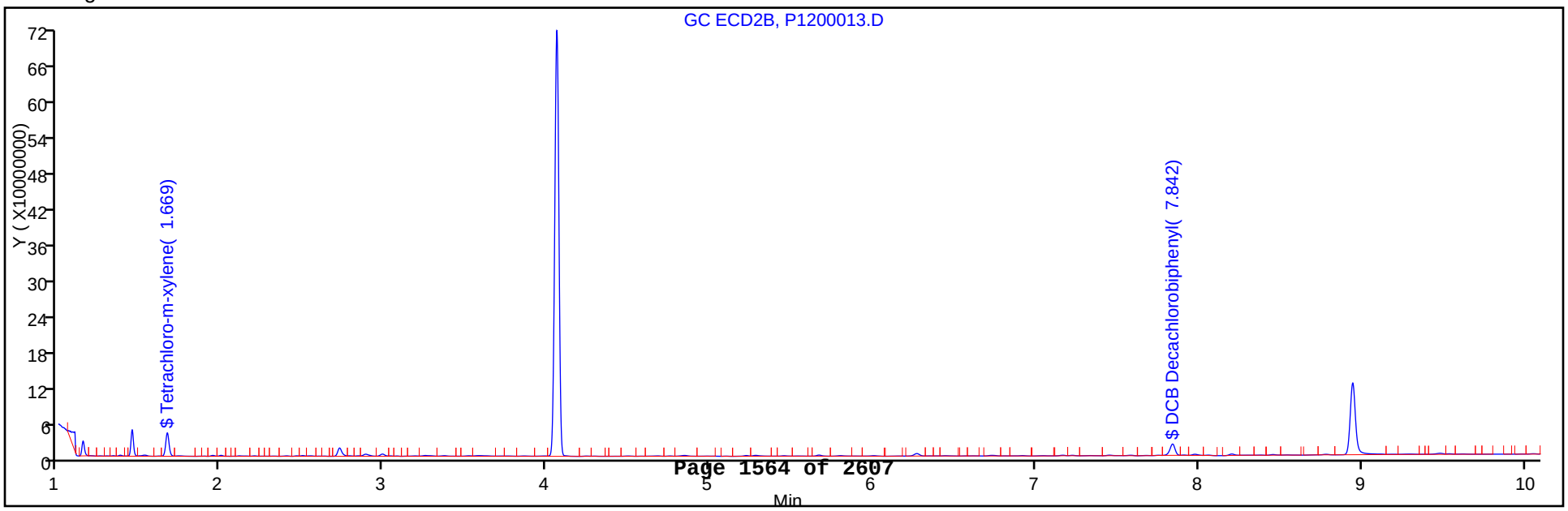
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Injection Date:	08-Apr-2013 09:39:13	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO Lab Sample ID: 240-22488-5

Matrix: Solid Lab File ID: P1200013.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 17:35

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.28(g) Date Analyzed: 04/08/2013 09:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200013.D		
Lims ID:	240-22488-G-5-B	Client ID:	079SB-0130M-0001-SO
Inject. Date:	08-Apr-2013 09:39:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-013		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	13
Lims Batch ID:	80903	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	16314229	0.0166			
2	2	1.669	1.673	-0.004	56833930	0.0213			
						RPD = 24.57			
3 PCB-1221									1
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	16145004	0.0158			
2	2	7.842	7.840	0.002	41472956	0.0140			
						RPD = 12.13			

QC Flag Legend

Processing Flags
1 - Missing Peaks

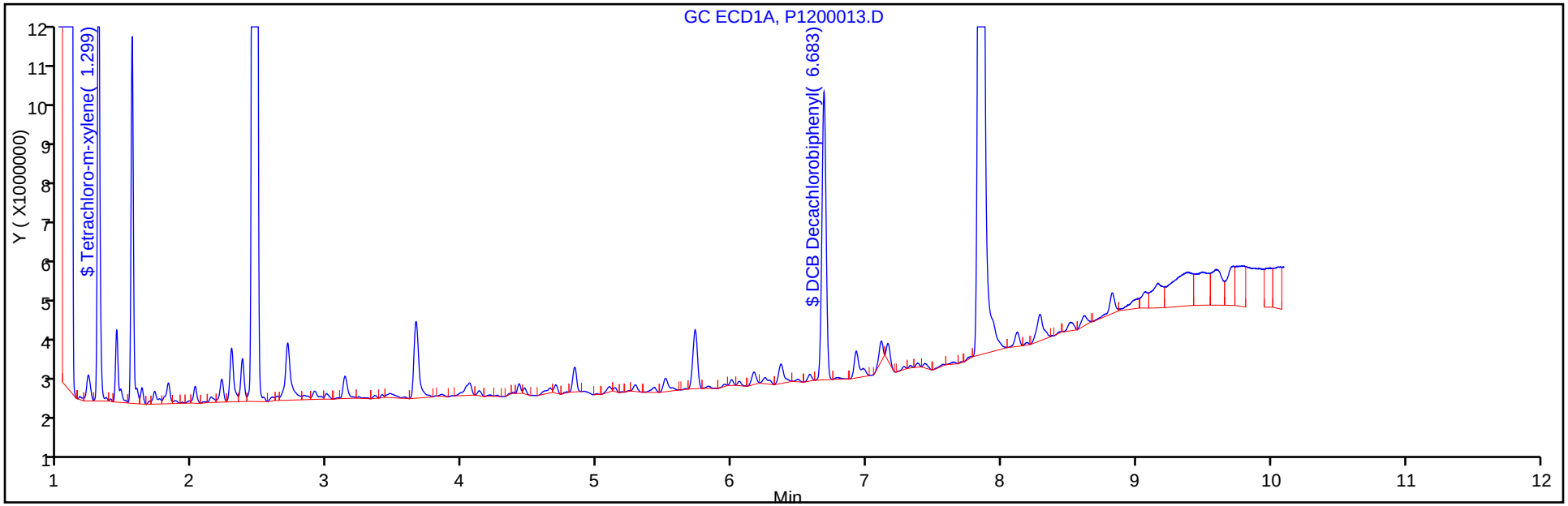
Report Date: 08-Apr-2013 13:50:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

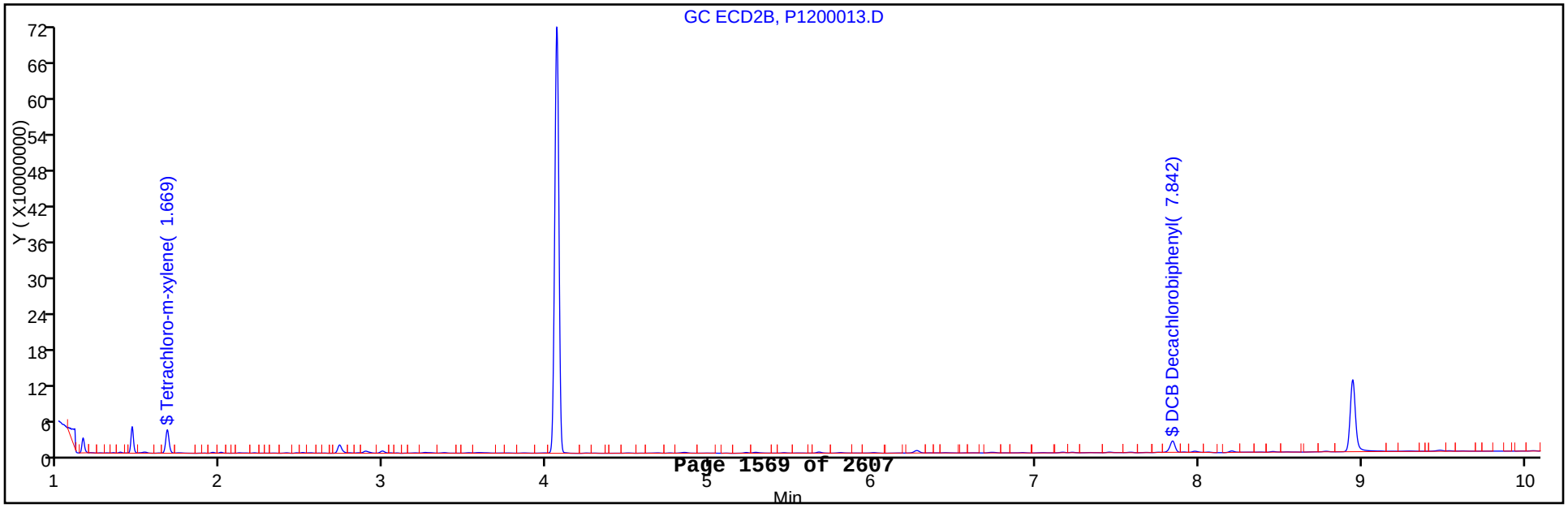
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Injection Date:	08-Apr-2013 09:39:13	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO | Lab Sample ID: 240-22488-7

Matrix: Solid | Lab File ID: P1200014.D

Analysis Method: 8082/DOD | Date Collected: 03/25/2013 16:52

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.47(g) | Date Analyzed: 04/08/2013 09:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	24	U	49	24	16
12674-11-2	Aroclor-1016	24	U	64	24	21
11141-16-5	Aroclor-1232	24	U	44	24	14
53469-21-9	Aroclor-1242	24	U	39	24	13
12672-29-6	Aroclor-1248	24	U	54	24	17
11097-69-1	Aroclor-1254	24	U	54	24	17
11096-82-5	Aroclor-1260	24	U	54	24	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		40-140
2051-24-3	DCB Decachlorobiphenyl	84		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200014.D		
Lims ID:	240-22488-G-7-B	Client ID:	079SB-0132M-0001-SO
Inject. Date:	08-Apr-2013 09:53:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	14
Lims Batch ID:	80903	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	18382712	0.0187			
2	2	1.671	1.673	-0.002	68298987	0.0256			
						RPD = 30.88			
3 PCB-1221									1
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.683	0.001	17128788	0.0168			
2	2	7.841	7.840	0.001	47594158	0.0161			
						RPD = 4.29			

QC Flag Legend

Processing Flags
1 - Missing Peaks

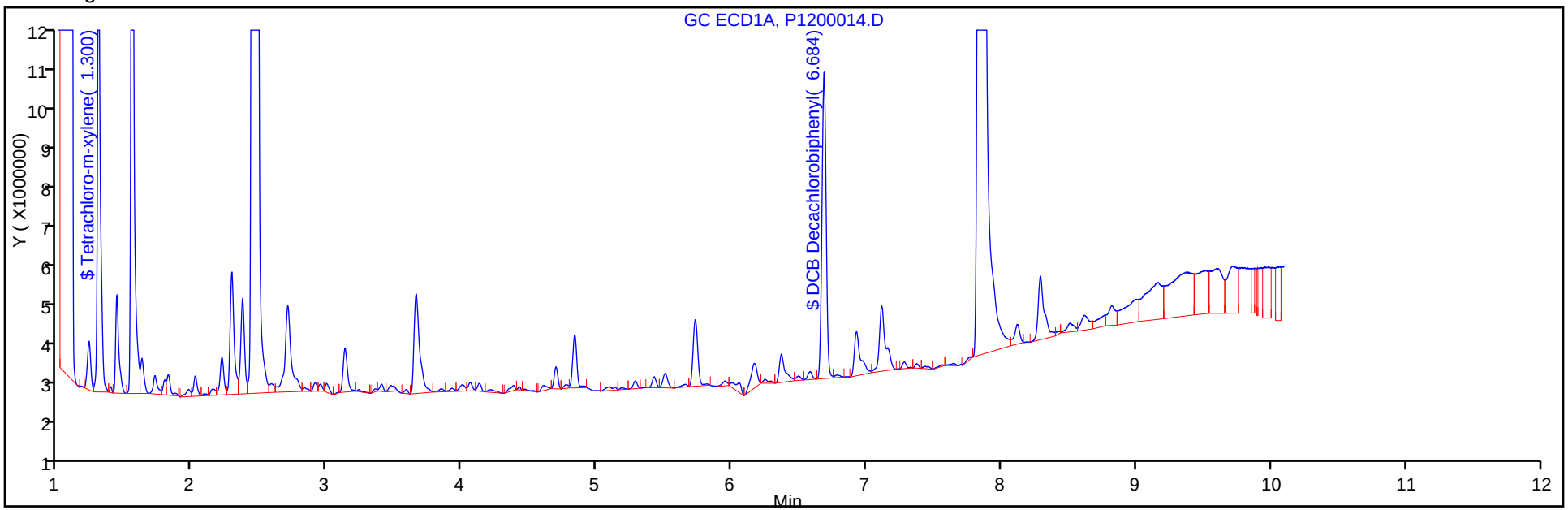
Report Date: 08-Apr-2013 13:50:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

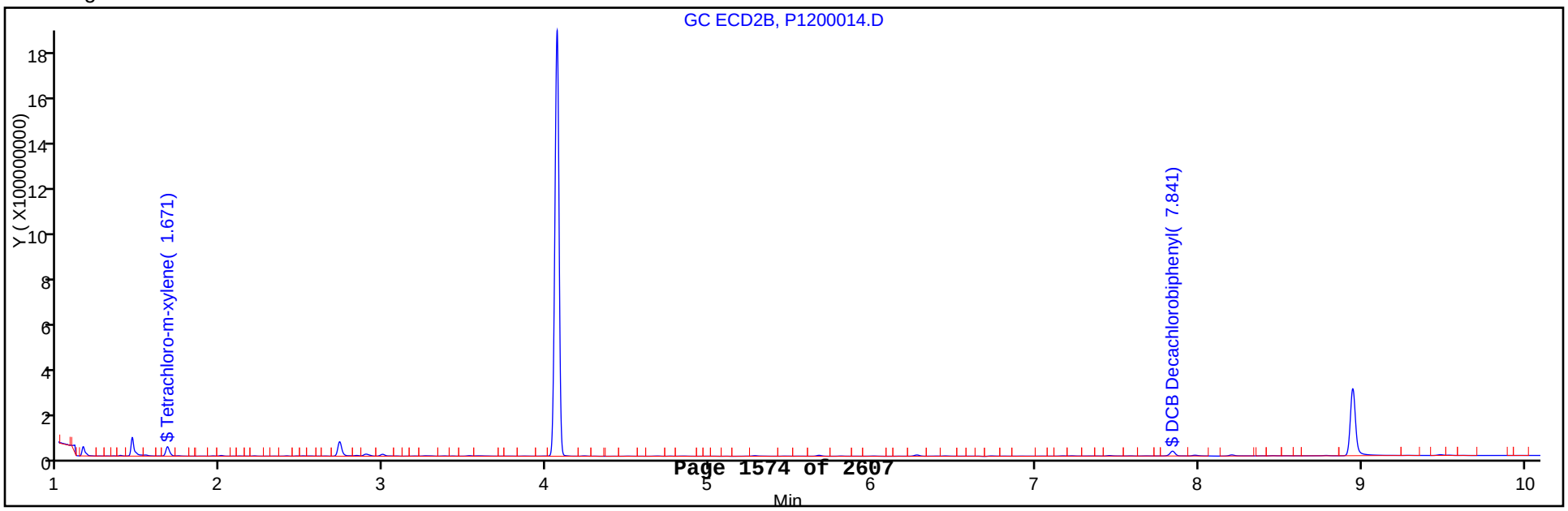
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Injection Date:	08-Apr-2013 09:53:47	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: P1200014.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:52

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.47(g) Date Analyzed: 04/08/2013 09:53

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		40-140
2051-24-3	DCB Decachlorobiphenyl	80		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200014.D		
Lims ID:	240-22488-G-7-B	Client ID:	079SB-0132M-0001-SO
Inject. Date:	08-Apr-2013 09:53:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	14
Lims Batch ID:	80903	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	18382712	0.0187			
2	2	1.671	1.673	-0.002	68298987	0.0256			
						RPD = 30.88			
3 PCB-1221									1
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.683	0.001	17128788	0.0168			
2	2	7.841	7.840	0.001	47594158	0.0161			
						RPD = 4.29			

QC Flag Legend

Processing Flags
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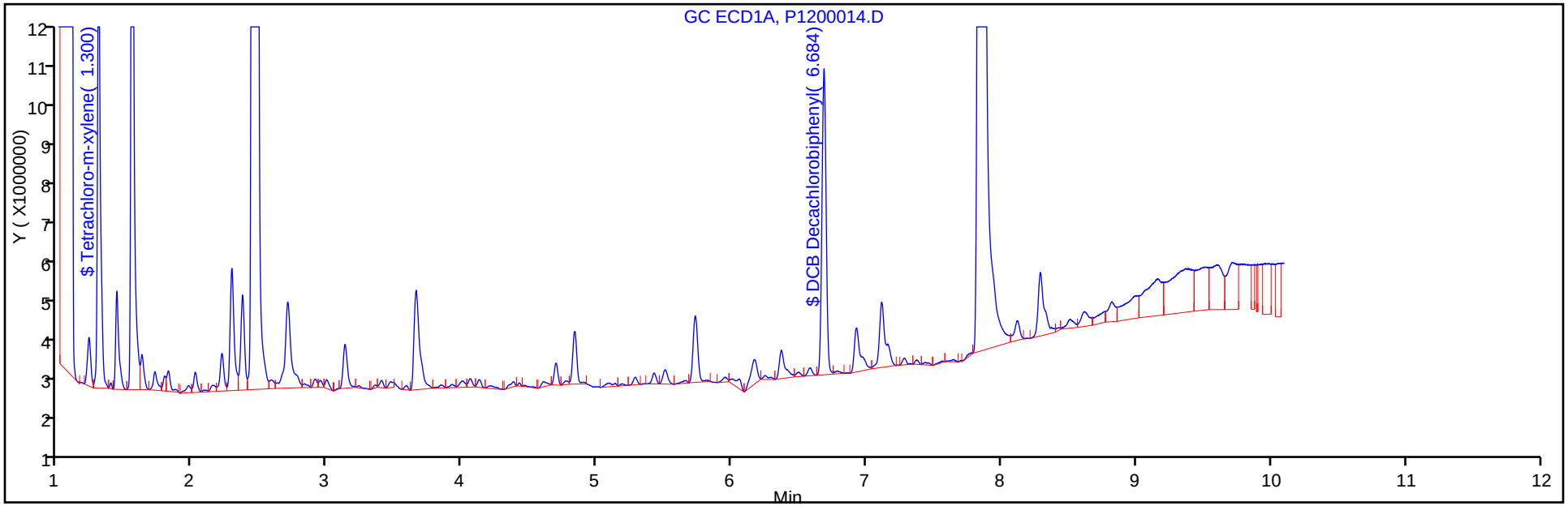
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TestAmerica Canton

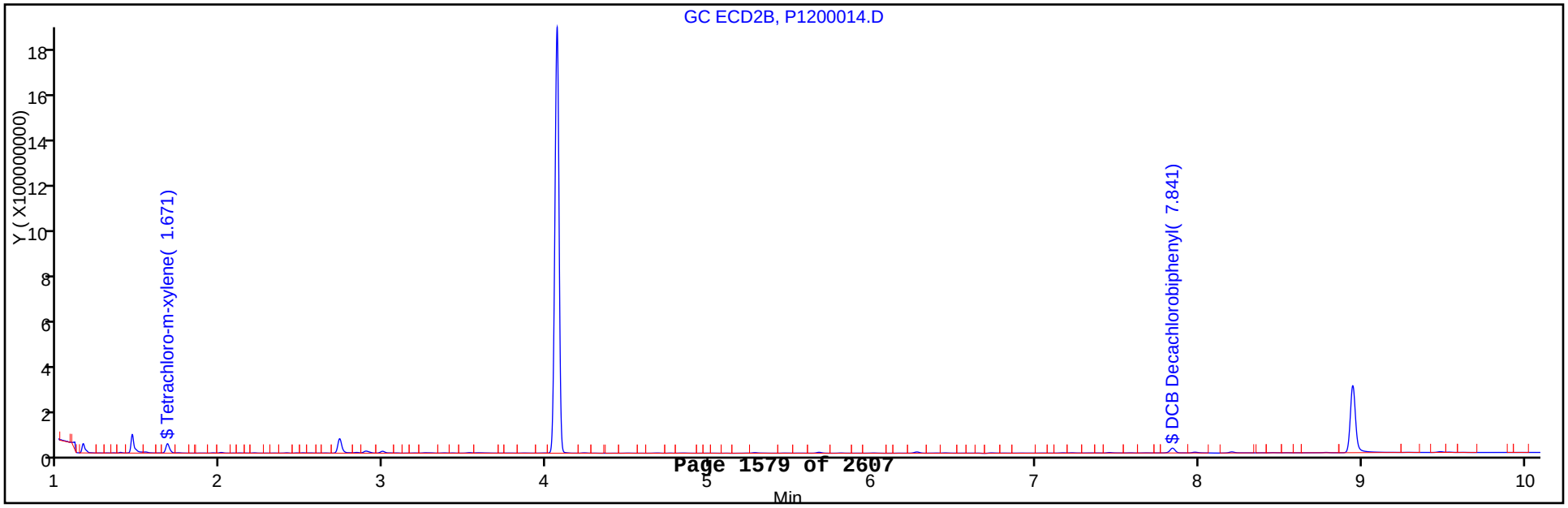
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Injection Date:	08-Apr-2013 09:53:47	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: P1200015.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:31

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.06(g) Date Analyzed: 04/08/2013 10:07

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		40-140
2051-24-3	DCB Decachlorobiphenyl	60		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200015.D		
Lims ID:	240-22488-G-11-B	Client ID:	079SB-0136M-0001-SO
Inject. Date:	08-Apr-2013 10:07:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	15
Lims Batch ID:	80903	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	12291639	0.0125			
2	2	1.674	1.673	0.001	37282518	0.0140			
						RPD = 10.83			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	12288870	0.0120			
2	2	7.843	7.840	0.003	30997457	0.0105			
						RPD = 13.94			

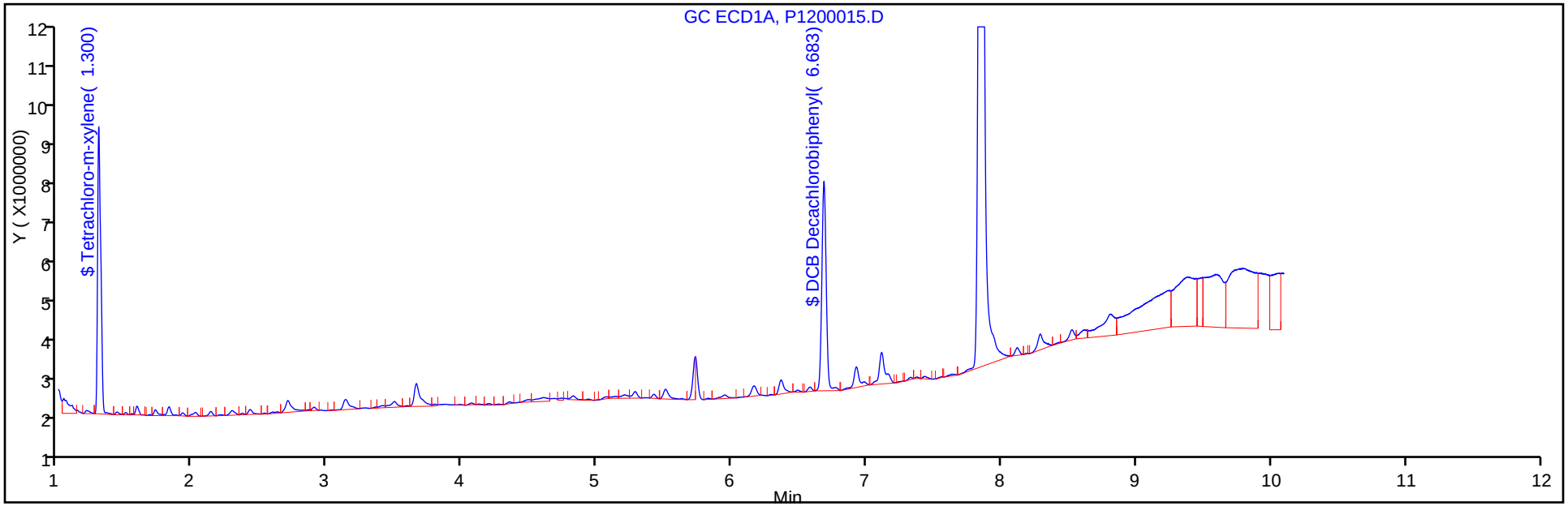
Report Date: 08-Apr-2013 13:50:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

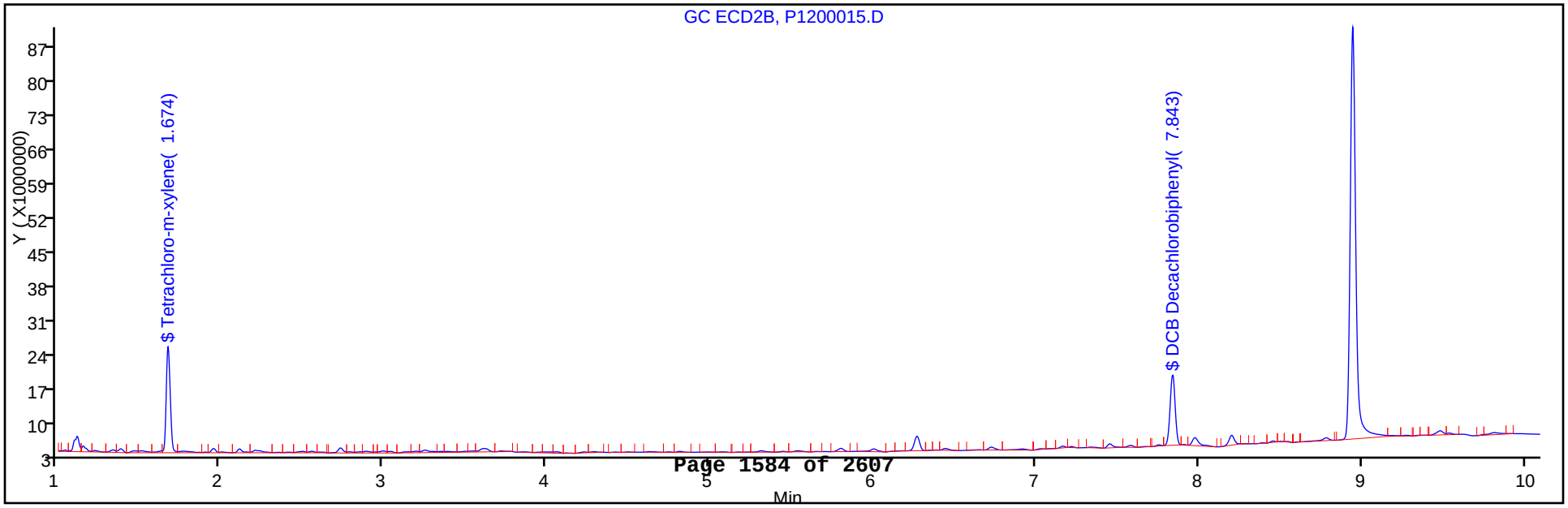
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Injection Date:	08-Apr-2013 10:07:59	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: P1200015.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:31

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.06(g) Date Analyzed: 04/08/2013 10:07

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		40-140
2051-24-3	DCB Decachlorobiphenyl	52	Q	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200015.D		
Lims ID:	240-22488-G-11-B	Client ID:	079SB-0136M-0001-SO
Inject. Date:	08-Apr-2013 10:07:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	15
Lims Batch ID:	80903	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	12291639	0.0125			
2	2	1.674	1.673	0.001	37282518	0.0140			
						RPD = 10.83			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	12288870	0.0120			
2	2	7.843	7.840	0.003	30997457	0.0105			
						RPD = 13.94			

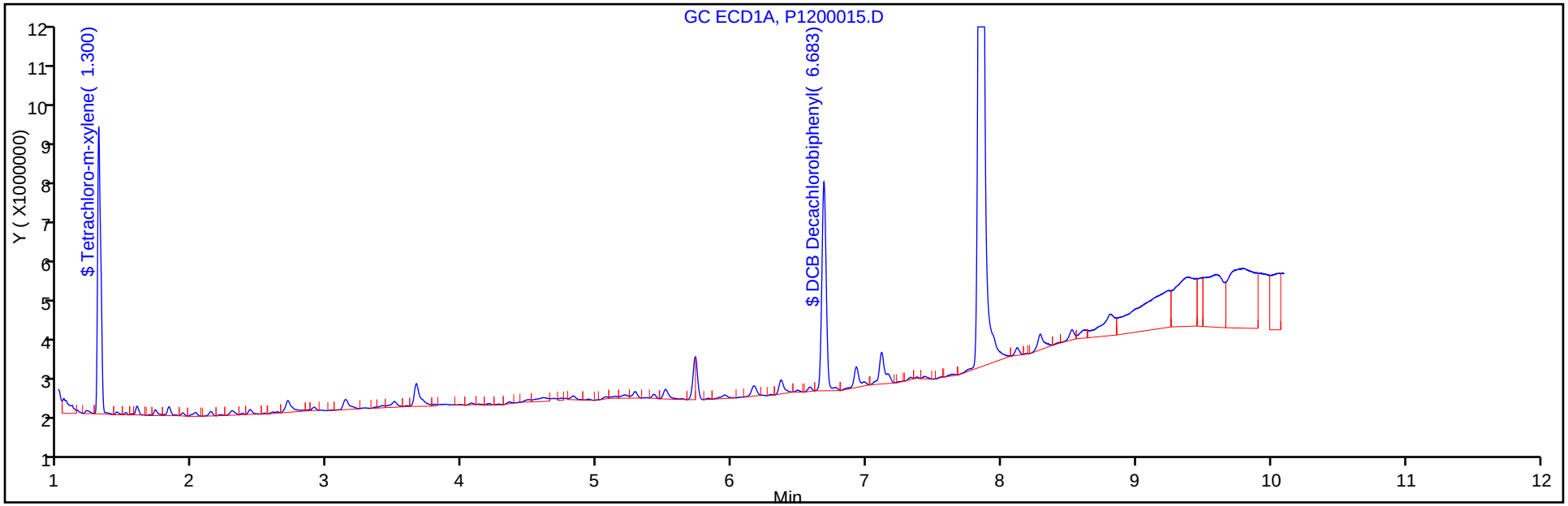
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TestAmerica Canton

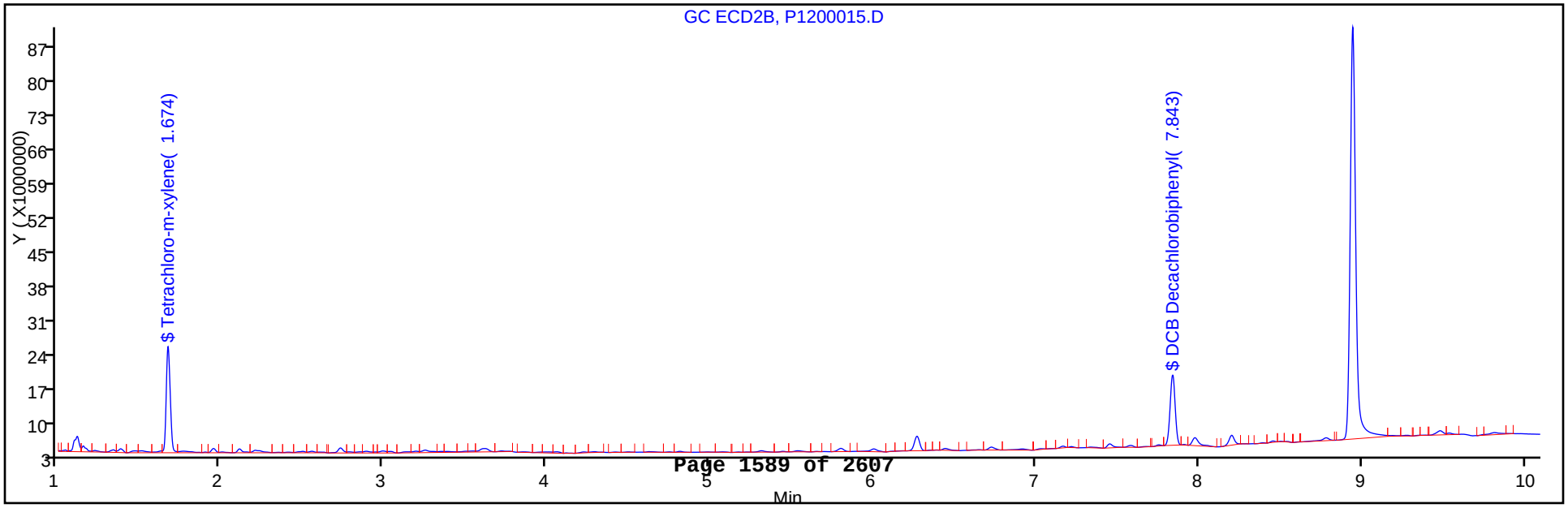
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Injection Date:	08-Apr-2013 10:07:59	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: P1200016.D

Analysis Method: 8082/DOD | Date Collected: 03/25/2013 14:37

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.20(g) | Date Analyzed: 04/08/2013 10:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	74		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200016.D		
Lims ID:	240-22488-G-18-B	Client ID:	079SB-0144M-0001-SO
Inject. Date:	08-Apr-2013 10:22:06	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	16
Lims Batch ID:	80903	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	15256541	0.0156			
2	2	1.671	1.673	-0.002	45021777	0.0169			
						RPD = 8.09			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	15174550	0.0149			
2	2	7.841	7.840	0.001	39765720	0.0134			
						RPD = 10.14			

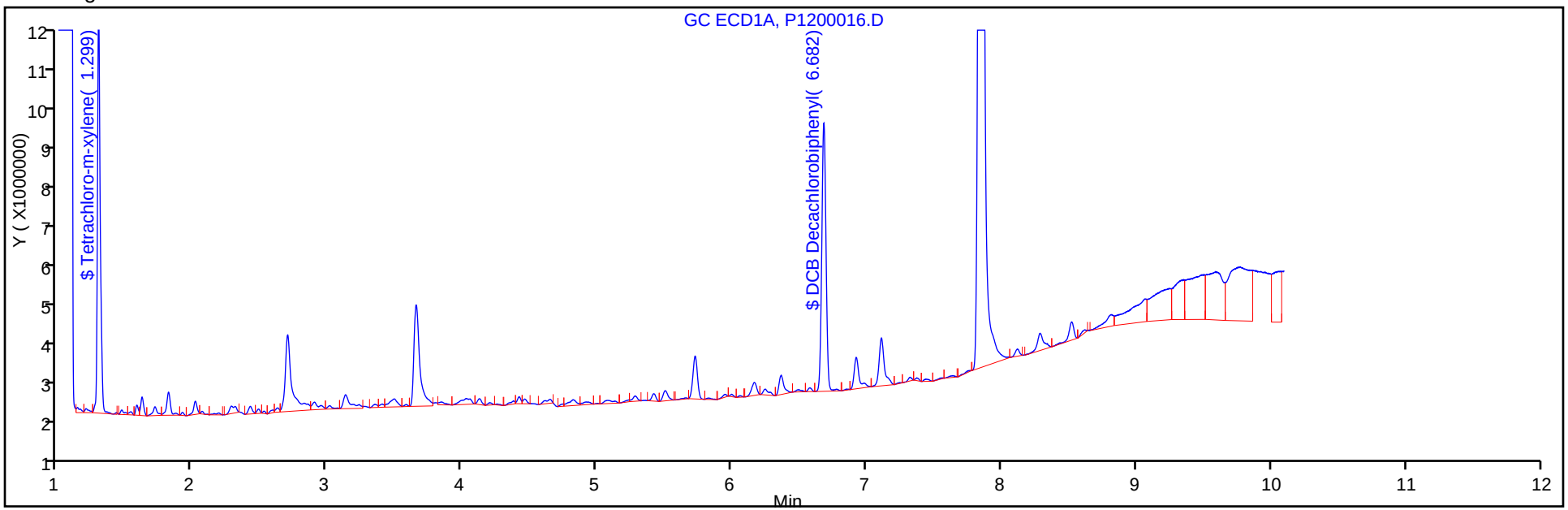
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TestAmerica Canton

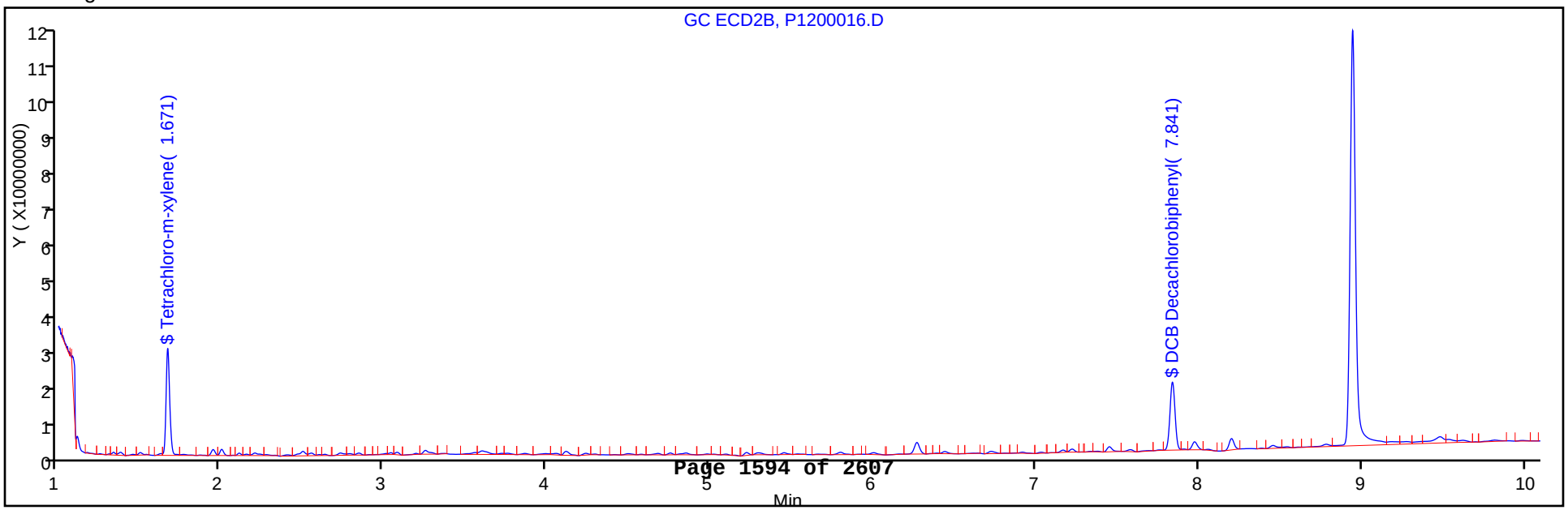
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200016.D

Injection Date:	08-Apr-2013 10:22:06	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Matrix: Solid Lab File ID: P1200016.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 14:37

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.20(g) Date Analyzed: 04/08/2013 10:22

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		40-140
2051-24-3	DCB Decachlorobiphenyl	67		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200016.D		
Lims ID:	240-22488-G-18-B	Client ID:	079SB-0144M-0001-SO
Inject. Date:	08-Apr-2013 10:22:06	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	16
Lims Batch ID:	80903	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	15256541	0.0156			
2	2	1.671	1.673	-0.002	45021777	0.0169			
						RPD = 8.09			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	15174550	0.0149			
2	2	7.841	7.840	0.001	39765720	0.0134			
						RPD = 10.14			

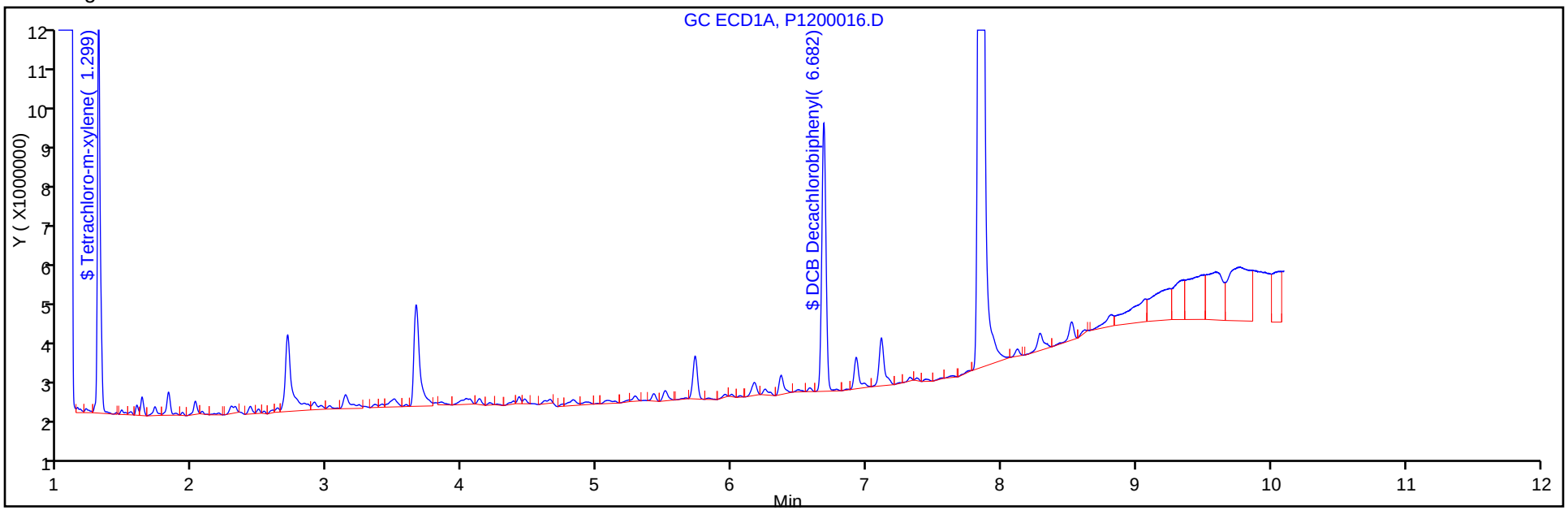
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TestAmerica Canton

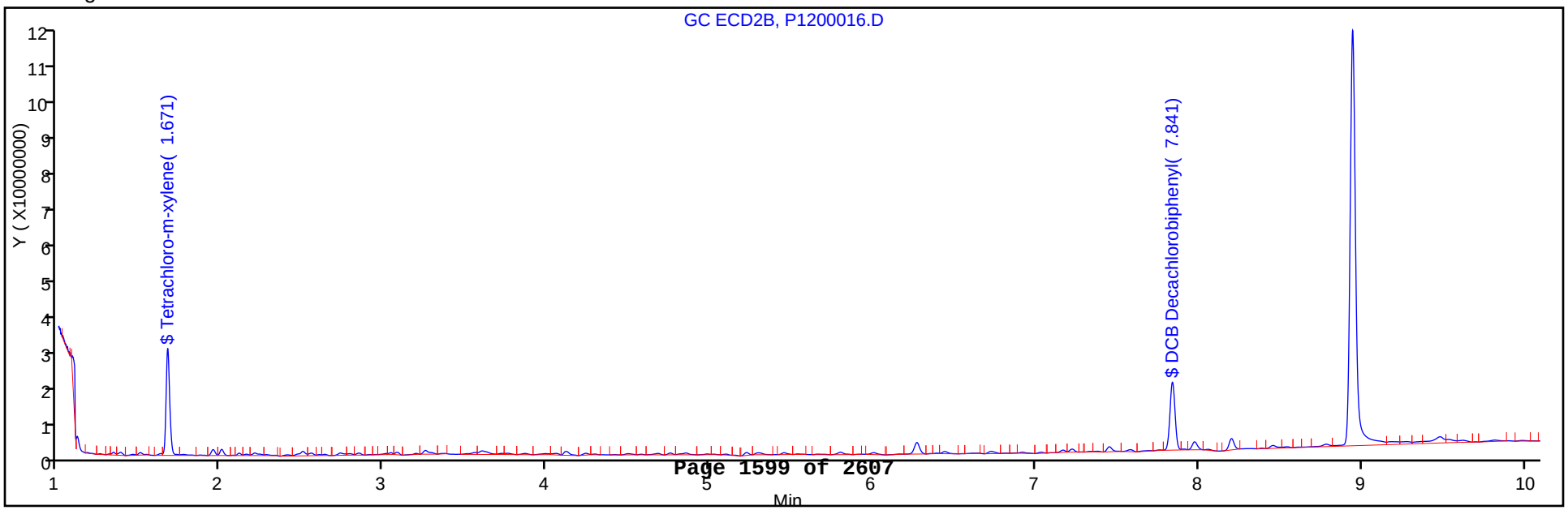
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Injection Date:	08-Apr-2013 10:22:06	Limit Group:	GC 8082A ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: P1200019.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 29.92(g) Date Analyzed: 04/08/2013 11:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	69		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200019.D		
Lims ID:	240-22488-G-23-B	Client ID:	079SS-0053M-0001-SO
Inject. Date:	08-Apr-2013 11:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	19
Lims Batch ID:	80903	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:48:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.301	1.299	0.002	13333744	0.0136			
2	2	1.673	1.671	0.002	40731060	0.0153			
						RPD = 11.54			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									
1	100		1.578						
1	2		1.868						
1	3		2.268						
1	4		2.390						
1	5		2.775						
2	6		2.138						
2	7		2.538						
2	8		2.993						
2	9		3.132						
2	10		3.618						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									
1	100		3.983						
1	2		4.270						
1	3		4.550						
1	4		5.248						
1	5		5.530						
2	6		4.951						
2	7		5.183						
2	8		5.548						
2	9		6.233						
2	10		6.612						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	14016924	0.0137			
2	2	7.842	7.840	0.002	30843545	0.0104			
						RPD = 27.44			

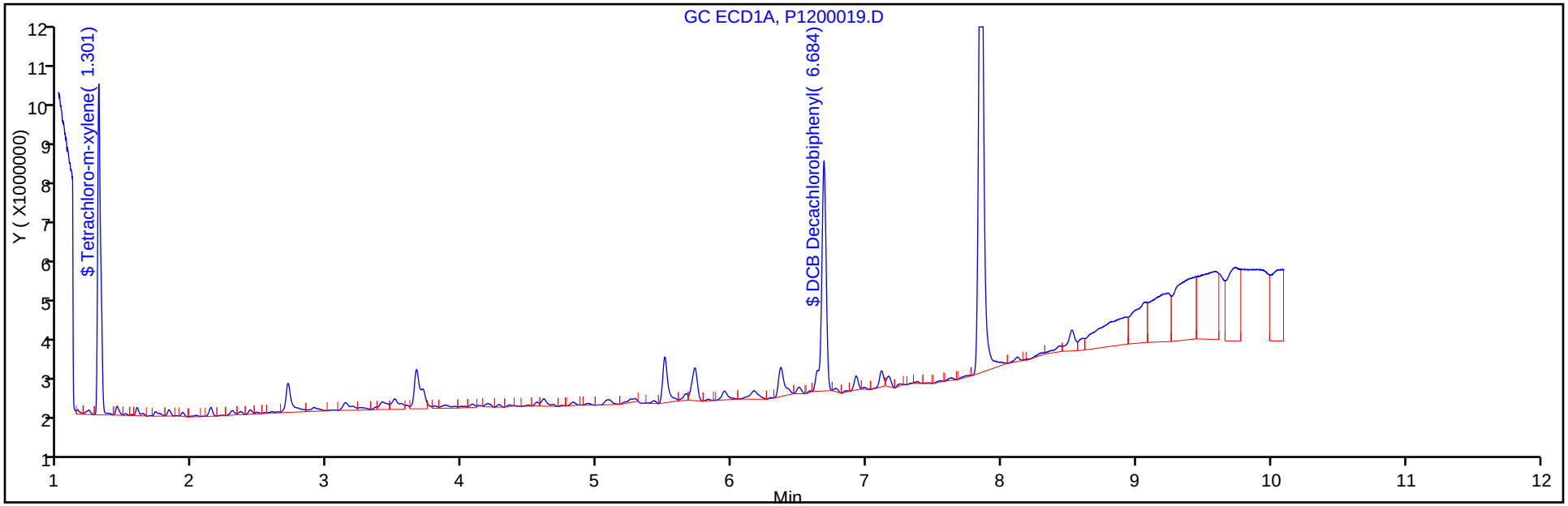
Report Date: 08-Apr-2013 13:50:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

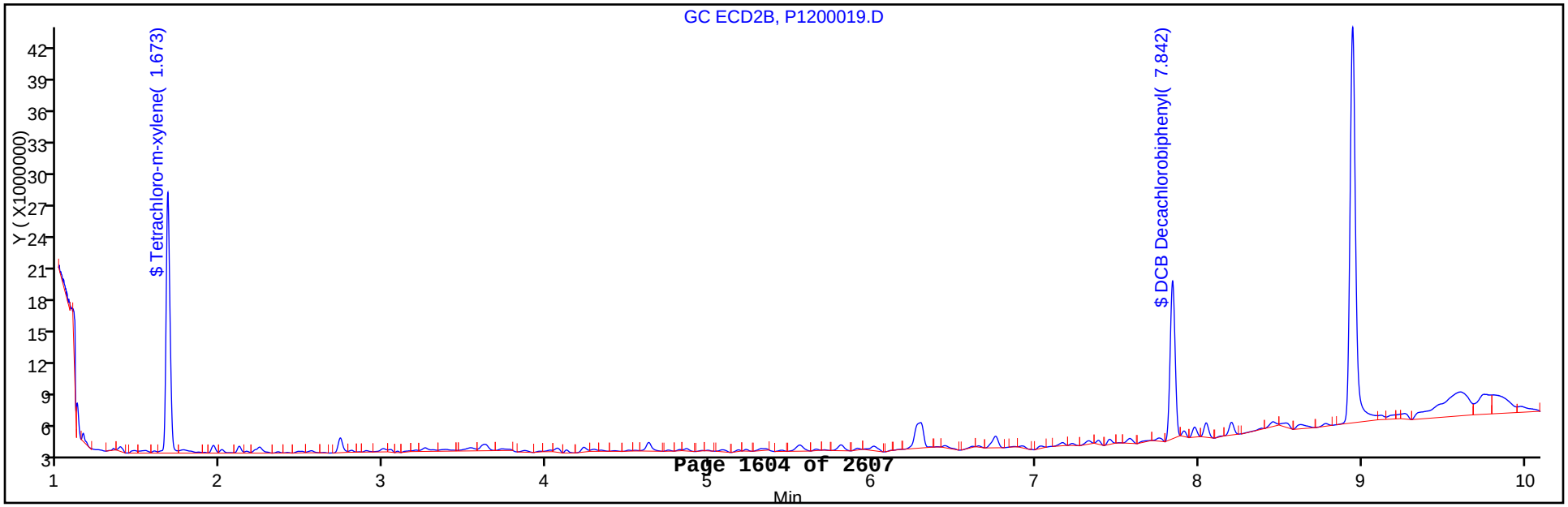
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Injection Date:	08-Apr-2013 11:05:30	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: P1200019.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 29.92(g) Date Analyzed: 04/08/2013 11:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	52	Q	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200019.D		
Lims ID:	240-22488-G-23-B	Client ID:	079SS-0053M-0001-SO
Inject. Date:	08-Apr-2013 11:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0018628-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	19
Lims Batch ID:	80903	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	08-Apr-2013 13:48:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.301	1.299	0.002	13333744	0.0136			
2	2	1.673	1.671	0.002	40731060	0.0153			
						RPD = 11.54			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									
1	100		1.578						
1	2		1.868						
1	3		2.268						
1	4		2.390						
1	5		2.775						
2	6		2.138						
2	7		2.538						
2	8		2.993						
2	9		3.132						
2	10		3.618						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									
1	100		3.983						
1	2		4.270						
1	3		4.550						
1	4		5.248						
1	5		5.530						
2	6		4.951						
2	7		5.183						
2	8		5.548						
2	9		6.233						
2	10		6.612						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	14016924	0.0137			
2	2	7.842	7.840	0.002	30843545	0.0104			
						RPD = 27.44			

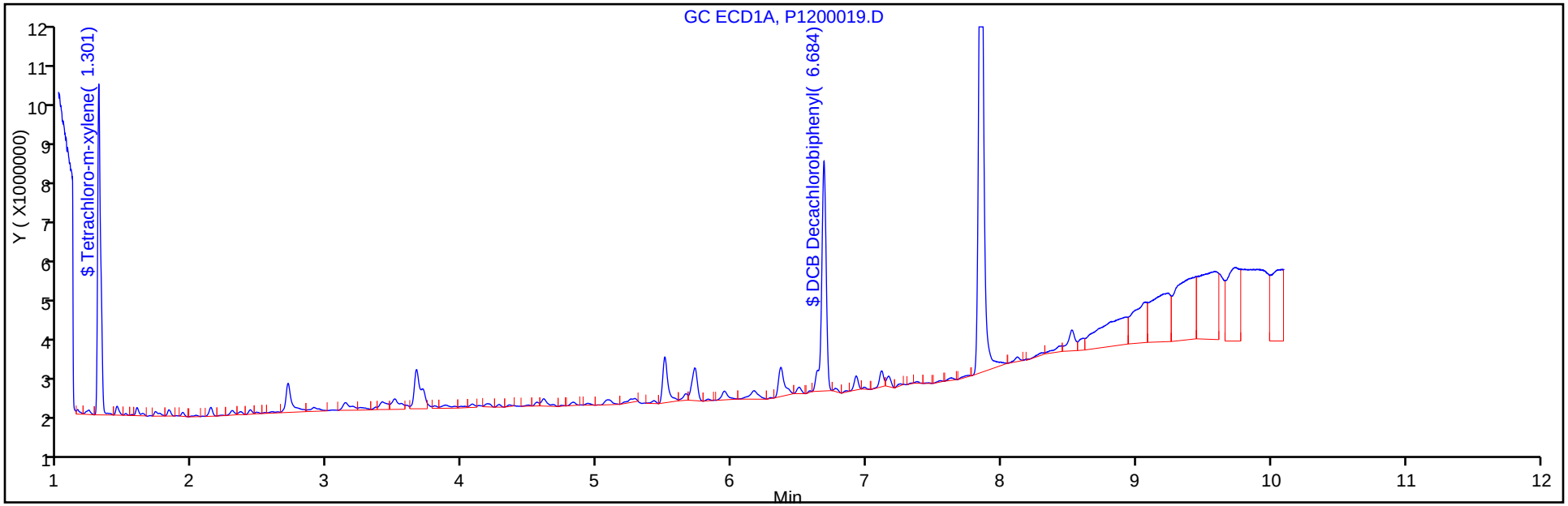
Report Date: 08-Apr-2013 13:50:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

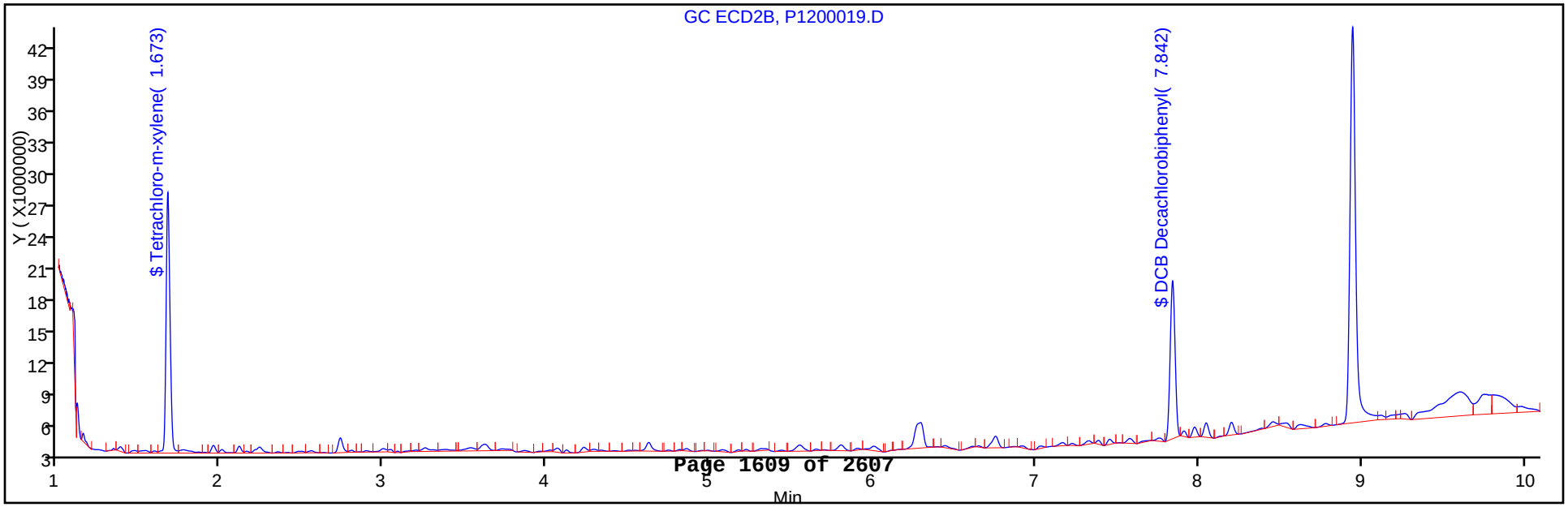
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Injection Date:	08-Apr-2013 11:05:30	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	1.577	1.576	1.578	1.578	1.578	1.577					1.527 - 1.627	1.577
PCB-1232 Peak 2	1.868	1.868	1.869	1.869	1.870	1.868					1.818 - 1.918	1.869
PCB-1232 Peak 3	2.270	2.270	2.271	2.270	2.271	2.271					2.220 - 2.320	2.271
PCB-1232 Peak 4	2.393	2.392	2.394	2.394	2.394	2.393					2.343 - 2.443	2.393
PCB-1232 Peak 5	2.777	2.779	2.780	2.780	2.780	2.780					2.727 - 2.827	2.779

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.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								
PCB-1232 Peak 1	21348040 15651687	21218960 14171772	18831455	17838958	Ave		18176812.0				16.0		20.0			
PCB-1232 Peak 2	17141980 12741996	16702810 11451109	15466520	14382570	Ave		14647830.8				15.0		20.0			
PCB-1232 Peak 3	32978340 24609683	32588810 22665333	30816545	26984050	Ave		28440460.1				15.0		20.0			
PCB-1232 Peak 4	13384860 10641624	13644080 9706654	12849430	11777604	Ave		12000708.6				13.0		20.0			
PCB-1232 Peak 5	13594980 10356120	13349900 9264652	12444585	11202258	Ave		11702082.5				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.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
PCB-1232 Peak 1	Ave	1067402 28343544	2121896	3766291	8919479	15651687	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	857099 22902217	1670281	3093304	7191285	12741996	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	1648917 45330665	3258881	6163309	13492025	24609683	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	669243 19413307	1364408	2569886	5888802	10641624	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	679749 18529304	1334990	2488917	5601129	10356120	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200003.D		
Lims ID:	STD005 1232	Client ID:	
Inject. Date:	01-Apr-2013 10:09:35	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018420-003		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	80043	Lims Sample ID:	3
Sublist:	chrom-PCB12*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:44	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.577	1.577	0.000	1067402	0.0587		100.0	
1	2	1.868	1.868	0.000	857099	0.0585	57.1- 107.1	80.3	
1	3	2.270	2.270	0.000	1648917	0.0580	138.6- 188.6	154.5	
1	4	2.393	2.393	0.000	669243	0.0558	43.2- 93.2	62.7	
1	5	2.777	2.777	0.000	679749	0.0581	41.1- 91.1	63.7	
			Average of Peak Amounts =			0.0578			
2	6	2.138	2.138	0.000	3229116	0.0605		100.0	
2	7	2.540	2.540	0.000	2379901	0.0587	47.1- 107.1	73.7	
2	8	2.996	2.996	0.000	4414470	0.0549	119.9- 179.9	136.7	
2	9	3.136	3.136	0.000	2248623	0.0614	38.2- 98.2	69.6	
2	10	3.750	3.750	0.000	1863522	0.0604	29.2- 89.2	57.7	
			Average of Peak Amounts =			0.0592			
						RPD = 2.31			

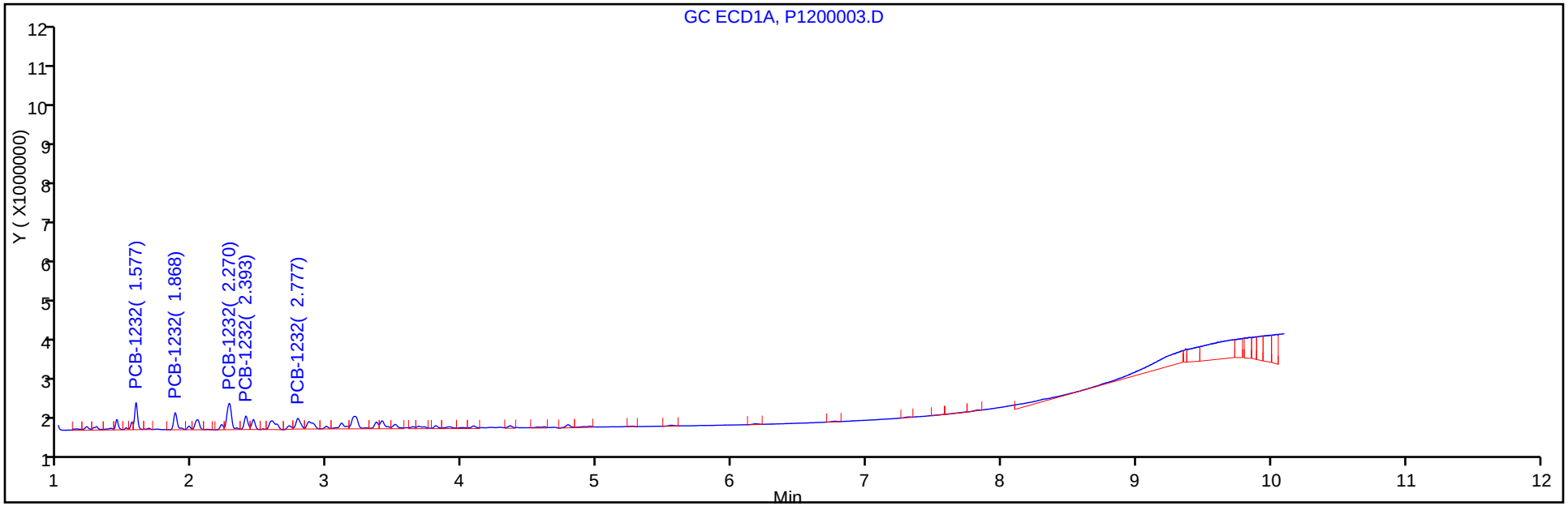
Report Date: 02-Apr-2013 07:01:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

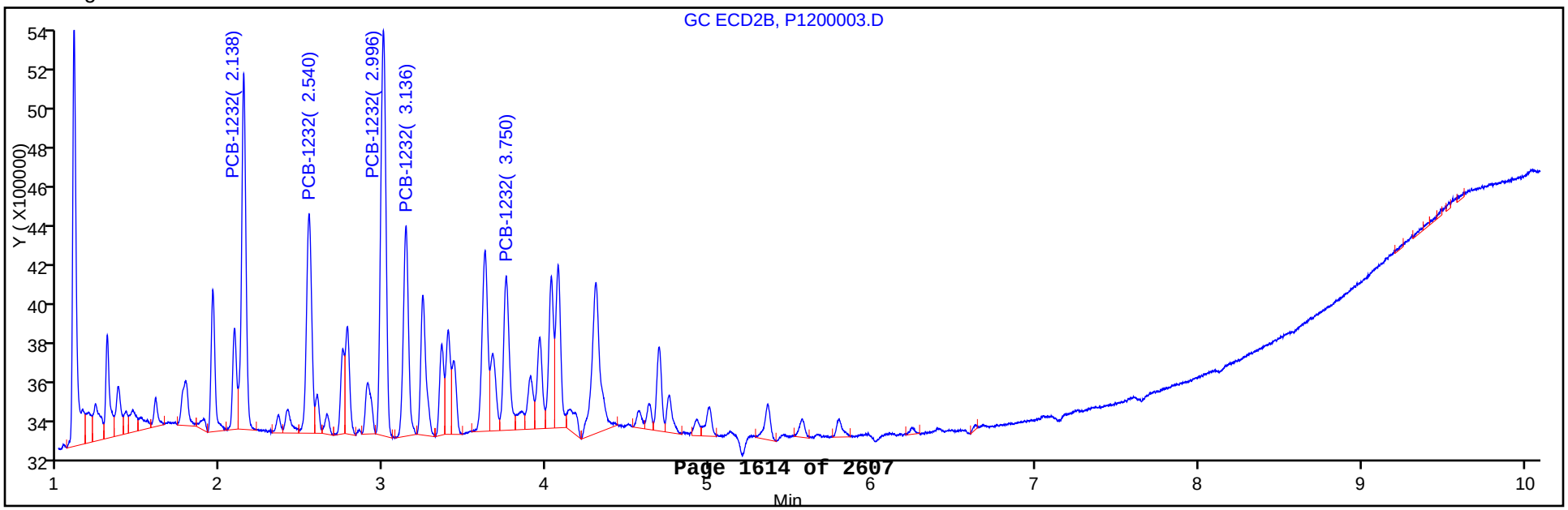
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200003.D

Injection Date:	01-Apr-2013 10:09:35	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 01-Apr-2013 10:23:39 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-004
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 80043 Lims Sample ID: 4
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:46 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.576	1.577	-0.001	2121896	0.1167		100.0	
1	2	1.868	1.868	0.000	1670281	0.1140	57.1- 107.1	78.7	
1	3	2.270	2.270	0.000	3258881	0.1146	138.6- 188.6	153.6	
1	4	2.392	2.393	-0.001	1364408	0.1137	43.2- 93.2	64.3	
1	5	2.779	2.777	0.002	1334990	0.1141	41.1- 91.1	62.9	
			Average of Peak Amounts =			0.1146			
2	6	2.140	2.138	0.002	5997596	0.1124		100.0	
2	7	2.540	2.540	0.000	4603978	0.1135	47.1- 107.1	76.8	
2	8	2.996	2.996	0.000	8701790	0.1082	119.9- 179.9	145.1	
2	9	3.136	3.136	0.000	4054720	0.1107	38.2- 98.2	67.6	
2	10	3.750	3.750	0.000	3468355	0.1123	29.2- 89.2	57.8	
			Average of Peak Amounts =			0.1114			
						RPD = 2.83			

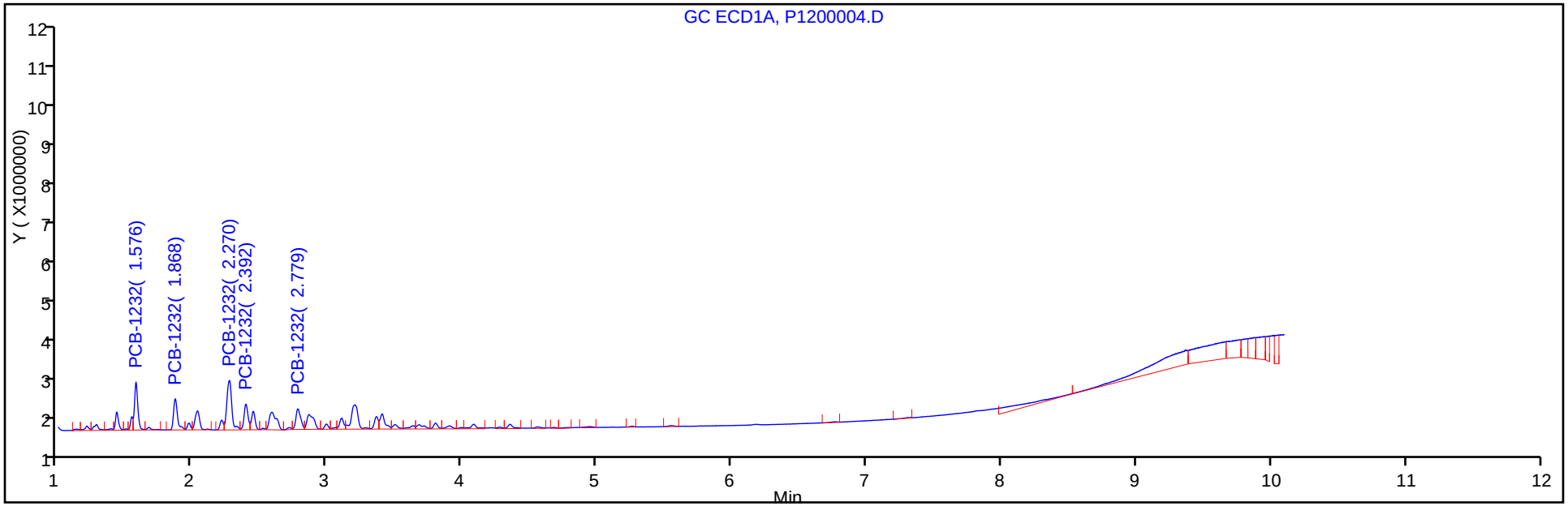
Report Date: 02-Apr-2013 07:01:46 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

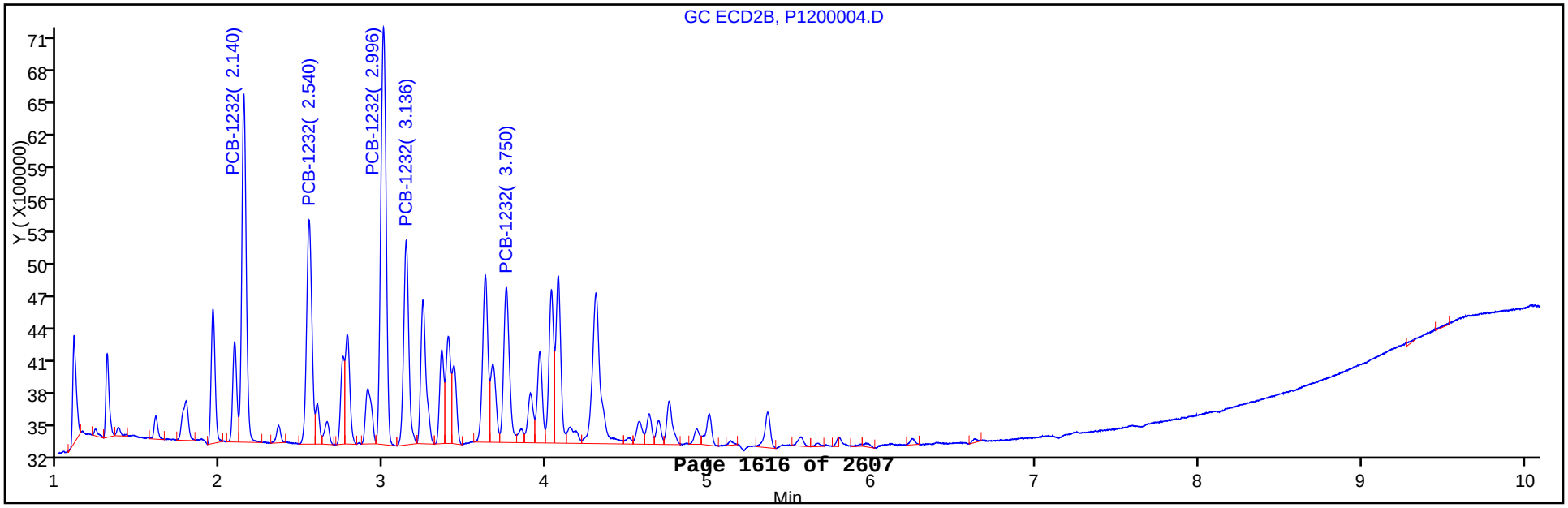
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200004.D

Injection Date:	01-Apr-2013 10:23:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 01-Apr-2013 10:38:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-005
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 80043 Lims Sample ID: 5
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:47 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	3766291	0.2072		100.0	
1	2	1.869	1.868	0.001	3093304	0.2112	57.1- 107.1	82.1	
1	3	2.271	2.270	0.001	6163309	0.2167	138.6- 188.6	163.6	
1	4	2.394	2.393	0.001	2569886	0.2141	43.2- 93.2	68.2	
1	5	2.780	2.777	0.003	2488917	0.2127	41.1- 91.1	66.1	
			Average of Peak Amounts =			0.2124			
2	6	2.140	2.138	0.002	10982840	0.2058		100.0	
2	7	2.540	2.540	0.000	8462667	0.2086	47.1- 107.1	77.1	
2	8	2.996	2.996	0.000	16459114	0.2046	119.9- 179.9	149.9	
2	9	3.136	3.136	0.000	7490482	0.2046	38.2- 98.2	68.2	
2	10	3.750	3.750	0.000	6498626	0.2105	29.2- 89.2	59.2	
			Average of Peak Amounts =			0.2068			
						RPD = 2.66			

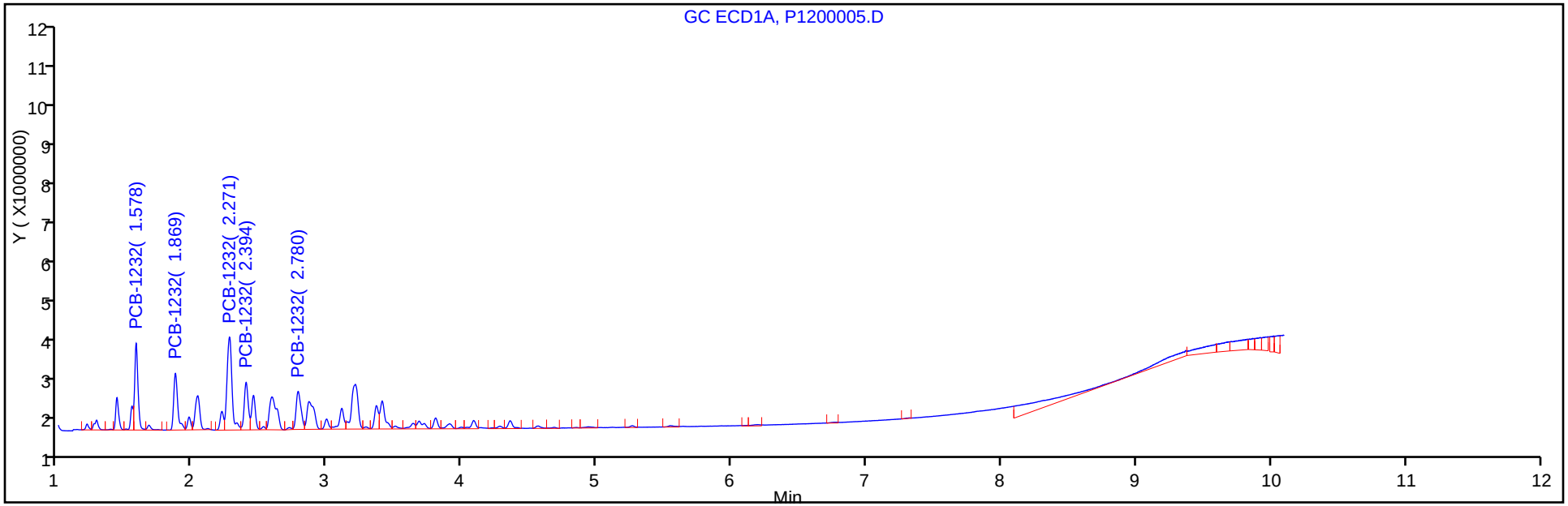
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TestAmerica Canton

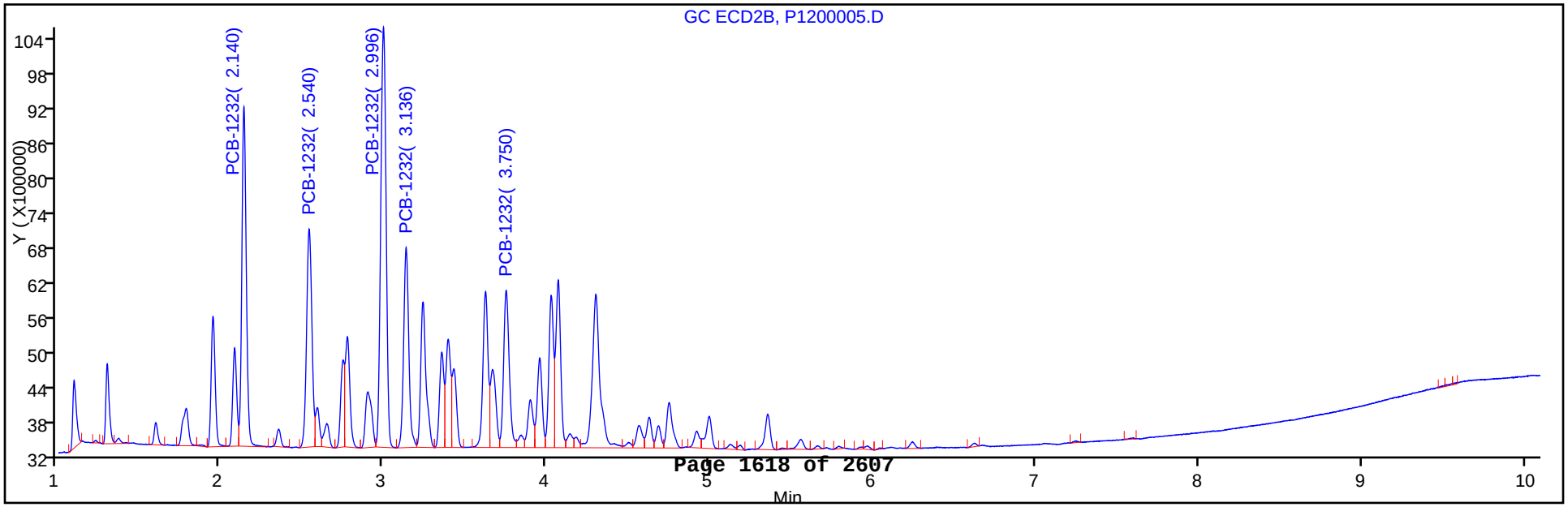
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200005.D

Injection Date:	01-Apr-2013 10:38:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200006.D
Lims ID: STD05 1232 Client ID:
Inject. Date: 01-Apr-2013 10:52:44 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-006
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 80043 Lims Sample ID: 6
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:48 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	8919479	0.4907		100.0	
1	2	1.869	1.868	0.001	7191285	0.4909	57.1- 107.1	80.6	
1	3	2.270	2.270	0.000	13492025	0.4744	138.6- 188.6	151.3	
1	4	2.394	2.393	0.001	5888802	0.4907	43.2- 93.2	66.0	
1	5	2.780	2.777	0.003	5601129	0.4786	41.1- 91.1	62.8	
			Average of Peak Amounts =			0.4851			
2	6	2.139	2.138	0.001	25736482	0.4823		100.0	
2	7	2.540	2.540	0.000	19661095	0.4847	47.1- 107.1	76.4	
2	8	2.997	2.996	0.001	39593508	0.4921	119.9- 179.9	153.8	
2	9	3.137	3.136	0.001	17406000	0.4754	38.2- 98.2	67.6	
2	10	3.750	3.750	0.000	14669402	0.4752	29.2- 89.2	57.0	
			Average of Peak Amounts =			0.4819			
						RPD = 0.65			

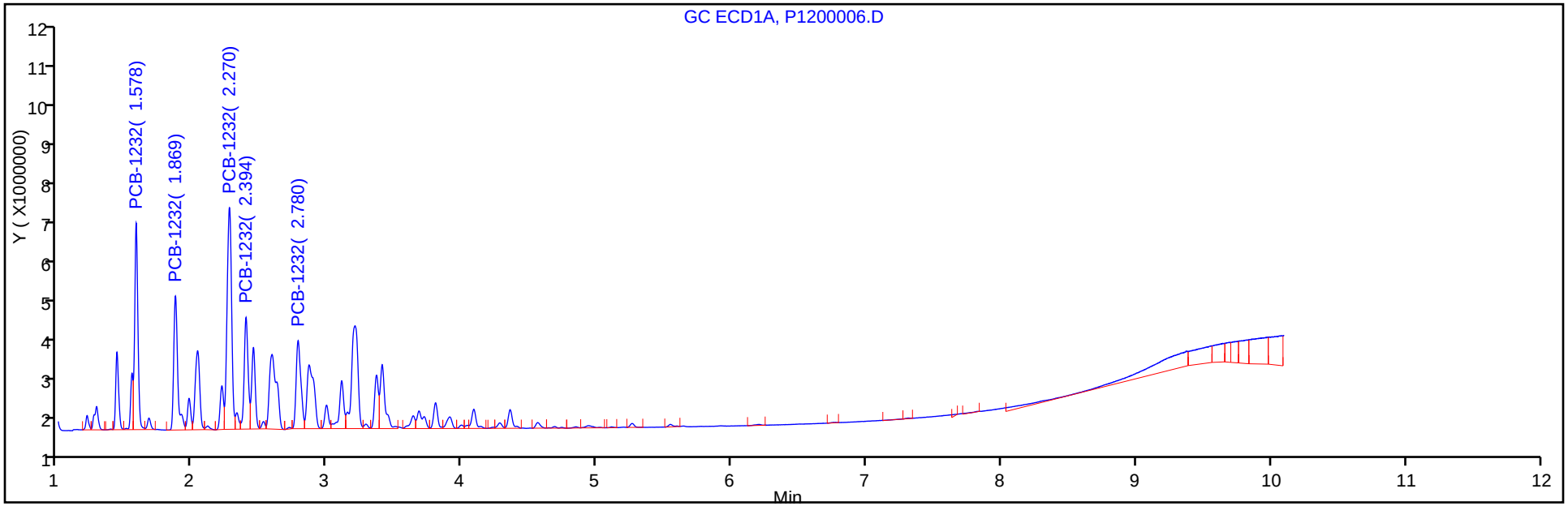
Report Date: 02-Apr-2013 07:01:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

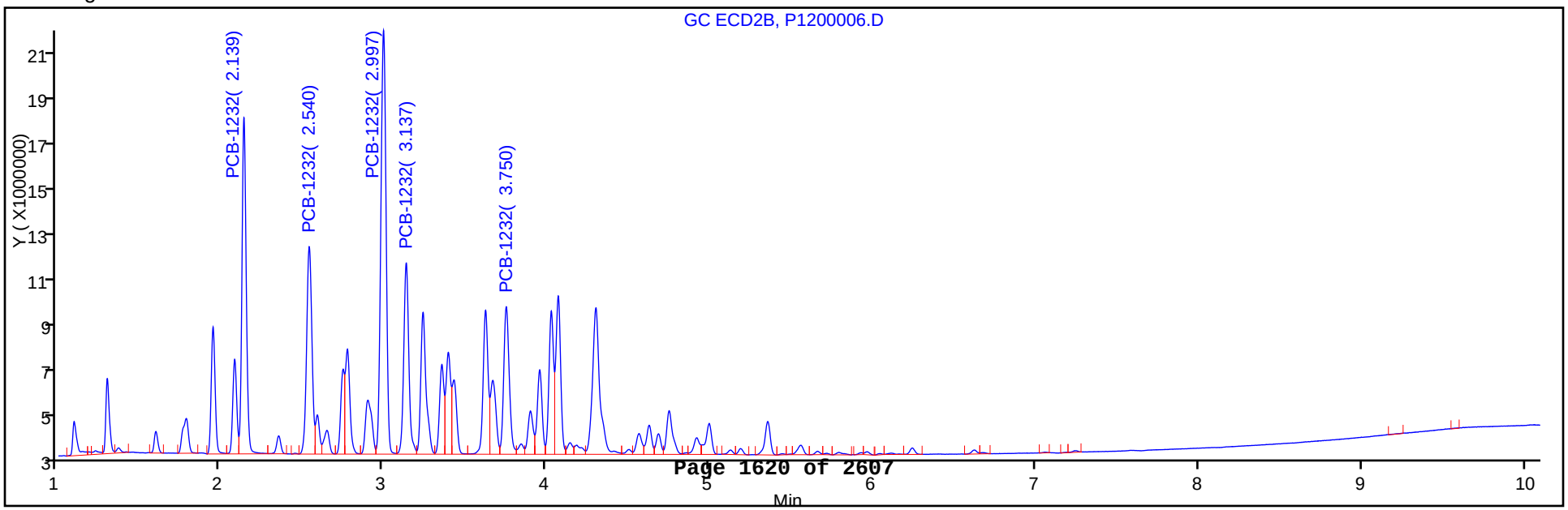
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200006.D

Injection Date:	01-Apr-2013 10:52:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200007.D		
Lims ID:	STD1 1232	Client ID:	
Inject. Date:	01-Apr-2013 11:07:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018420-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	80043	Lims Sample ID:	7
Sublist:	chrom-PCB12*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:49	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	15651687	0.8611		100.0	
1	2	1.870	1.868	0.002	12741996	0.8699	57.1- 107.1	81.4	
1	3	2.271	2.270	0.001	24609683	0.8653	138.6- 188.6	157.2	
1	4	2.394	2.393	0.001	10641624	0.8867	43.2- 93.2	68.0	
1	5	2.780	2.777	0.003	10356120	0.8850	41.1- 91.1	66.2	
			Average of Peak Amounts =			0.8736			
2	6	2.140	2.138	0.002	46505395	0.8715		100.0	
2	7	2.541	2.540	0.001	35683015	0.8796	47.1- 107.1	76.7	
2	8	2.997	2.996	0.001	74635115	0.9277	119.9- 179.9	160.5	
2	9	3.137	3.136	0.001	31814666	0.8690	38.2- 98.2	68.4	
2	10	3.750	3.750	0.000	26433892	0.8562	29.2- 89.2	56.8	
			Average of Peak Amounts =			0.8808			
						RPD = 0.82			

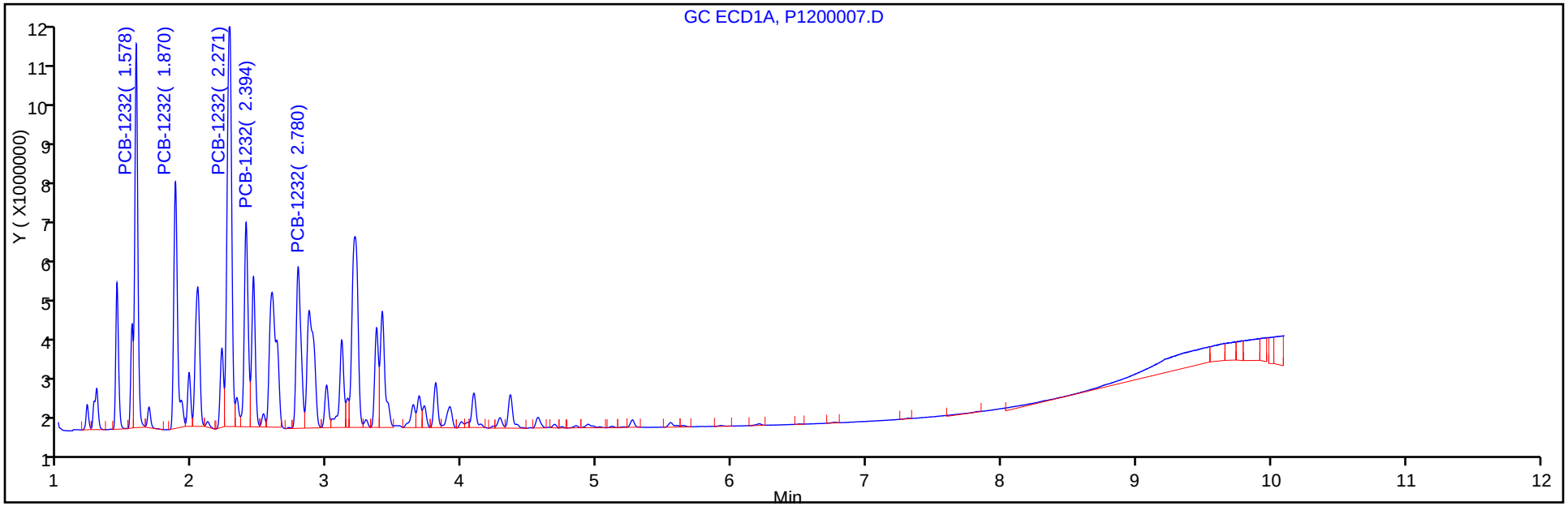
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TestAmerica Canton

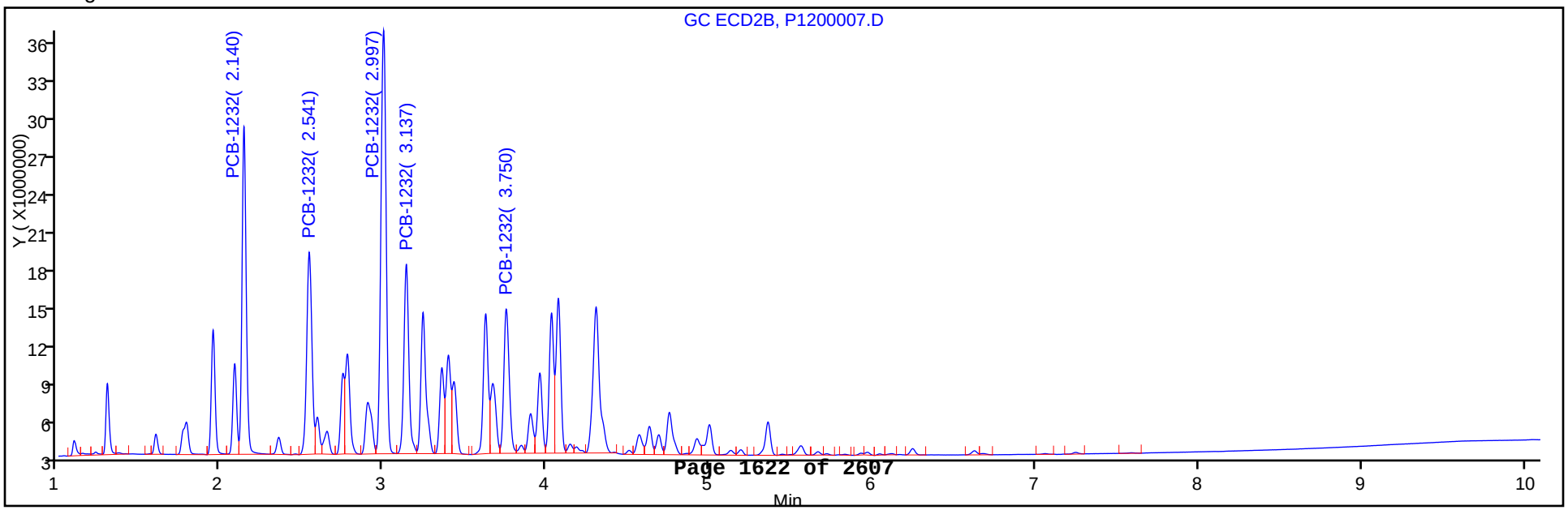
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200007.D

Injection Date:	01-Apr-2013 11:07:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200008.D
Lims ID: STD2 1232 Client ID:
Inject. Date: 01-Apr-2013 11:21:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-008
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 80043 Lims Sample ID: 8
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:51 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.577	1.577	0.000	28343544	1.56		100.0	
1	2	1.868	1.868	0.000	22902217	1.56	57.1- 107.1	80.8	
1	3	2.271	2.270	0.001	45330665	1.59	138.6- 188.6	159.9	
1	4	2.393	2.393	0.000	19413307	1.62	43.2- 93.2	68.5	
1	5	2.780	2.777	0.003	18529304	1.58	41.1- 91.1	65.4	
			Average of Peak Amounts =			1.58			
2	6	2.138	2.138	0.000	85474691	1.60		100.0	
2	7	2.540	2.540	0.000	64888909	1.60	47.1- 107.1	75.9	
2	8	2.997	2.996	0.001	142554635	1.77	119.9- 179.9	166.8	
2	9	3.136	3.136	0.000	60155102	1.64	38.2- 98.2	70.4	
2	10	3.749	3.750	-0.001	50031048	1.62	29.2- 89.2	58.5	
			Average of Peak Amounts =			1.65			
						RPD = 3.95			

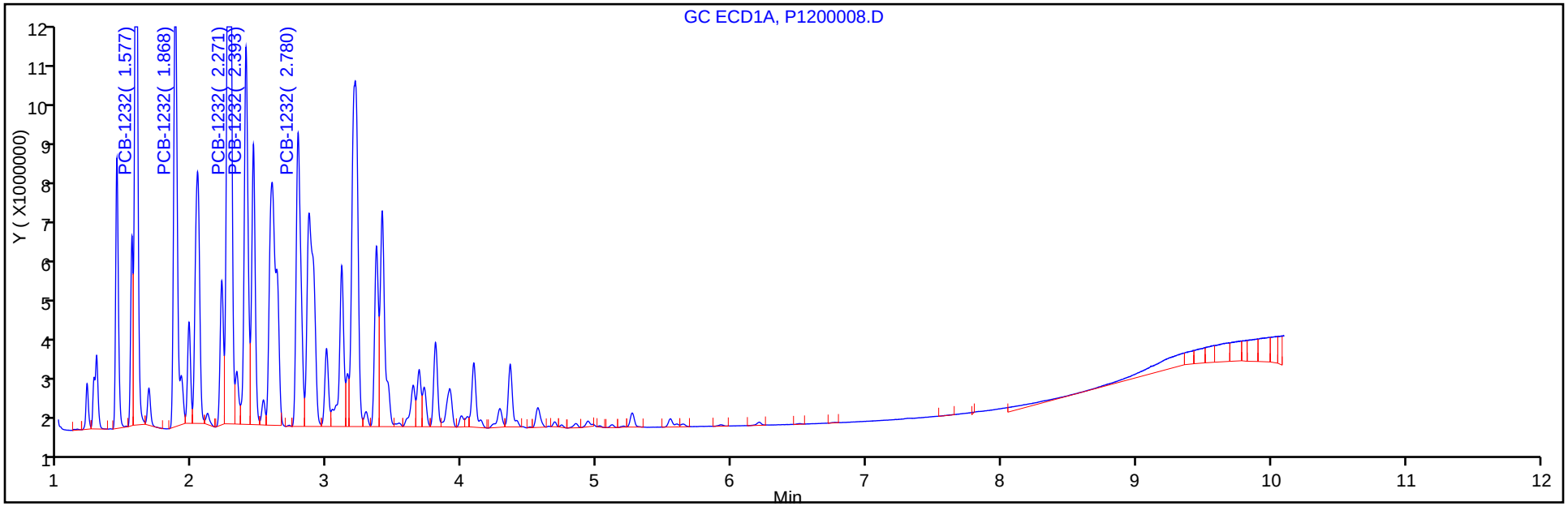
Report Date: 02-Apr-2013 07:01:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

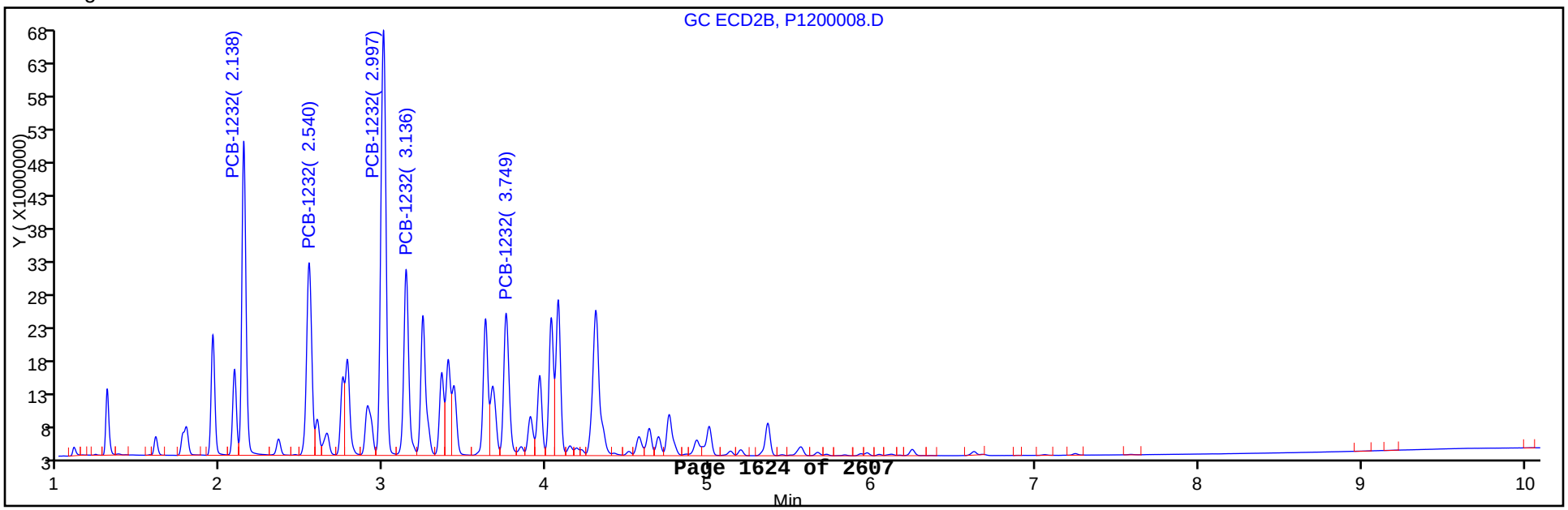
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200008.D

Injection Date:	01-Apr-2013 11:21:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.138	2.140	2.140	2.139	2.140	2.138					2.088 - 2.188	2.139
PCB-1232 Peak 2	2.540	2.540	2.540	2.540	2.541	2.540					2.490 - 2.590	2.540
PCB-1232 Peak 3	2.996	2.996	2.996	2.997	2.997	2.997					2.946 - 3.046	2.997
PCB-1232 Peak 4	3.136	3.136	3.136	3.137	3.137	3.136					3.086 - 3.186	3.136
PCB-1232 Peak 5	3.750	3.750	3.750	3.750	3.750	3.749					3.700 - 3.800	3.750

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.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								
PCB-1232 Peak 1	64582320 46505395	59975960 42737346	54914200	51472964	Ave		53364697.4				15.0		20.0			
PCB-1232 Peak 2	47598020 35683015	46039780 32444455	42313335	39322190	Ave		40566799.1				15.0		20.0			
PCB-1232 Peak 3	88289400 74635115	87017900 71277318	82295570	79187016	Ave		80450386.4				8.4		20.0			
PCB-1232 Peak 4	44972460 31814666	40547200 30077551	37452410	34812000	Ave		36612714.5				15.0		20.0			
PCB-1232 Peak 5	37270440 26433892	34683550 25015524	32493130	29338804	Ave		30872556.7				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 10:09 Calibration End Date: 04/01/2013 11:21 Calibration ID: 14309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/3	P1200003.D
Level 2	STD01 240-80043/4	P1200004.D
Level 3	STD02 240-80043/5	P1200005.D
Level 4	STD05 240-80043/6	P1200006.D
Level 5	STD1 240-80043/7	P1200007.D
Level 6	STD2 240-80043/8	P1200008.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
PCB-1232 Peak 1	Ave	3229116 85474691	5997596	10982840	25736482	46505395	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	2379901 64888909	4603978	8462667	19661095	35683015	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	4414470 142554635	8701790	16459114	39593508	74635115	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	2248623 60155102	4054720	7490482	17406000	31814666	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	1863522 50031048	3468355	6498626	14669402	26433892	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 01-Apr-2013 10:09:35 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-003
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 80043 Lims Sample ID: 3
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:44 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.577	1.577	0.000	1067402	0.0587		100.0	
1	2	1.868	1.868	0.000	857099	0.0585	57.1- 107.1	80.3	
1	3	2.270	2.270	0.000	1648917	0.0580	138.6- 188.6	154.5	
1	4	2.393	2.393	0.000	669243	0.0558	43.2- 93.2	62.7	
1	5	2.777	2.777	0.000	679749	0.0581	41.1- 91.1	63.7	
			Average of Peak Amounts =			0.0578			
2	6	2.138	2.138	0.000	3229116	0.0605		100.0	
2	7	2.540	2.540	0.000	2379901	0.0587	47.1- 107.1	73.7	
2	8	2.996	2.996	0.000	4414470	0.0549	119.9- 179.9	136.7	
2	9	3.136	3.136	0.000	2248623	0.0614	38.2- 98.2	69.6	
2	10	3.750	3.750	0.000	1863522	0.0604	29.2- 89.2	57.7	
			Average of Peak Amounts =			0.0592			
						RPD = 2.31			

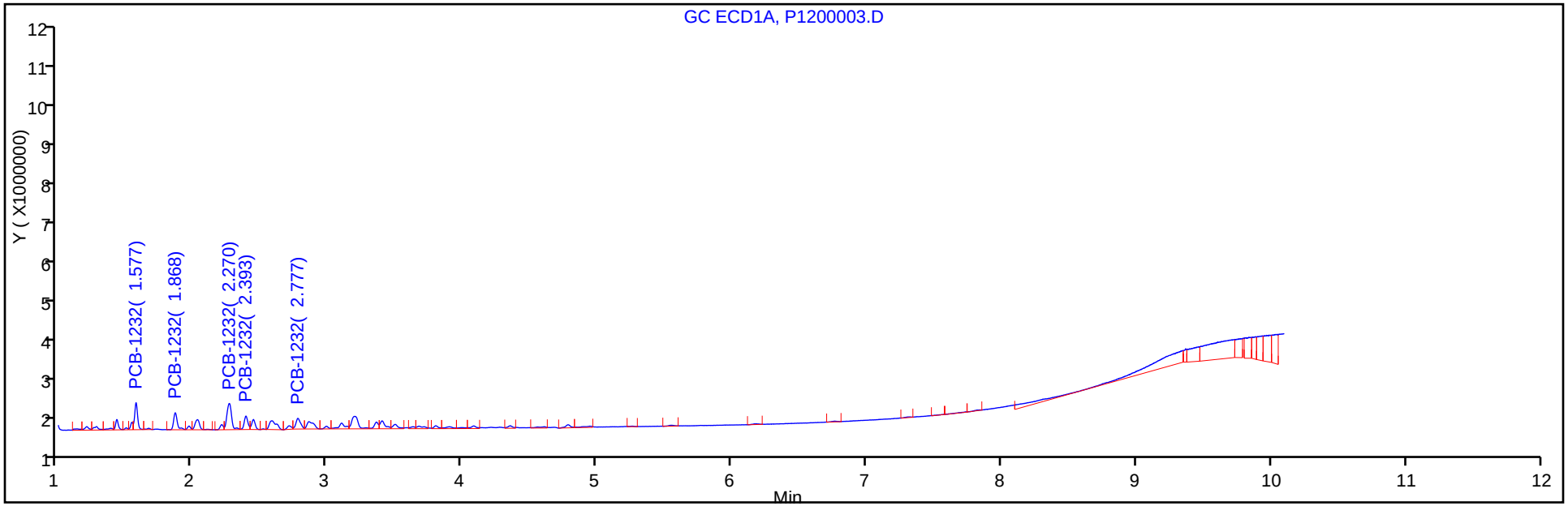
Report Date: 02-Apr-2013 07:01:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

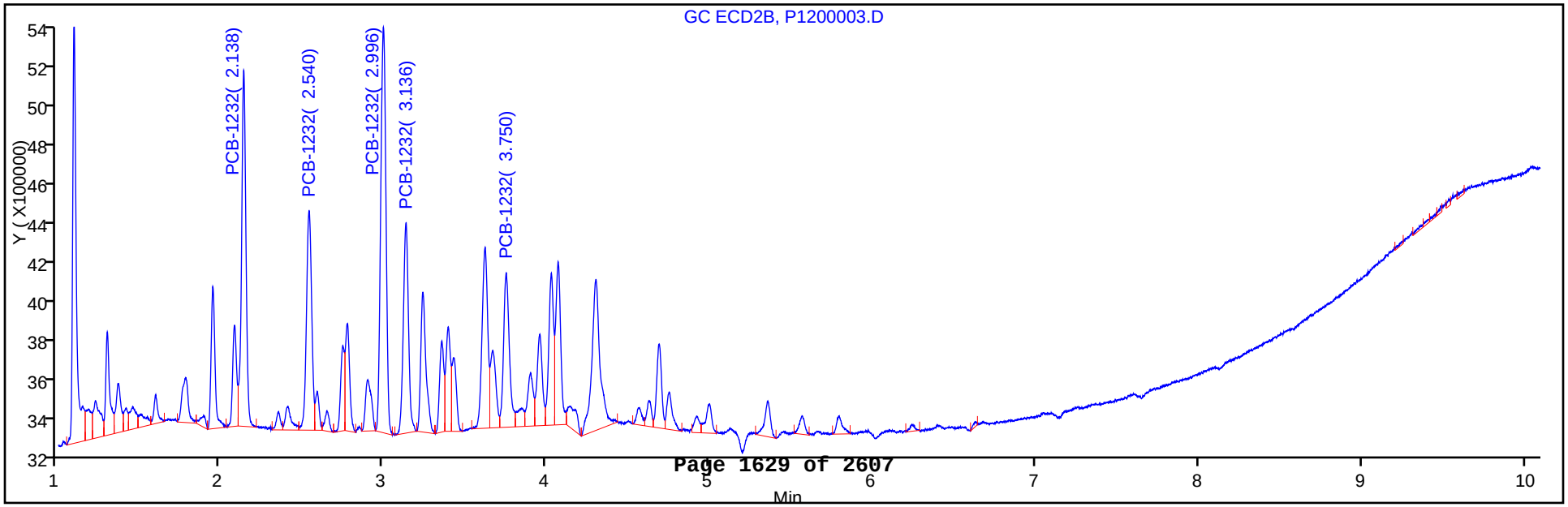
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200003.D

Injection Date:	01-Apr-2013 10:09:35	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 01-Apr-2013 10:23:39 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-004
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 80043 Lims Sample ID: 4
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:46 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.576	1.577	-0.001	2121896	0.1167		100.0	
1	2	1.868	1.868	0.000	1670281	0.1140	57.1- 107.1	78.7	
1	3	2.270	2.270	0.000	3258881	0.1146	138.6- 188.6	153.6	
1	4	2.392	2.393	-0.001	1364408	0.1137	43.2- 93.2	64.3	
1	5	2.779	2.777	0.002	1334990	0.1141	41.1- 91.1	62.9	
			Average of Peak Amounts =			0.1146			
2	6	2.140	2.138	0.002	5997596	0.1124		100.0	
2	7	2.540	2.540	0.000	4603978	0.1135	47.1- 107.1	76.8	
2	8	2.996	2.996	0.000	8701790	0.1082	119.9- 179.9	145.1	
2	9	3.136	3.136	0.000	4054720	0.1107	38.2- 98.2	67.6	
2	10	3.750	3.750	0.000	3468355	0.1123	29.2- 89.2	57.8	
			Average of Peak Amounts =			0.1114			
						RPD = 2.83			

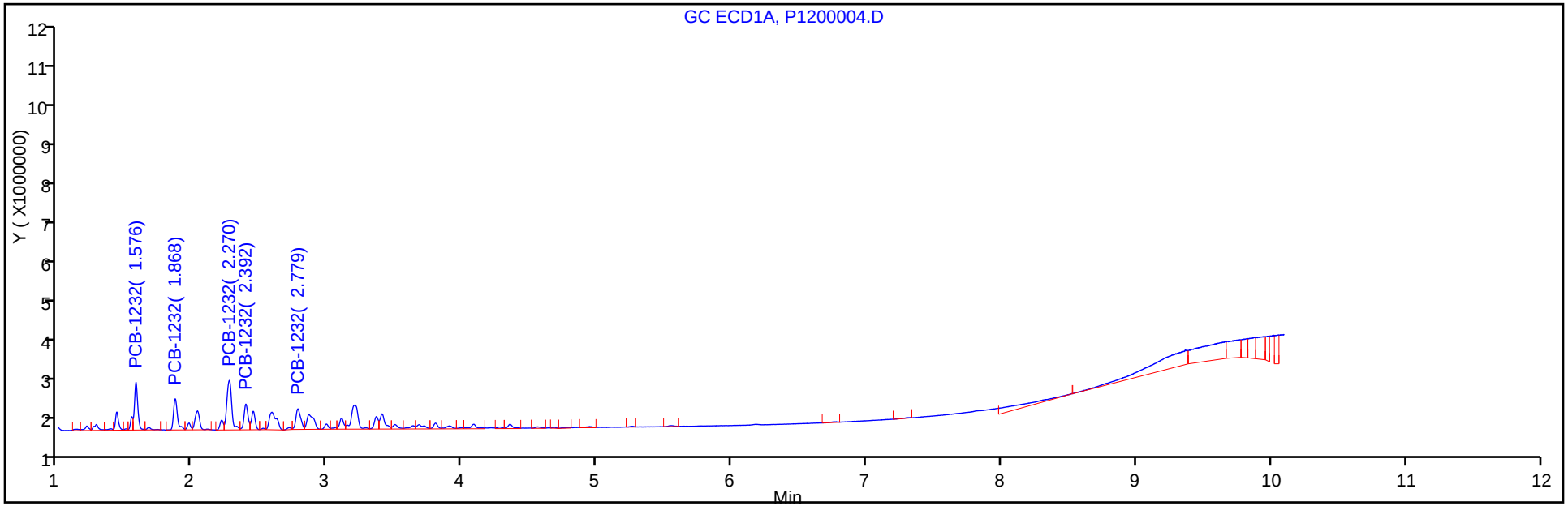
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TestAmerica Canton

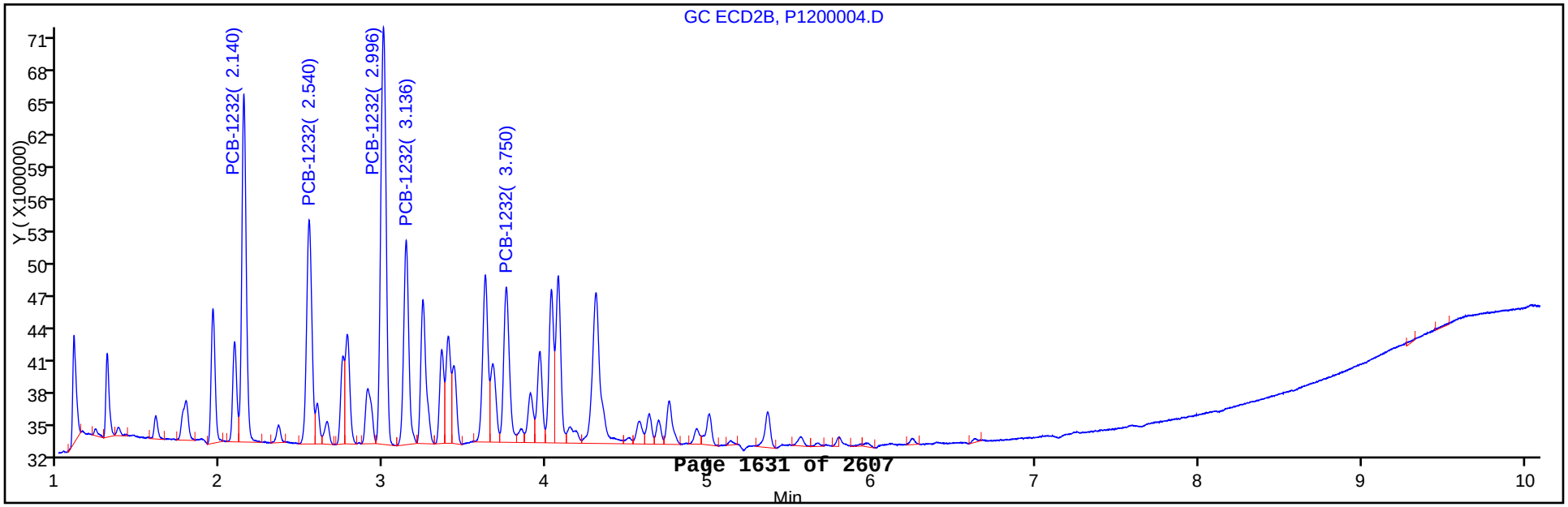
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200004.D

Injection Date:	01-Apr-2013 10:23:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 01-Apr-2013 10:38:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-005
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 80043 Lims Sample ID: 5
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:47 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	3766291	0.2072		100.0	
1	2	1.869	1.868	0.001	3093304	0.2112	57.1- 107.1	82.1	
1	3	2.271	2.270	0.001	6163309	0.2167	138.6- 188.6	163.6	
1	4	2.394	2.393	0.001	2569886	0.2141	43.2- 93.2	68.2	
1	5	2.780	2.777	0.003	2488917	0.2127	41.1- 91.1	66.1	
			Average of Peak Amounts =			0.2124			
2	6	2.140	2.138	0.002	10982840	0.2058		100.0	
2	7	2.540	2.540	0.000	8462667	0.2086	47.1- 107.1	77.1	
2	8	2.996	2.996	0.000	16459114	0.2046	119.9- 179.9	149.9	
2	9	3.136	3.136	0.000	7490482	0.2046	38.2- 98.2	68.2	
2	10	3.750	3.750	0.000	6498626	0.2105	29.2- 89.2	59.2	
			Average of Peak Amounts =			0.2068			
						RPD = 2.66			

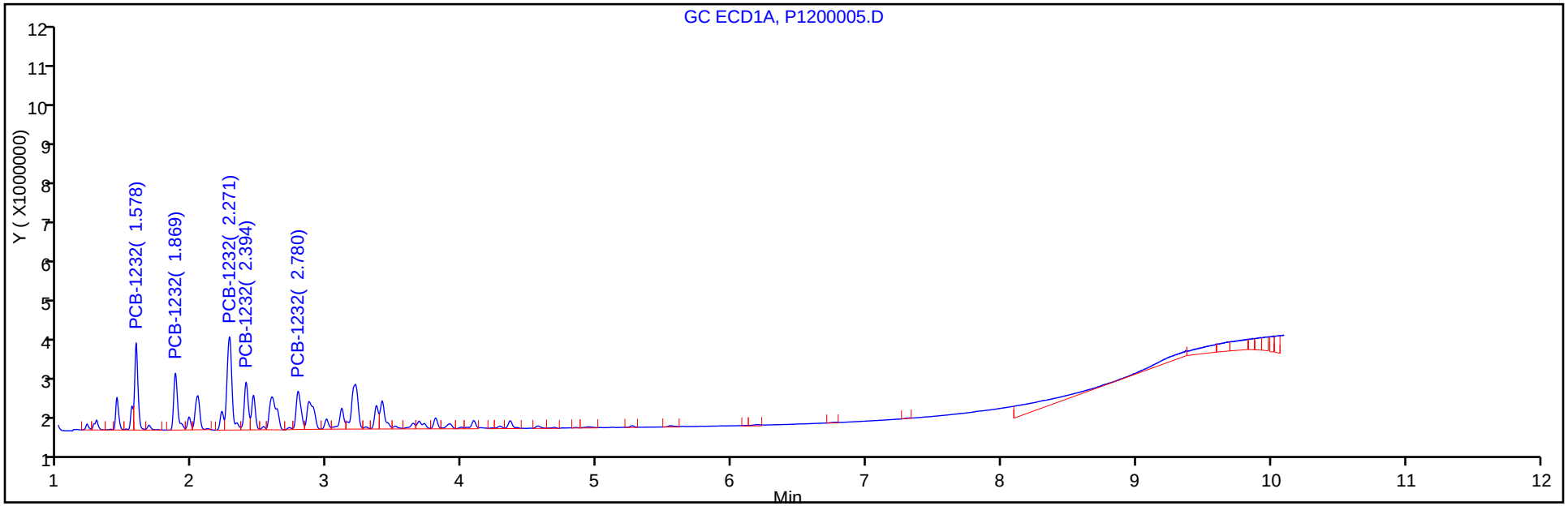
Report Date: 02-Apr-2013 07:01:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

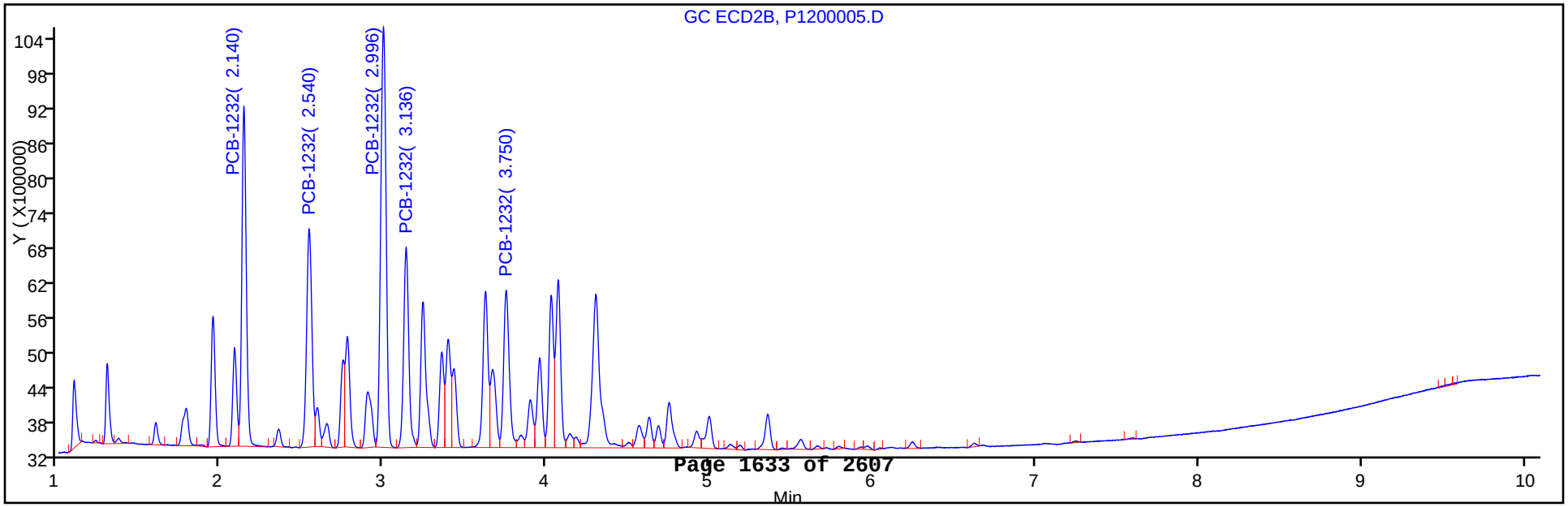
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200005.D

Injection Date:	01-Apr-2013 10:38:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200006.D
Lims ID: STD05 1232 Client ID:
Inject. Date: 01-Apr-2013 10:52:44 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-006
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 80043 Lims Sample ID: 6
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:48 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	8919479	0.4907		100.0	
1	2	1.869	1.868	0.001	7191285	0.4909	57.1- 107.1	80.6	
1	3	2.270	2.270	0.000	13492025	0.4744	138.6- 188.6	151.3	
1	4	2.394	2.393	0.001	5888802	0.4907	43.2- 93.2	66.0	
1	5	2.780	2.777	0.003	5601129	0.4786	41.1- 91.1	62.8	
			Average of Peak Amounts =			0.4851			
2	6	2.139	2.138	0.001	25736482	0.4823		100.0	
2	7	2.540	2.540	0.000	19661095	0.4847	47.1- 107.1	76.4	
2	8	2.997	2.996	0.001	39593508	0.4921	119.9- 179.9	153.8	
2	9	3.137	3.136	0.001	17406000	0.4754	38.2- 98.2	67.6	
2	10	3.750	3.750	0.000	14669402	0.4752	29.2- 89.2	57.0	
			Average of Peak Amounts =			0.4819			
						RPD = 0.65			

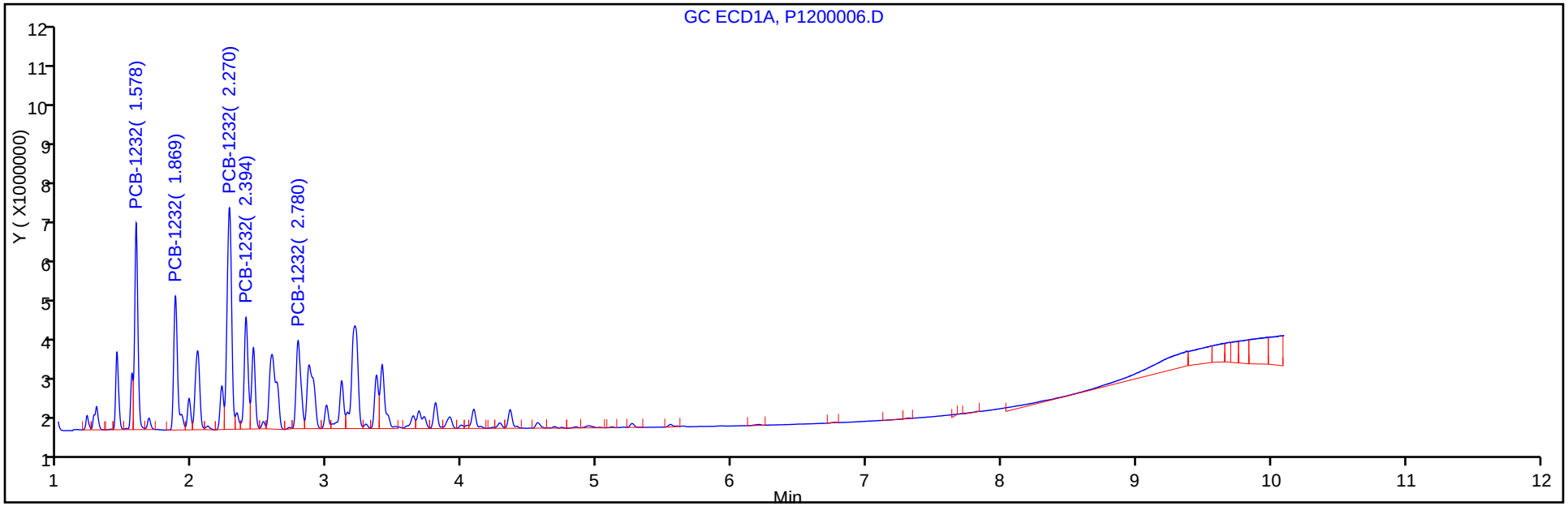
Report Date: 02-Apr-2013 07:01:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

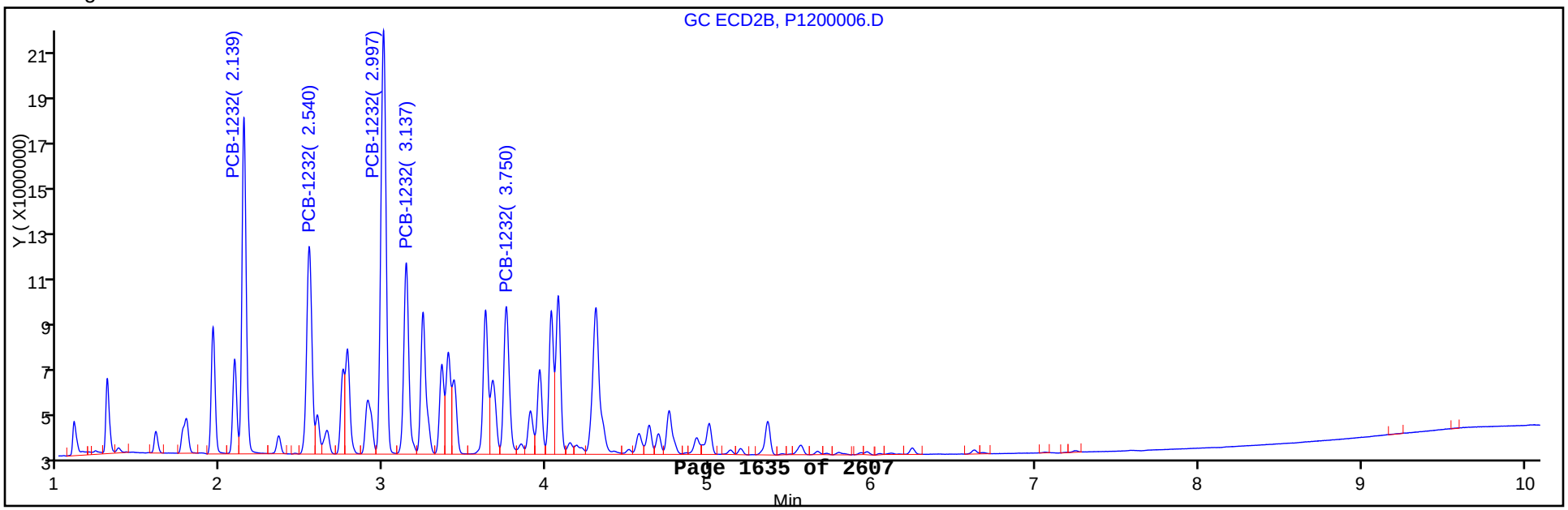
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Injection Date:	01-Apr-2013 10:52:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200007.D
Lims ID: STD1 1232 Client ID:
Inject. Date: 01-Apr-2013 11:07:17 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-007
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 80043 Lims Sample ID: 7
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:49 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.578	1.577	0.001	15651687	0.8611		100.0	
1	2	1.870	1.868	0.002	12741996	0.8699	57.1- 107.1	81.4	
1	3	2.271	2.270	0.001	24609683	0.8653	138.6- 188.6	157.2	
1	4	2.394	2.393	0.001	10641624	0.8867	43.2- 93.2	68.0	
1	5	2.780	2.777	0.003	10356120	0.8850	41.1- 91.1	66.2	
			Average of Peak Amounts =			0.8736			
2	6	2.140	2.138	0.002	46505395	0.8715		100.0	
2	7	2.541	2.540	0.001	35683015	0.8796	47.1- 107.1	76.7	
2	8	2.997	2.996	0.001	74635115	0.9277	119.9- 179.9	160.5	
2	9	3.137	3.136	0.001	31814666	0.8690	38.2- 98.2	68.4	
2	10	3.750	3.750	0.000	26433892	0.8562	29.2- 89.2	56.8	
			Average of Peak Amounts =			0.8808			
						RPD = 0.82			

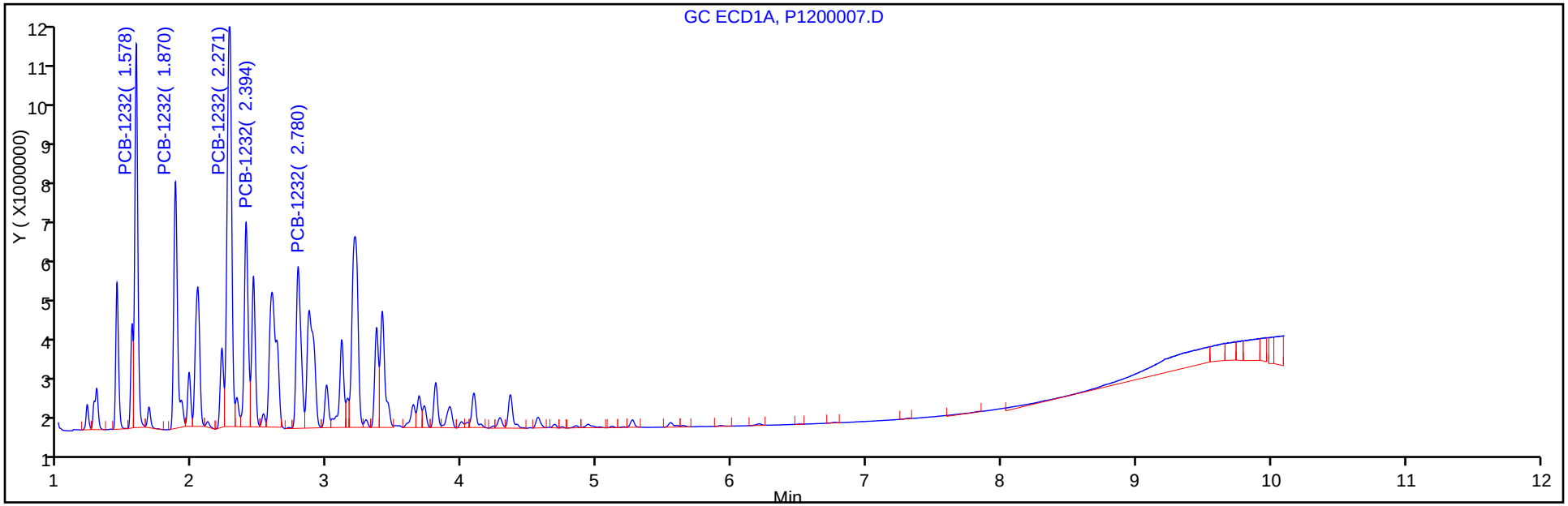
Report Date: 02-Apr-2013 07:01:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

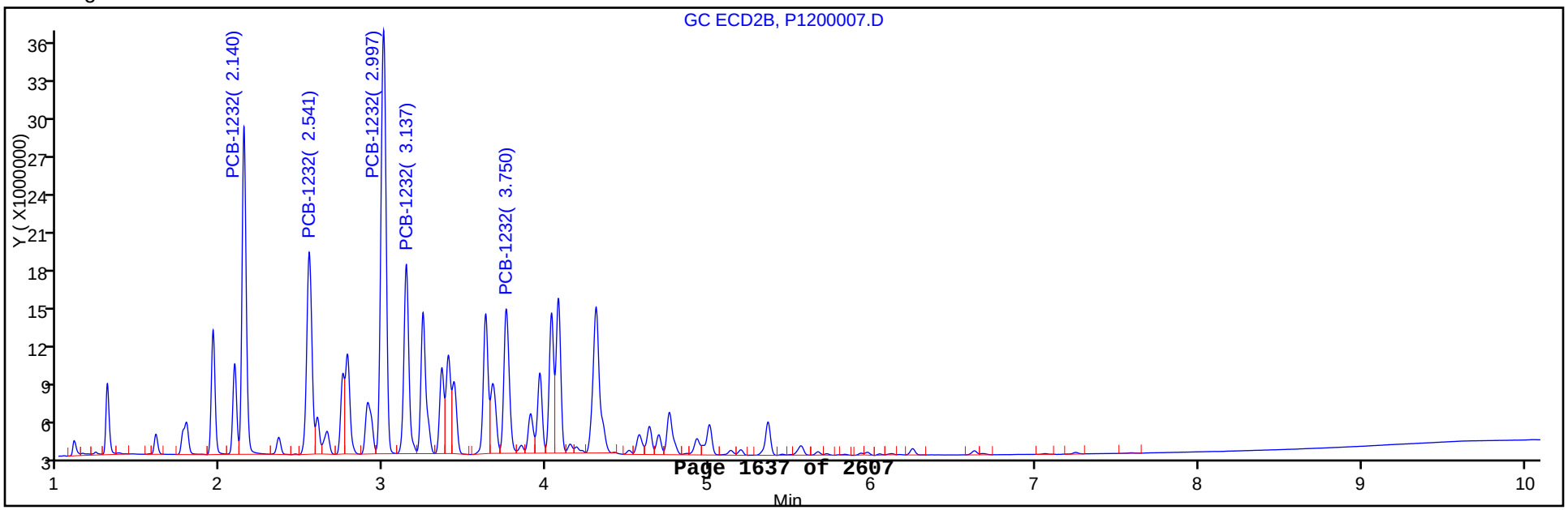
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200007.D

Injection Date:	01-Apr-2013 11:07:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200008.D
Lims ID: STD2 1232 Client ID:
Inject. Date: 01-Apr-2013 11:21:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-008
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 80043 Lims Sample ID: 8
Sublist: chrom-PCB12*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:51 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.577	1.577	0.000	28343544	1.56		100.0	
1	2	1.868	1.868	0.000	22902217	1.56	57.1- 107.1	80.8	
1	3	2.271	2.270	0.001	45330665	1.59	138.6- 188.6	159.9	
1	4	2.393	2.393	0.000	19413307	1.62	43.2- 93.2	68.5	
1	5	2.780	2.777	0.003	18529304	1.58	41.1- 91.1	65.4	
			Average of Peak Amounts =			1.58			
2	6	2.138	2.138	0.000	85474691	1.60		100.0	
2	7	2.540	2.540	0.000	64888909	1.60	47.1- 107.1	75.9	
2	8	2.997	2.996	0.001	142554635	1.77	119.9- 179.9	166.8	
2	9	3.136	3.136	0.000	60155102	1.64	38.2- 98.2	70.4	
2	10	3.749	3.750	-0.001	50031048	1.62	29.2- 89.2	58.5	
			Average of Peak Amounts =			1.65			
						RPD = 3.95			

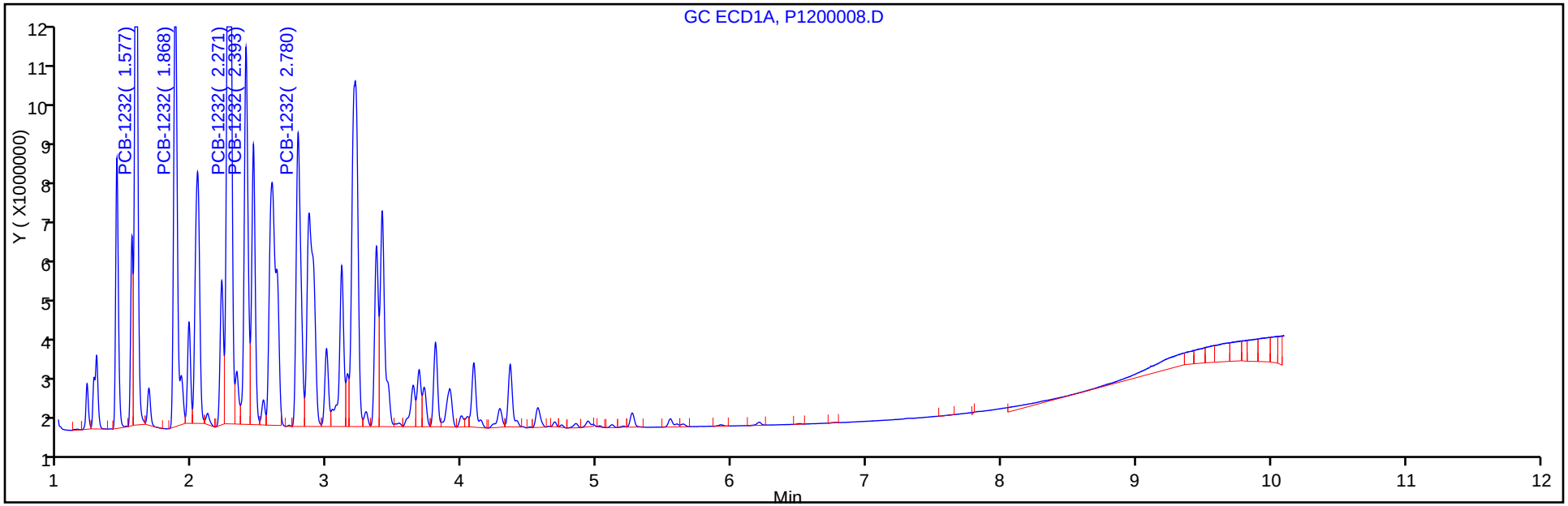
Report Date: 02-Apr-2013 07:01:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

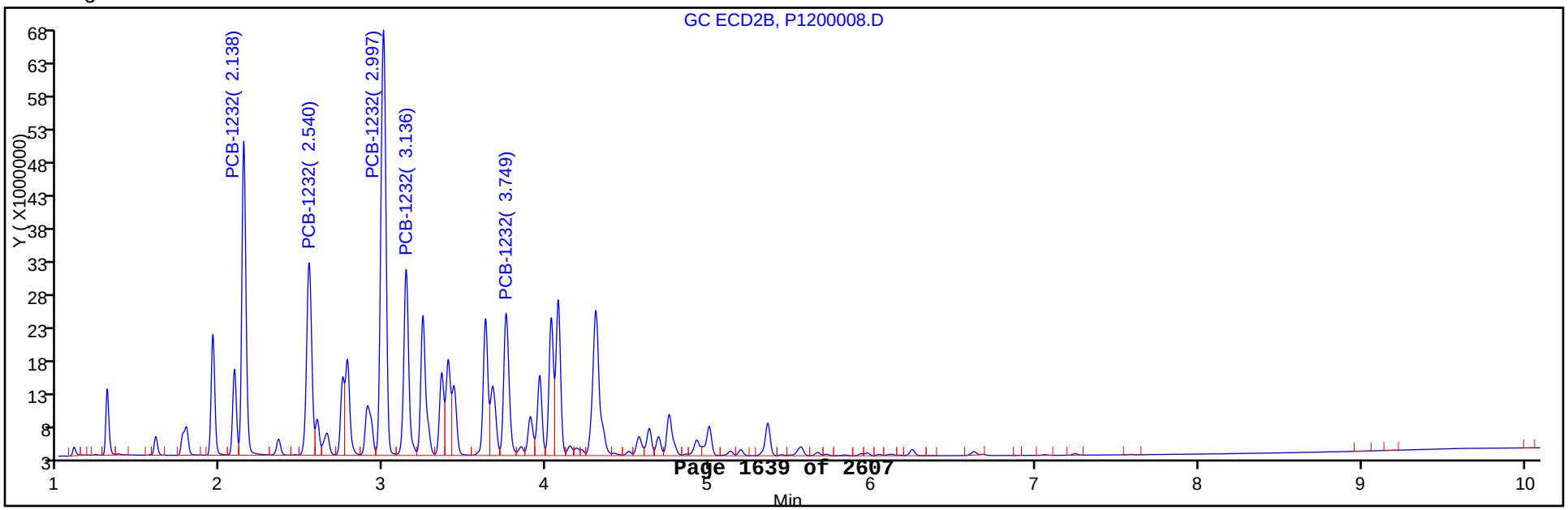
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200008.D

Injection Date:	01-Apr-2013 11:21:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	1.575	1.577	1.576	1.577	1.575	1.575					1.525 - 1.625	1.576
PCB-1242 Peak 2	1.865	1.867	1.866	1.869	1.865	1.865					1.815 - 1.915	1.866
PCB-1242 Peak 3	2.265	2.267	2.266	2.268	2.266	2.265					2.215 - 2.315	2.266
PCB-1242 Peak 4	2.388	2.389	2.390	2.391	2.388	2.387					2.338 - 2.438	2.389
PCB-1242 Peak 5	2.775	2.774	2.774	2.776	2.774	2.772					2.725 - 2.825	2.774

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.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								
PCB-1242 Peak 1	15004320 11367362	14469500 9829978	14244905	12072192	Ave		12831376.1				16.0		20.0			
PCB-1242 Peak 2	29138640 22025518	27926670 20023881	26871100	22716678	Ave		24783747.8				15.0		20.0			
PCB-1242 Peak 3	59522140 48859756	58919450 43061175	52990220	46168508	Ave		51586874.8				13.0		20.0			
PCB-1242 Peak 4	24894700 19950619	24818490 18443819	23729915	20362120	Ave		22033277.2				13.0		20.0			
PCB-1242 Peak 5	27215220 21039397	26720000 19399697	24988185	21505094	Ave		23477932.1				14.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.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
PCB-1242 Peak 1	Ave	750216 19659955	1446950	2848981	6036096	11367362	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	1456932 40047761	2792667	5374220	11358339	22025518	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	2976107 86122350	5891945	10598044	23084254	48859756	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1244735 36887638	2481849	4745983	10181060	19950619	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1360761 38799393	2672000	4997637	10752547	21039397	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 01-Apr-2013 11:35:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-009
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 80043 Lims Sample ID: 9
Sublist: chrom-PCB12*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:52 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	750216	0.0585		100.0	
1	2	1.865	1.865	0.000	1456932	0.0588	163.6- 213.6	194.2	
1	3	2.265	2.265	0.000	2976107	0.0577	347.0- 397.0	396.7	
1	4	2.388	2.388	0.000	1244735	0.0565	141.6- 191.6	165.9	
1	5	2.775	2.775	0.000	1360761	0.0580	150.4- 200.4	181.4	
			Average of Peak Amounts =			0.0579			
2	6	2.136	2.136	0.000	2391790	0.0627		100.0	
2	7	2.536	2.536	0.000	4246944	0.0585	162.4- 222.4	177.6	
2	8	2.991	2.991	0.000	7976503	0.0541	348.9- 408.9	333.5	
2	9	3.130	3.130	0.000	3784975	0.0584	136.6- 196.6	158.2	
2	10	3.615	3.615	0.000	3653834	0.0425	108.6- 168.6	152.8	
			Average of Peak Amounts =			0.0552			
						RPD = 4.67			

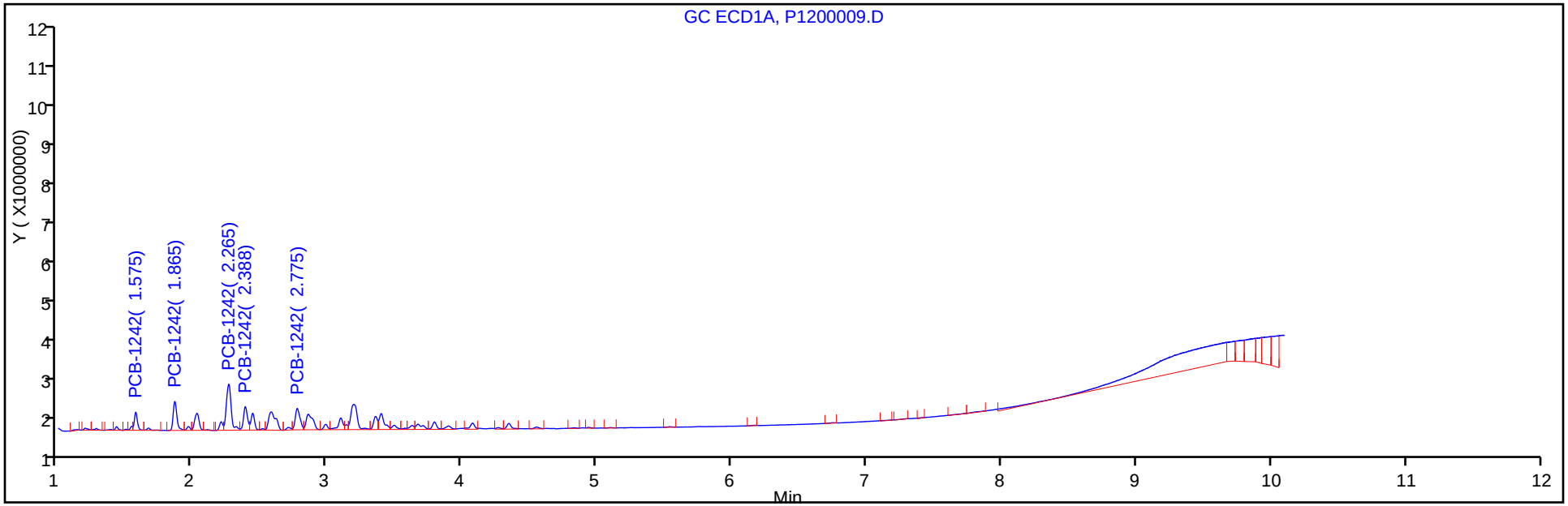
Report Date: 02-Apr-2013 07:01:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

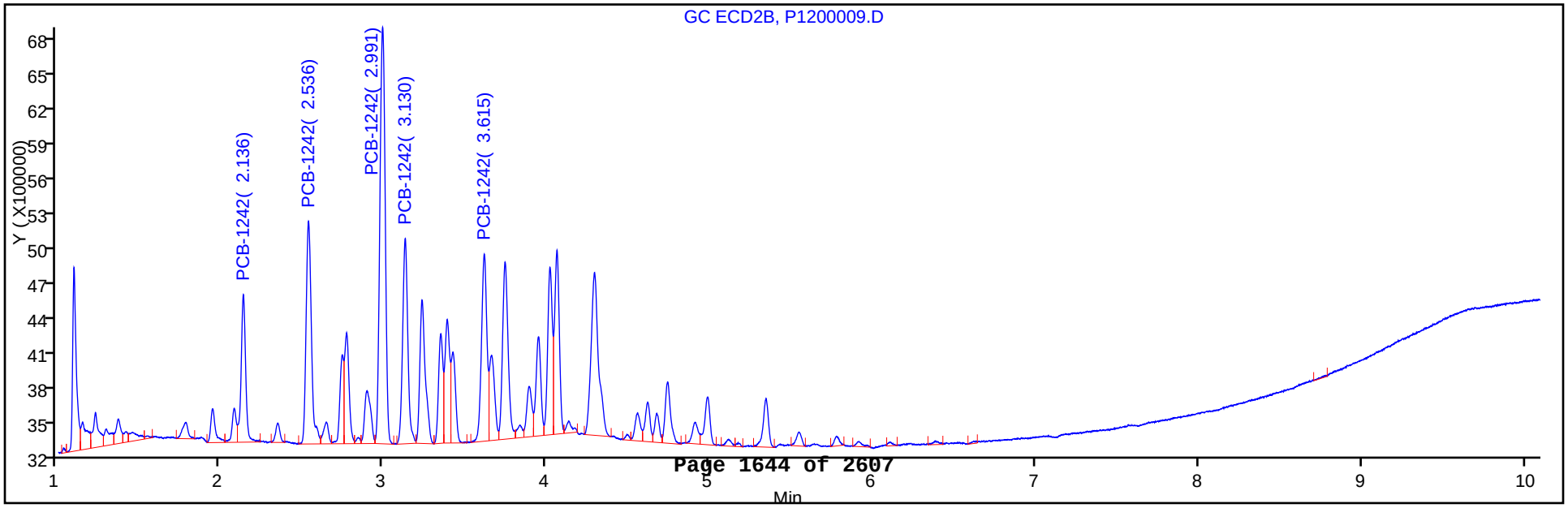
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200009.D

Injection Date:	01-Apr-2013 11:35:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200010.D		
Lims ID:	STD01 1242	Client ID:	
Inject. Date:	01-Apr-2013 11:50:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018420-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	80043	Lims Sample ID:	10
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:40:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.577	1.575	0.002	1446950	0.1128		100.0	
1	2	1.867	1.865	0.002	2792667	0.1127	163.6- 213.6	193.0	
1	3	2.267	2.265	0.002	5891945	0.1142	347.0- 397.0	407.2	
1	4	2.389	2.388	0.001	2481849	0.1126	141.6- 191.6	171.5	
1	5	2.774	2.775	-0.001	2672000	0.1138	150.4- 200.4	184.7	
			Average of Peak Amounts =			0.1132			
2	6	2.136	2.136	0.000	4307986	0.1130		100.0	
2	7	2.537	2.536	0.001	8176989	0.1127	162.4- 222.4	189.8	
2	8	2.991	2.991	0.000	15634863	0.1060	348.9- 408.9	362.9	
2	9	3.130	3.130	0.000	7103119	0.1096	136.6- 196.6	164.9	
2	10	3.615	3.615	0.000	6694459	0.1102	108.6- 168.6	155.4	
			Average of Peak Amounts =			0.1103			
						RPD = 2.62			

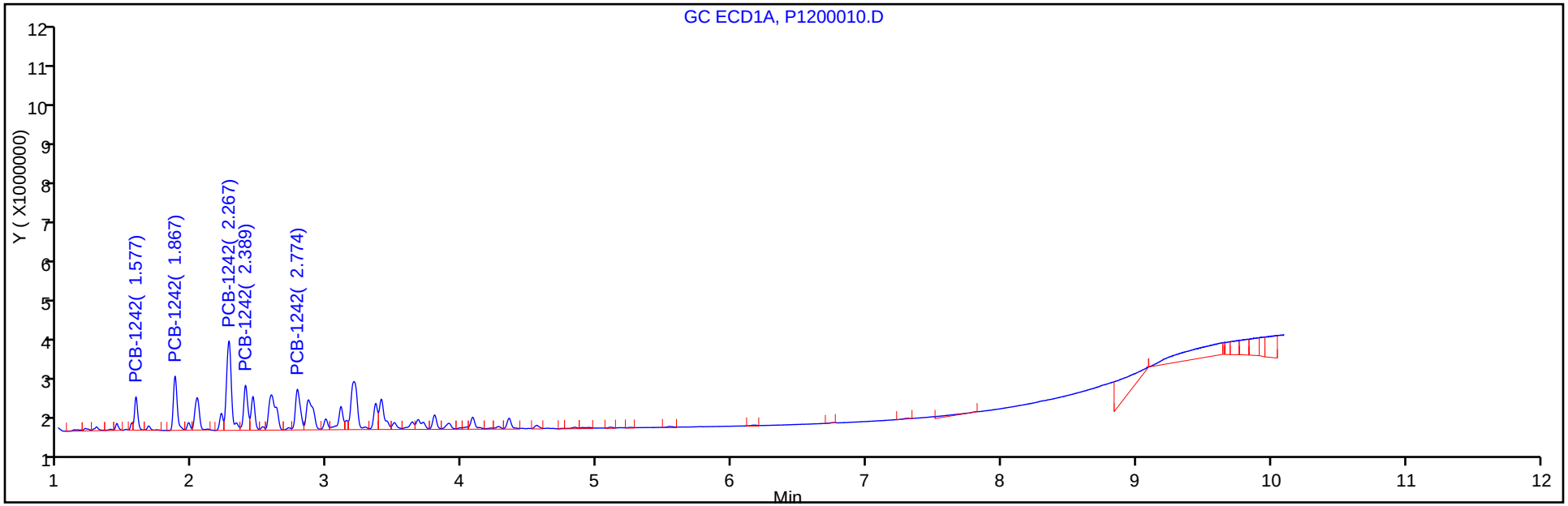
Report Date: 02-Apr-2013 07:01:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

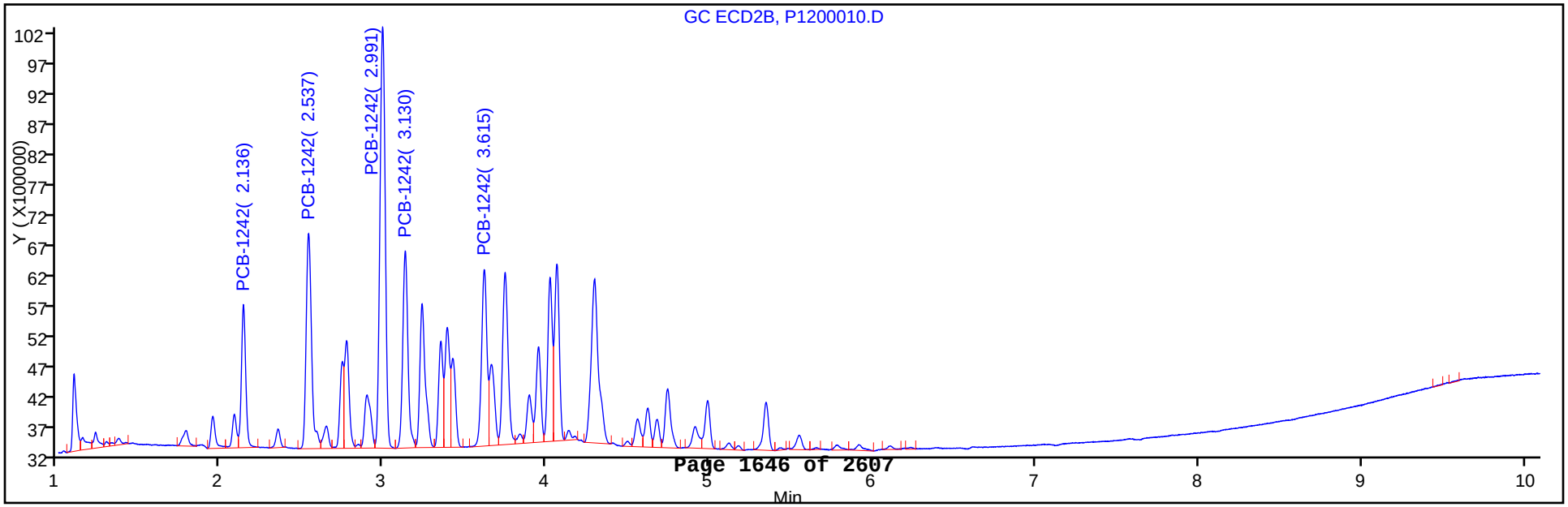
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200010.D

Injection Date:	01-Apr-2013 11:50:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200011.D		
Lims ID:	STD02 1242	Client ID:	
Inject. Date:	01-Apr-2013 12:05:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018420-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	80043	Lims Sample ID:	11
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:54	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:39:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.576	1.575	0.001	2848981	0.2220		100.0	
1	2	1.866	1.865	0.001	5374220	0.2168	163.6- 213.6	188.6	
1	3	2.266	2.265	0.001	10598044	0.2054	347.0- 397.0	372.0	
1	4	2.390	2.388	0.002	4745983	0.2154	141.6- 191.6	166.6	
1	5	2.774	2.775	-0.001	4997637	0.2129	150.4- 200.4	175.4	
			Average of Peak Amounts =			0.2145			
2	6	2.137	2.136	0.001	8036317	0.2108		100.0	
2	7	2.536	2.536	0.000	15460475	0.2131	162.4- 222.4	192.4	
2	8	2.992	2.991	0.001	30449231	0.2064	348.9- 408.9	378.9	
2	9	3.130	3.130	0.000	13387463	0.2066	136.6- 196.6	166.6	
2	10	3.617	3.615	0.002	11134618	0.2092	108.6- 168.6	138.6	
			Average of Peak Amounts =			0.2092			
						RPD = 2.51			

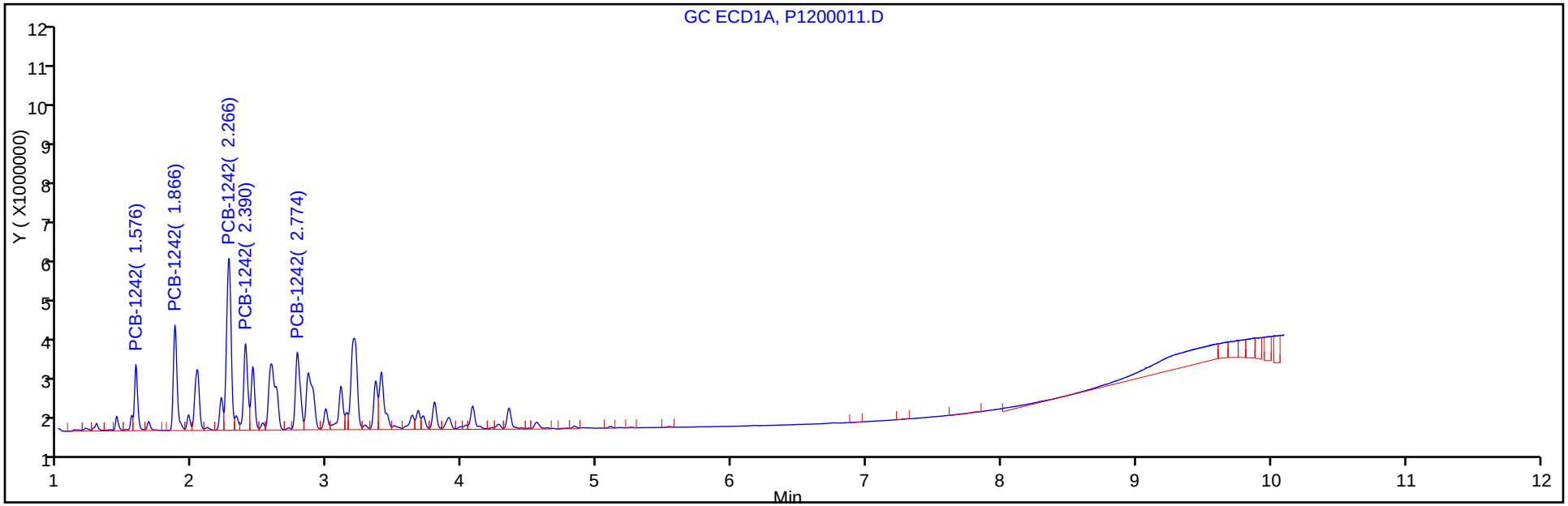
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TestAmerica Canton

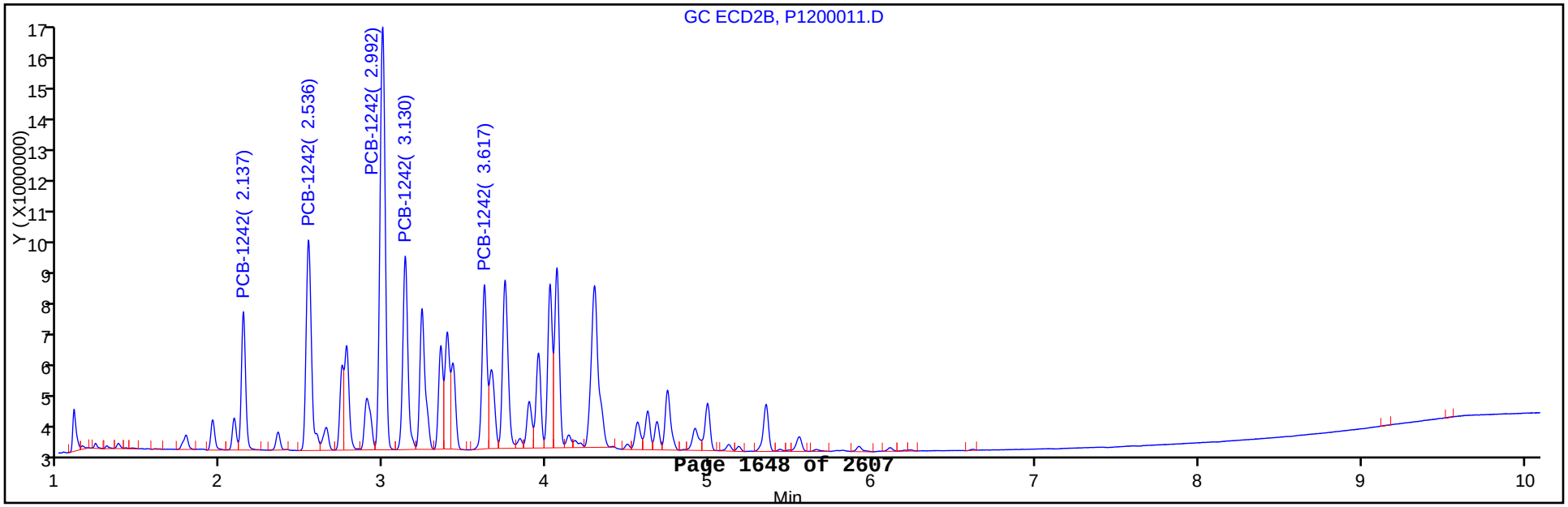
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200011.D

Injection Date:	01-Apr-2013 12:05:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 01-Apr-2013 12:19:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-012
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 80043 Lims Sample ID: 12
Sublist: chrom-PCB12*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:56 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:42:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.577	1.575	0.002	6036096	0.4704		100.0	M
1	2	1.869	1.865	0.004	11358339	0.4583	163.6- 213.6	188.2	
1	3	2.268	2.265	0.003	23084254	0.4475	347.0- 397.0	382.4	
1	4	2.391	2.388	0.003	10181060	0.4621	141.6- 191.6	168.7	
1	5	2.776	2.775	0.001	10752547	0.4580	150.4- 200.4	178.1	
			Average of Peak Amounts =			0.4593			
2	6	2.138	2.136	0.002	16894463	0.4432		100.0	
2	7	2.537	2.536	0.001	32912429	0.4536	162.4- 222.4	194.8	
2	8	2.992	2.991	0.001	68830972	0.4665	348.9- 408.9	407.4	
2	9	3.131	3.130	0.001	29713497	0.4584	136.6- 196.6	175.9	
2	10	3.618	3.615	0.003	24007561	0.4960	108.6- 168.6	142.1	
			Average of Peak Amounts =			0.4635			
						RPD = 0.93			

QC Flag Legend

Review Flags
M - Manually Integrated

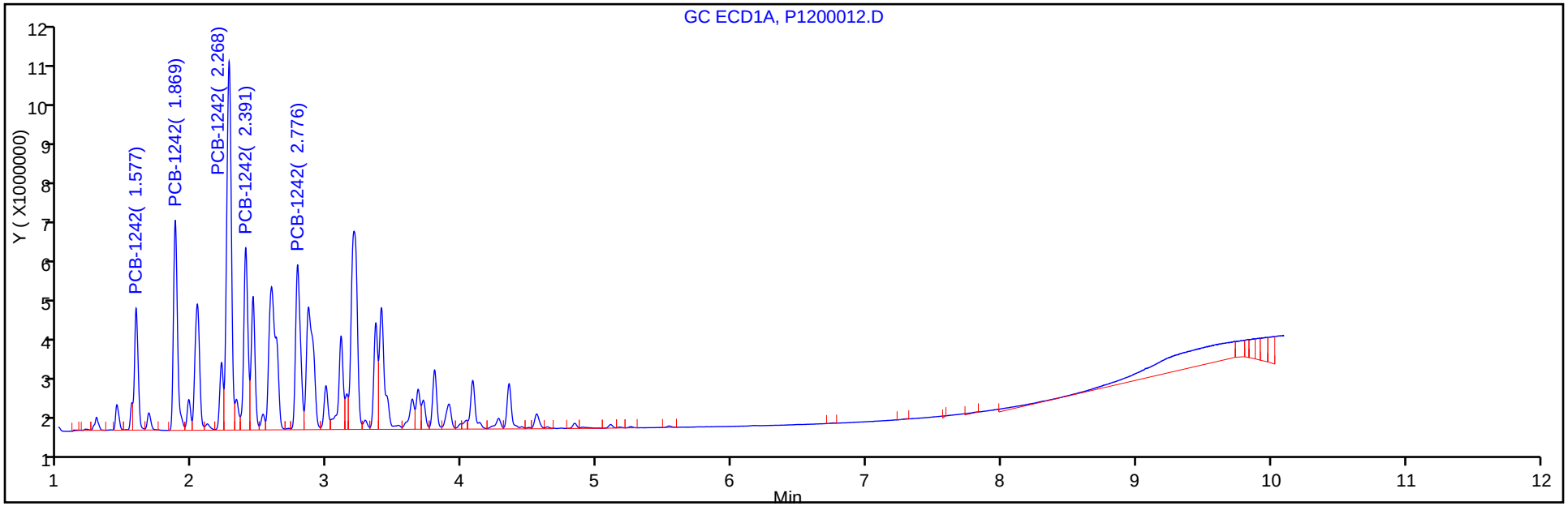
Report Date: 02-Apr-2013 07:01:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

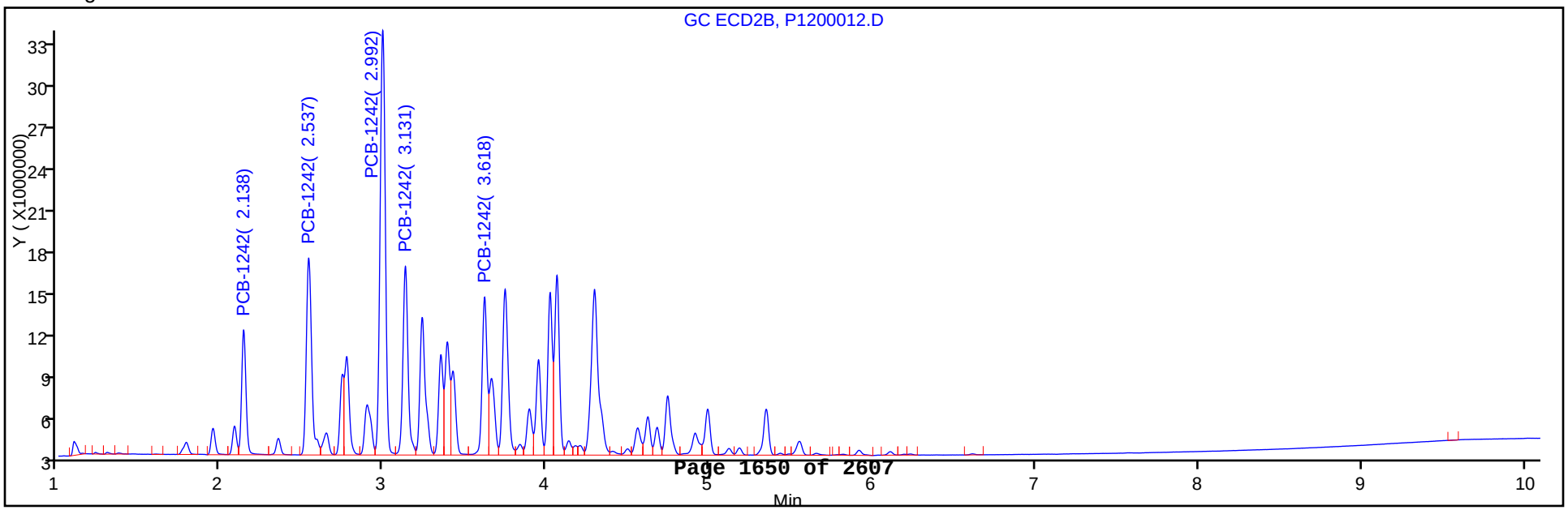
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200012.D

Injection Date:	01-Apr-2013 12:19:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



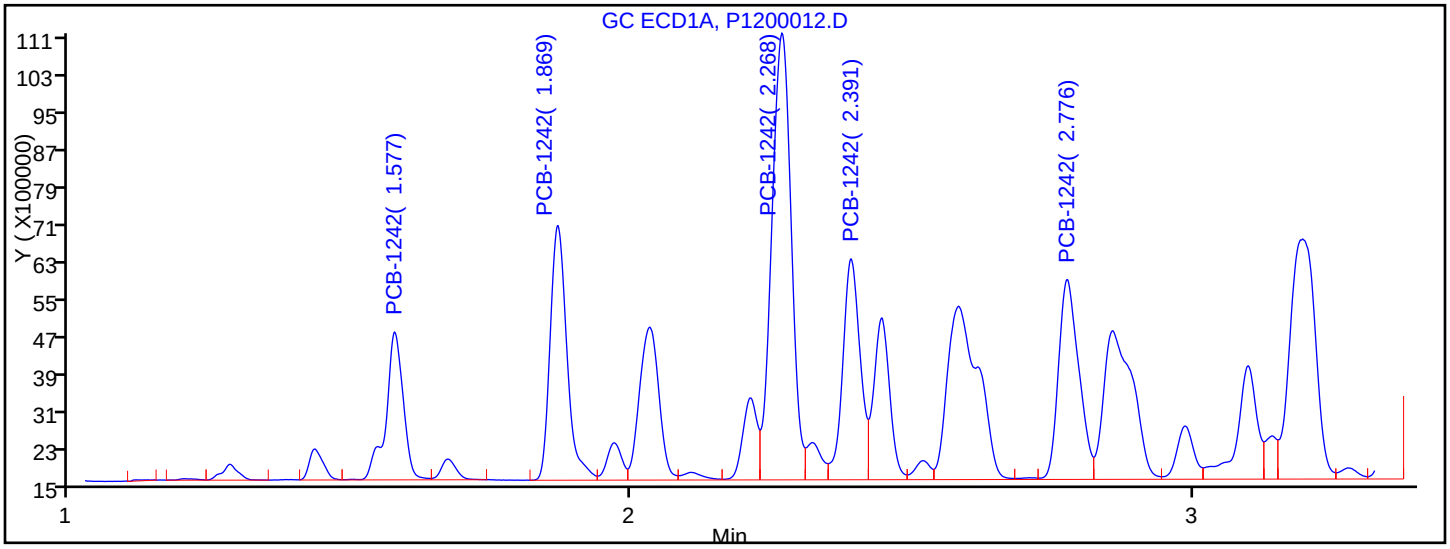
Report Date: 02-Apr-2013 07:01:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200012.D

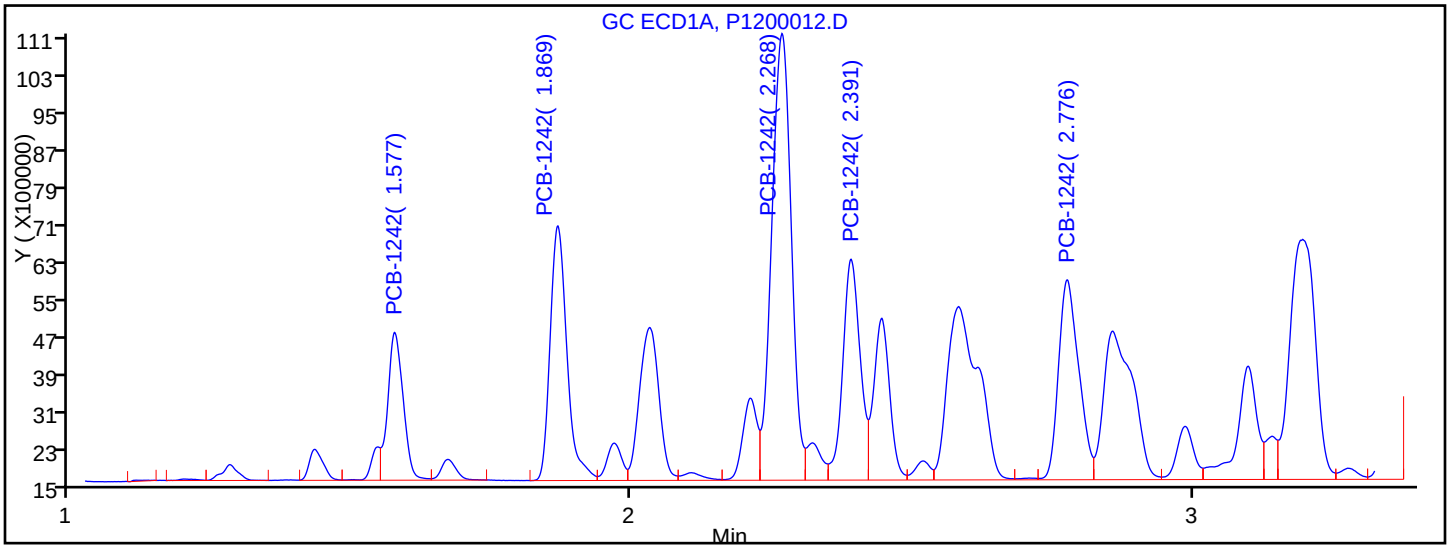
Injection Date:	01-Apr-2013 12:19:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.577	Response = 6804663	M
RT = 1.869	Response = 11358339	
RT = 2.268	Response = 23084254	
RT = 2.391	Response = 10181060	
RT = 2.776	Response = 10752547	



Manual Integration Results

RT = 1.577	Response = 6036096	M
RT = 1.869	Response = 11358339	
RT = 2.268	Response = 23084254	
RT = 2.391	Response = 10181060	
RT = 2.776	Response = 10752547	

Reviewer: hassl, 02-Apr-2013 06:44:57

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200013.D
Lims ID: STD1 1242 Client ID:
Inject. Date: 01-Apr-2013 12:33:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-013
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 80043 Lims Sample ID: 13
Sublist: chrom-PCB12*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:57 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	11367362	0.8859		100.0	
1	2	1.865	1.865	0.000	22025518	0.8887	163.6- 213.6	193.8	
1	3	2.266	2.265	0.001	48859756	0.9471	347.0- 397.0	429.8	
1	4	2.388	2.388	0.000	19950619	0.9055	141.6- 191.6	175.5	
1	5	2.774	2.775	-0.001	21039397	0.8961	150.4- 200.4	185.1	
			Average of Peak Amounts =			0.9047			
2	6	2.136	2.136	0.000	33160800	0.8699		100.0	
2	7	2.537	2.536	0.001	65463911	0.9022	162.4- 222.4	197.4	
2	8	2.992	2.991	0.001	143305385	0.9713	348.9- 408.9	432.2	
2	9	3.131	3.130	0.001	60290356	0.9302	136.6- 196.6	181.8	
2	10	3.617	3.615	0.002	47957714	1.03	108.6- 168.6	144.6	
			Average of Peak Amounts =			0.9406			
						RPD = 3.90			

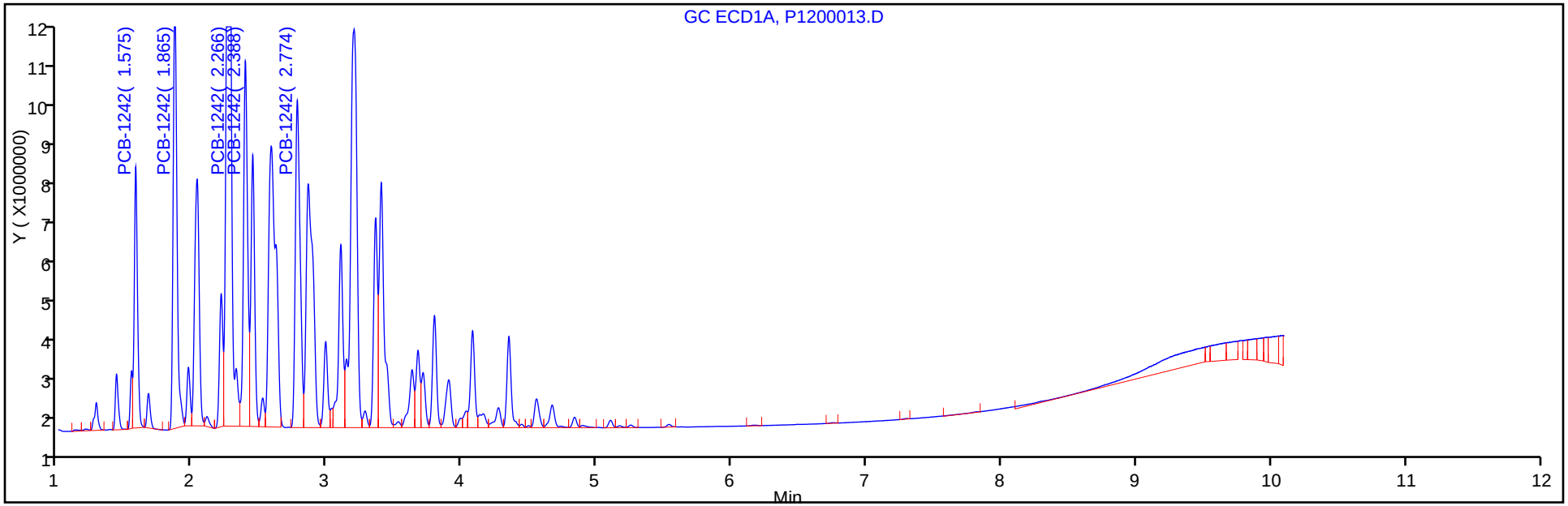
Report Date: 02-Apr-2013 07:01:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

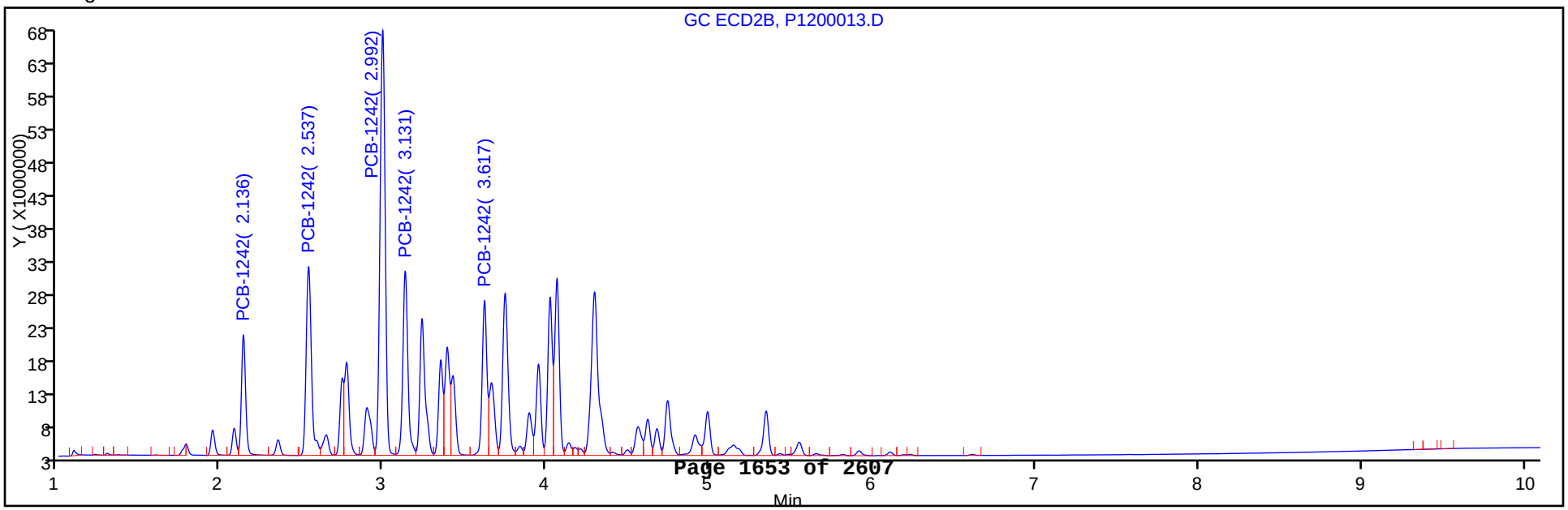
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200013.D

Injection Date:	01-Apr-2013 12:33:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200014.D		
Lims ID:	STD2 1242	Client ID:	
Inject. Date:	01-Apr-2013 12:48:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0018420-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	80043	Lims Sample ID:	14
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:58	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:44:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	19659955	1.53		100.0	
1	2	1.865	1.865	0.000	40047761	1.62	163.6- 213.6	203.7	
1	3	2.265	2.265	0.000	86122350	1.67	347.0- 397.0	438.1	
1	4	2.387	2.388	-0.001	36887638	1.67	141.6- 191.6	187.6	
1	5	2.772	2.775	-0.003	38799393	1.65	150.4- 200.4	197.4	
			Average of Peak Amounts =			1.63			
2	6	2.136	2.136	0.000	61374294	1.61		100.0	
2	7	2.536	2.536	0.000	120148888	1.66	162.4- 222.4	195.8	
2	8	2.991	2.991	0.000	272378981	1.85	348.9- 408.9	443.8	
2	9	3.131	3.130	0.001	110987094	1.71	136.6- 196.6	180.8	
2	10	3.617	3.615	0.002	89815049	1.96	108.6- 168.6	146.3	
			Average of Peak Amounts =			1.76			
						RPD = 7.59			

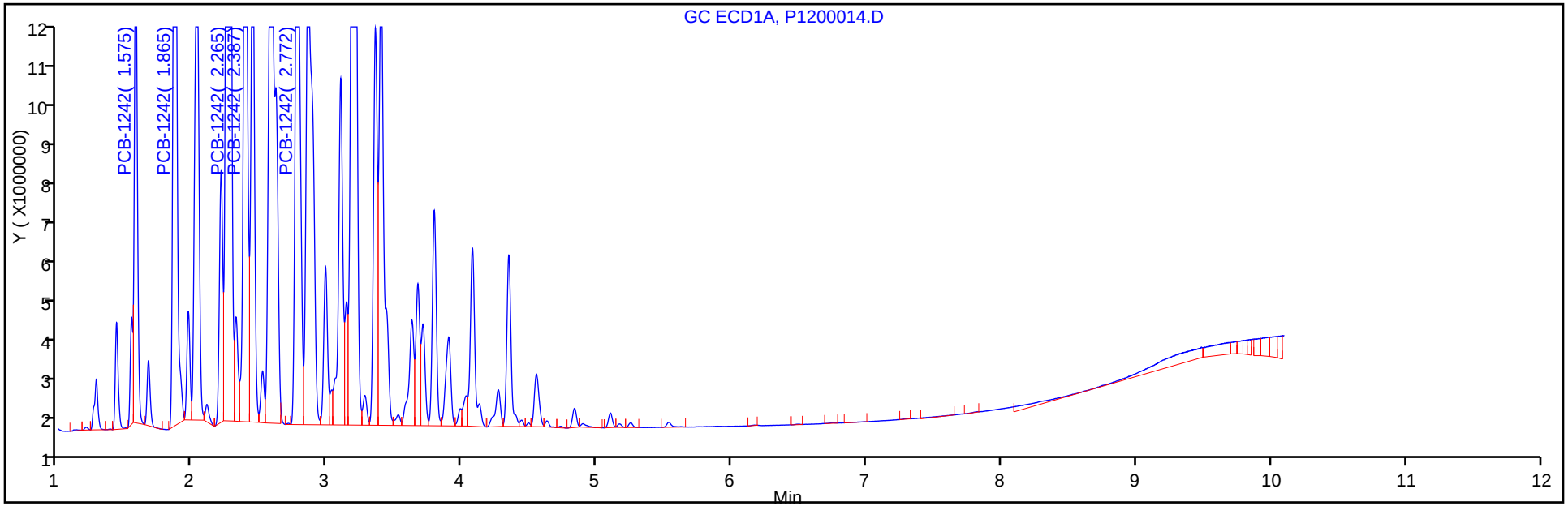
Report Date: 02-Apr-2013 07:01:59 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

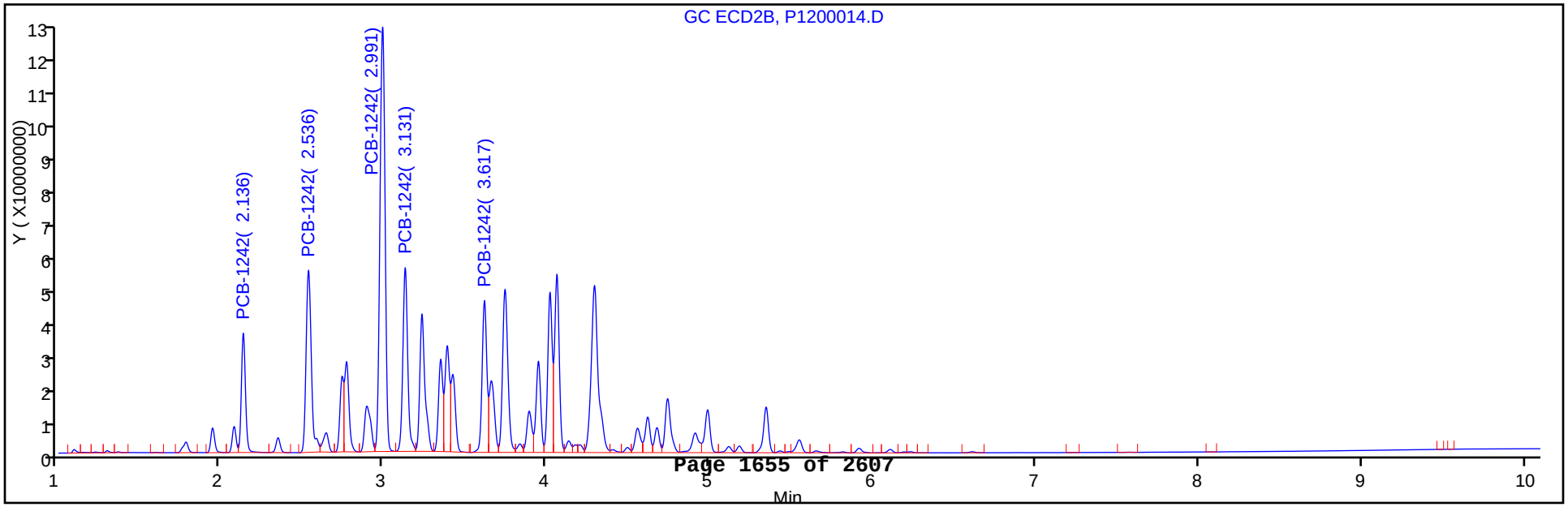
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200014.D

Injection Date:	01-Apr-2013 12:48:08	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.136	2.136	2.137	2.138	2.136	2.136					2.086 - 2.186	2.137
PCB-1242 Peak 2	2.536	2.537	2.536	2.537	2.537	2.536					2.486 - 2.586	2.537
PCB-1242 Peak 3	2.991	2.991	2.992	2.992	2.992	2.991					2.941 - 3.041	2.992
PCB-1242 Peak 4	3.130	3.130	3.130	3.131	3.131	3.131					3.080 - 3.180	3.131
PCB-1242 Peak 5	3.615	3.615	3.617	3.618	3.617	3.617					3.565 - 3.665	3.617

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.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								
PCB-1242 Peak 1	47835800 33160800	43079860 30687147	40181585	33788926	Ave		38122353.0				17.0		20.0			
PCB-1242 Peak 2	84938880 65463911	81769890 60074444	77302375	65824858	Ave		72562393.0				14.0		20.0			
PCB-1242 Peak 3	159530060 143305385	156348630 136189491	152246155	137661944	Ave		147546944				6.7		20.0			
PCB-1242 Peak 4	75699500 60290356	71031190 55493547	66937315	59426994	Ave		64813150.3				12.0		20.0			
PCB-1242 Peak 5	73076680 47957714	66944590 44907525	55673090	48015122	Lin1	1748569.96	44875796.2							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 11:35 Calibration End Date: 04/01/2013 12:48 Calibration ID: 14315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/9	P1200009.D
Level 2	STD01 240-80043/10	P1200010.D
Level 3	STD02 240-80043/11	P1200011.D
Level 4	STD05 240-80043/12	P1200012.D
Level 5	STD1 240-80043/13	P1200013.D
Level 6	STD2 240-80043/14	P1200014.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
PCB-1242 Peak 1	Ave	2391790 61374294	4307986	8036317	16894463	33160800	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	4246944 120148888	8176989	15460475	32912429	65463911	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	7976503 272378981	15634863	30449231	68830972	143305385	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	3784975 110987094	7103119	13387463	29713497	60290356	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Lin1	3653834 89815049	6694459	11134618	24007561	47957714	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 01-Apr-2013 11:35:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-009
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 80043 Lims Sample ID: 9
Sublist: chrom-PCB12*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:52 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	750216	0.0585		100.0	
1	2	1.865	1.865	0.000	1456932	0.0588	163.6- 213.6	194.2	
1	3	2.265	2.265	0.000	2976107	0.0577	347.0- 397.0	396.7	
1	4	2.388	2.388	0.000	1244735	0.0565	141.6- 191.6	165.9	
1	5	2.775	2.775	0.000	1360761	0.0580	150.4- 200.4	181.4	
			Average of Peak Amounts =			0.0579			
2	6	2.136	2.136	0.000	2391790	0.0627		100.0	
2	7	2.536	2.536	0.000	4246944	0.0585	162.4- 222.4	177.6	
2	8	2.991	2.991	0.000	7976503	0.0541	348.9- 408.9	333.5	
2	9	3.130	3.130	0.000	3784975	0.0584	136.6- 196.6	158.2	
2	10	3.615	3.615	0.000	3653834	0.0425	108.6- 168.6	152.8	
			Average of Peak Amounts =			0.0552			
						RPD = 4.67			

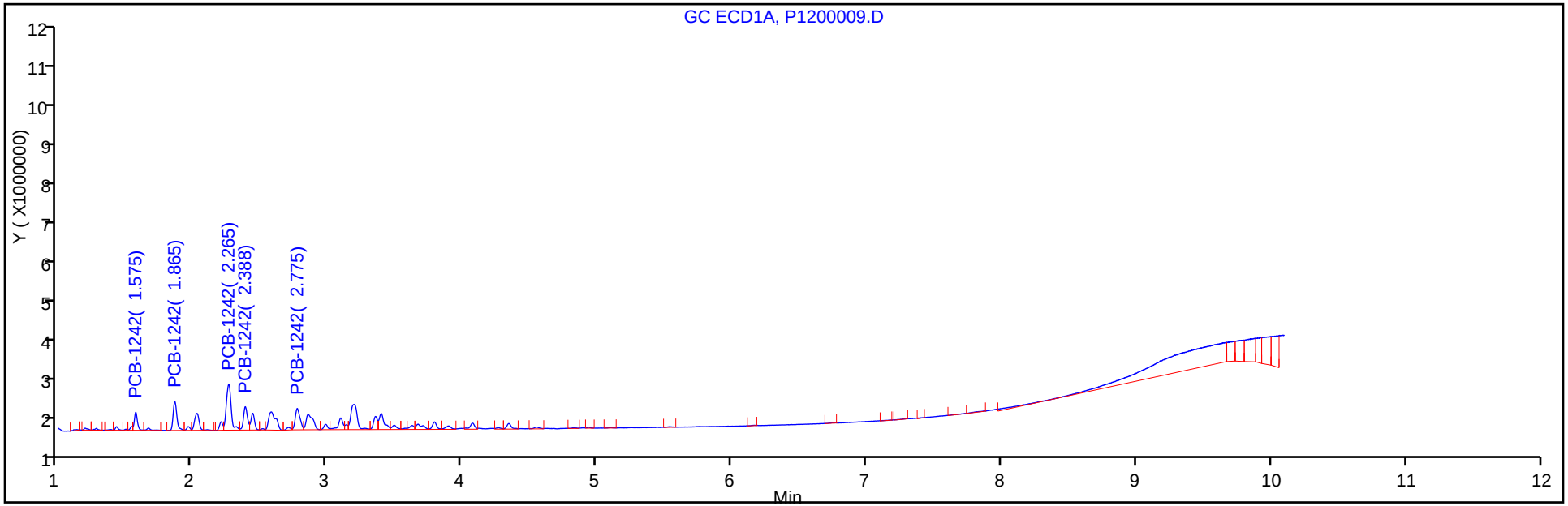
Report Date: 02-Apr-2013 07:01:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

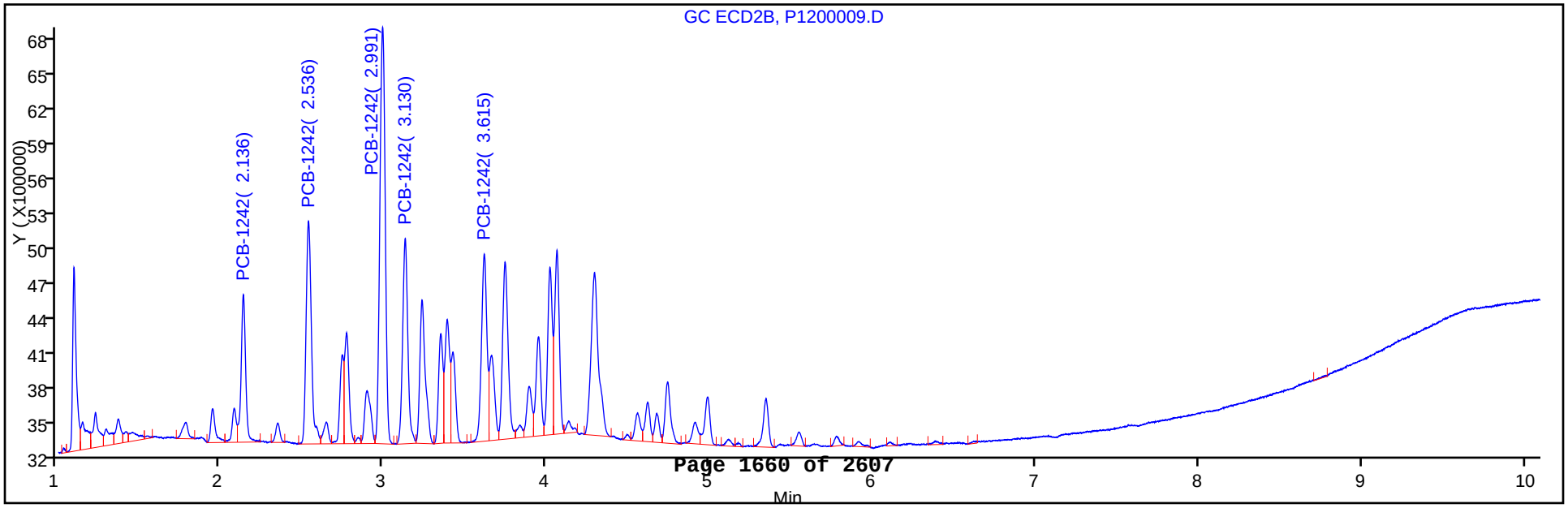
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200009.D

Injection Date:	01-Apr-2013 11:35:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200010.D		
Lims ID:	STD01 1242	Client ID:	
Inject. Date:	01-Apr-2013 11:50:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018420-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	80043	Lims Sample ID:	10
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:40:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.577	1.575	0.002	1446950	0.1128		100.0	
1	2	1.867	1.865	0.002	2792667	0.1127	163.6- 213.6	193.0	
1	3	2.267	2.265	0.002	5891945	0.1142	347.0- 397.0	407.2	
1	4	2.389	2.388	0.001	2481849	0.1126	141.6- 191.6	171.5	
1	5	2.774	2.775	-0.001	2672000	0.1138	150.4- 200.4	184.7	
			Average of Peak Amounts =			0.1132			
2	6	2.136	2.136	0.000	4307986	0.1130		100.0	
2	7	2.537	2.536	0.001	8176989	0.1127	162.4- 222.4	189.8	
2	8	2.991	2.991	0.000	15634863	0.1060	348.9- 408.9	362.9	
2	9	3.130	3.130	0.000	7103119	0.1096	136.6- 196.6	164.9	
2	10	3.615	3.615	0.000	6694459	0.1102	108.6- 168.6	155.4	
			Average of Peak Amounts =			0.1103			
						RPD = 2.62			

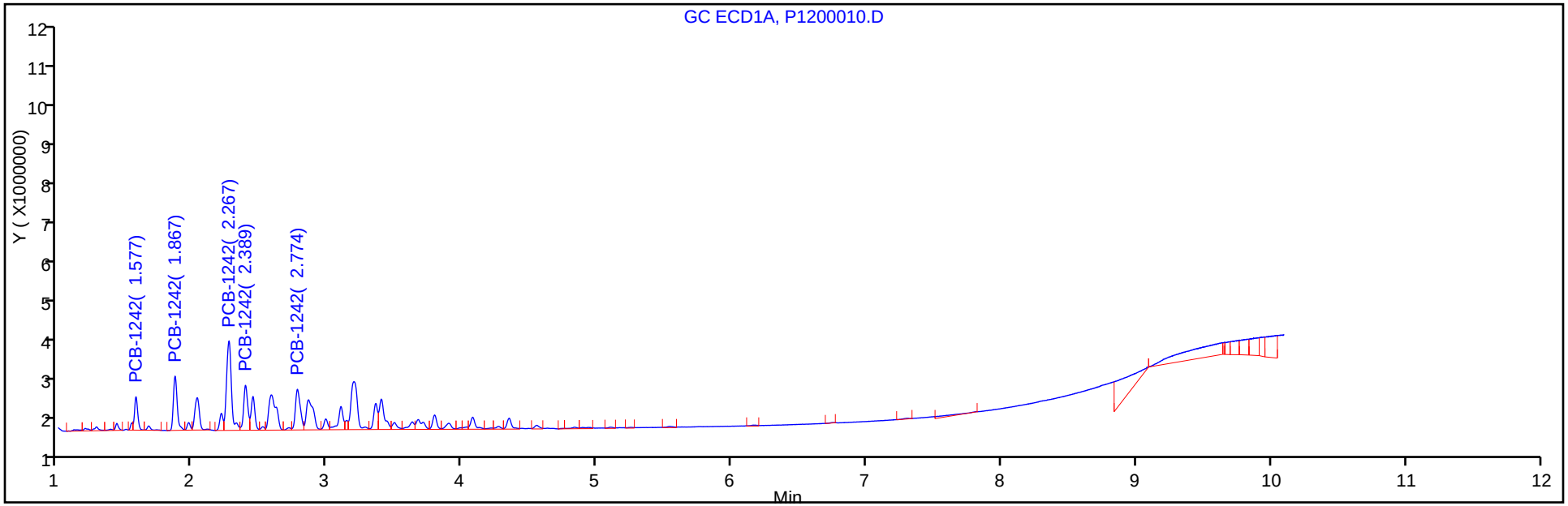
Report Date: 02-Apr-2013 07:01:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

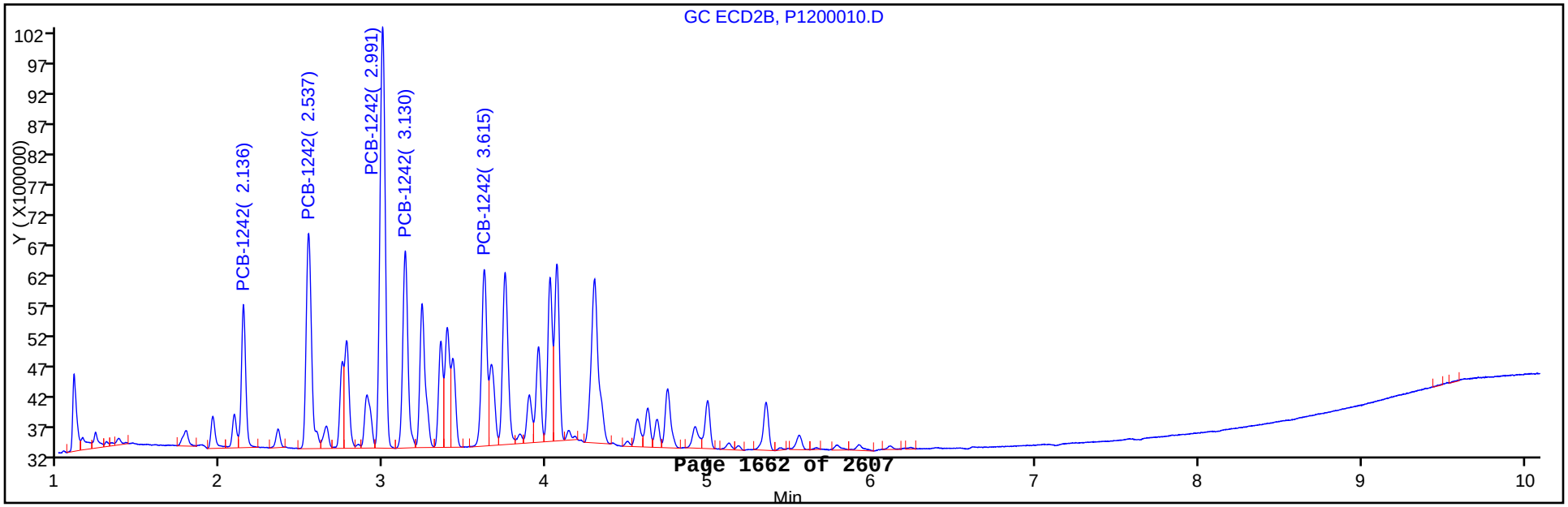
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200010.D

Injection Date:	01-Apr-2013 11:50:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200011.D		
Lims ID:	STD02 1242	Client ID:	
Inject. Date:	01-Apr-2013 12:05:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018420-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	80043	Lims Sample ID:	11
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:54	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:39:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.576	1.575	0.001	2848981	0.2220		100.0	
1	2	1.866	1.865	0.001	5374220	0.2168	163.6- 213.6	188.6	
1	3	2.266	2.265	0.001	10598044	0.2054	347.0- 397.0	372.0	
1	4	2.390	2.388	0.002	4745983	0.2154	141.6- 191.6	166.6	
1	5	2.774	2.775	-0.001	4997637	0.2129	150.4- 200.4	175.4	
			Average of Peak Amounts =			0.2145			
2	6	2.137	2.136	0.001	8036317	0.2108		100.0	
2	7	2.536	2.536	0.000	15460475	0.2131	162.4- 222.4	192.4	
2	8	2.992	2.991	0.001	30449231	0.2064	348.9- 408.9	378.9	
2	9	3.130	3.130	0.000	13387463	0.2066	136.6- 196.6	166.6	
2	10	3.617	3.615	0.002	11134618	0.2092	108.6- 168.6	138.6	
			Average of Peak Amounts =			0.2092			
						RPD = 2.51			

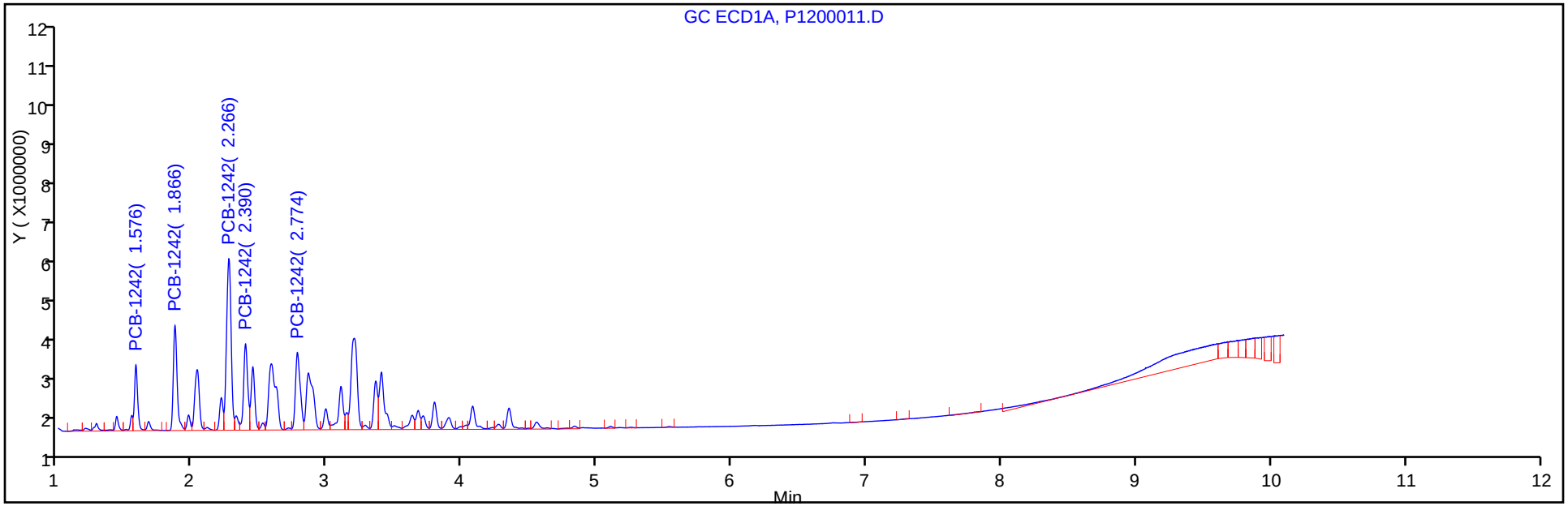
Report Date: 02-Apr-2013 07:01:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

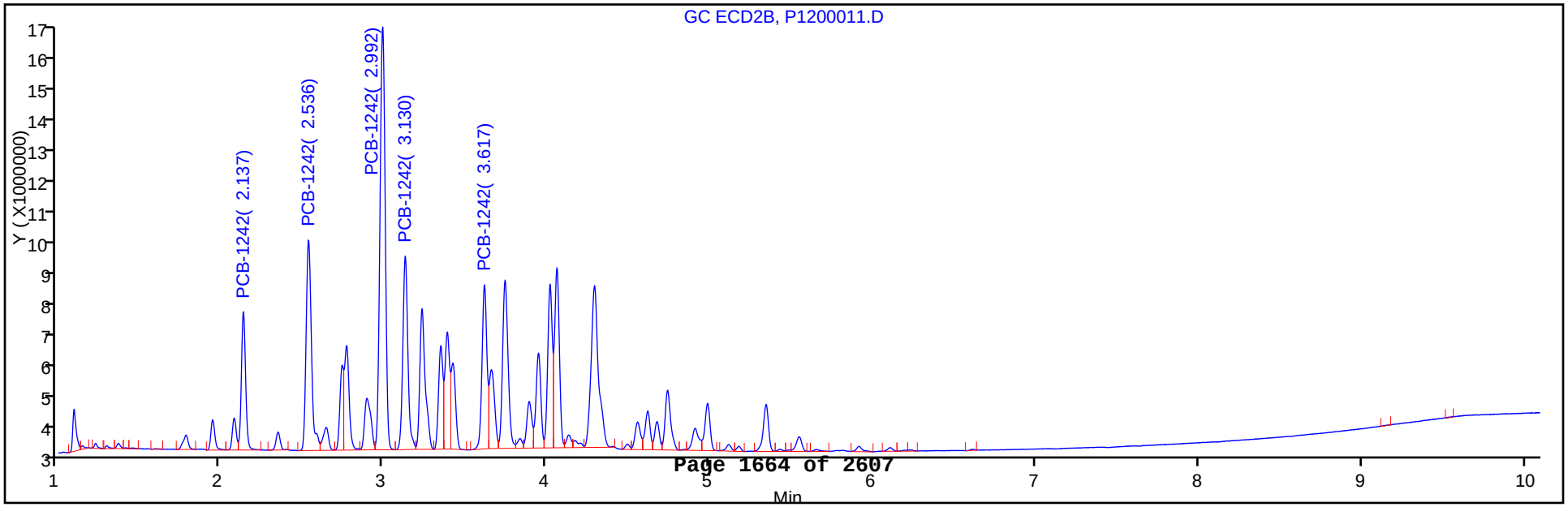
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200011.D

Injection Date:	01-Apr-2013 12:05:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 01-Apr-2013 12:19:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-012
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 80043 Lims Sample ID: 12
Sublist: chrom-PCB12*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:56 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:42:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.577	1.575	0.002	6036096	0.4704		100.0	M
1	2	1.869	1.865	0.004	11358339	0.4583	163.6- 213.6	188.2	
1	3	2.268	2.265	0.003	23084254	0.4475	347.0- 397.0	382.4	
1	4	2.391	2.388	0.003	10181060	0.4621	141.6- 191.6	168.7	
1	5	2.776	2.775	0.001	10752547	0.4580	150.4- 200.4	178.1	
			Average of Peak Amounts =			0.4593			
2	6	2.138	2.136	0.002	16894463	0.4432		100.0	
2	7	2.537	2.536	0.001	32912429	0.4536	162.4- 222.4	194.8	
2	8	2.992	2.991	0.001	68830972	0.4665	348.9- 408.9	407.4	
2	9	3.131	3.130	0.001	29713497	0.4584	136.6- 196.6	175.9	
2	10	3.618	3.615	0.003	24007561	0.4960	108.6- 168.6	142.1	
			Average of Peak Amounts =			0.4635			
						RPD = 0.93			

QC Flag Legend

Review Flags
M - Manually Integrated

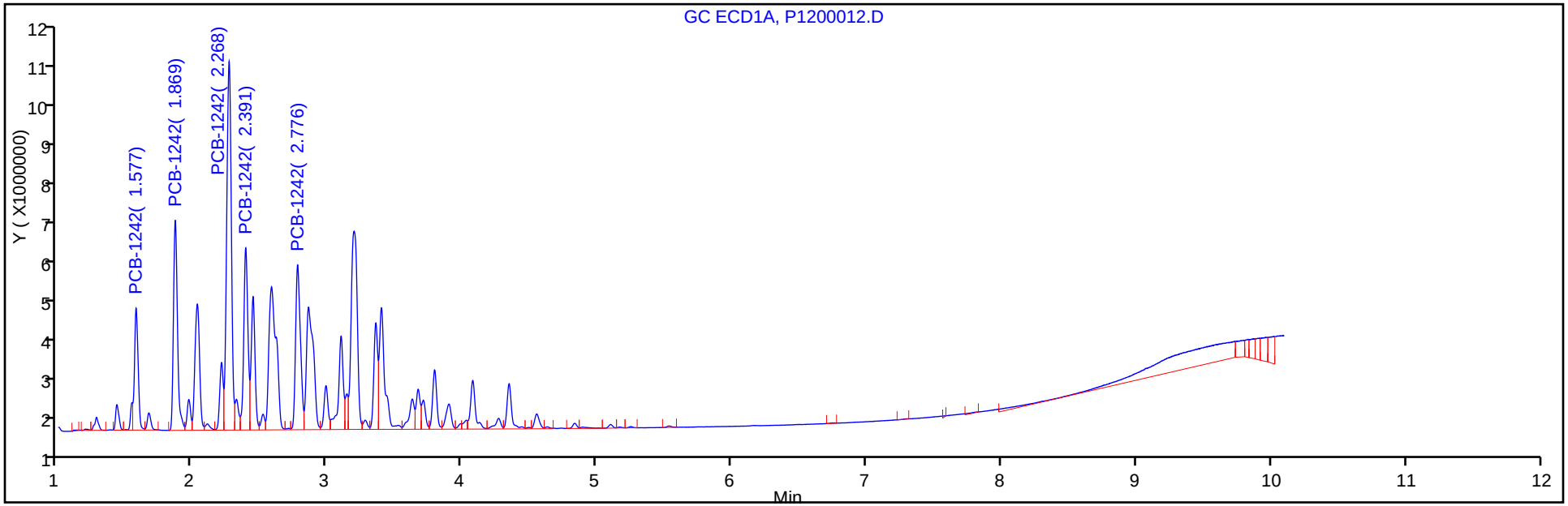
Report Date: 02-Apr-2013 07:01:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

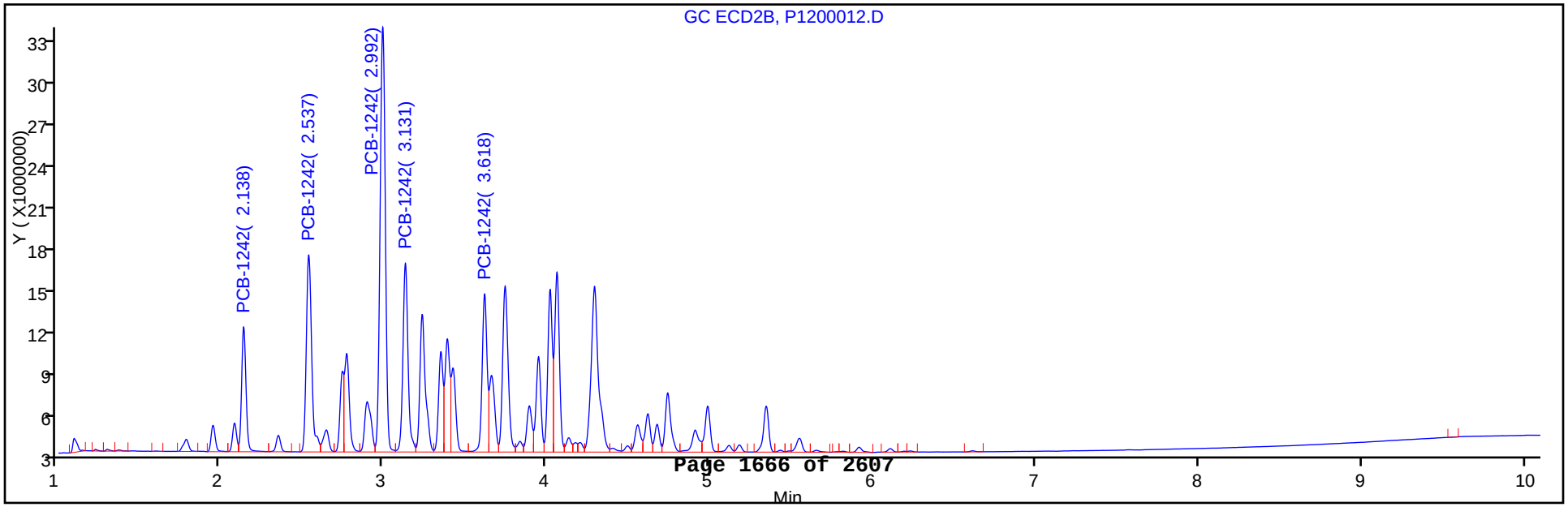
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200012.D

Injection Date:	01-Apr-2013 12:19:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200013.D		
Lims ID:	STD1 1242	Client ID:	
Inject. Date:	01-Apr-2013 12:33:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018420-013		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	80043	Lims Sample ID:	13
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:57	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	11367362	0.8859		100.0	
1	2	1.865	1.865	0.000	22025518	0.8887	163.6- 213.6	193.8	
1	3	2.266	2.265	0.001	48859756	0.9471	347.0- 397.0	429.8	
1	4	2.388	2.388	0.000	19950619	0.9055	141.6- 191.6	175.5	
1	5	2.774	2.775	-0.001	21039397	0.8961	150.4- 200.4	185.1	
			Average of Peak Amounts =			0.9047			
2	6	2.136	2.136	0.000	33160800	0.8699		100.0	
2	7	2.537	2.536	0.001	65463911	0.9022	162.4- 222.4	197.4	
2	8	2.992	2.991	0.001	143305385	0.9713	348.9- 408.9	432.2	
2	9	3.131	3.130	0.001	60290356	0.9302	136.6- 196.6	181.8	
2	10	3.617	3.615	0.002	47957714	1.03	108.6- 168.6	144.6	
			Average of Peak Amounts =			0.9406			
						RPD = 3.90			

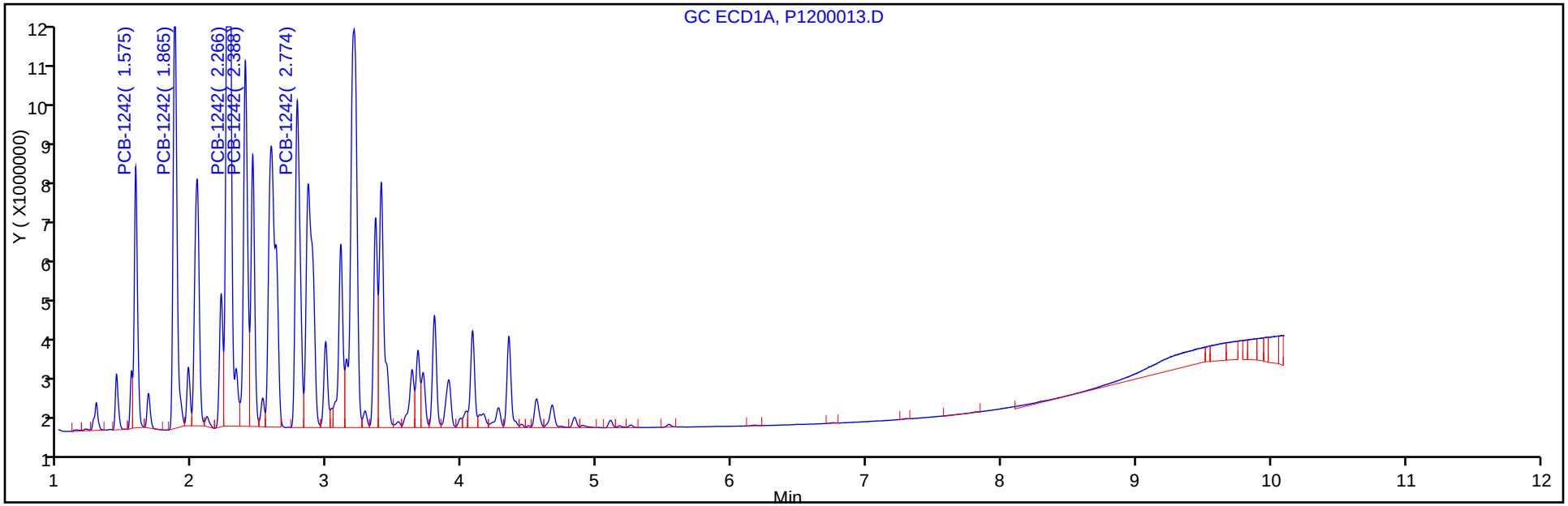
Report Date: 02-Apr-2013 07:01:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

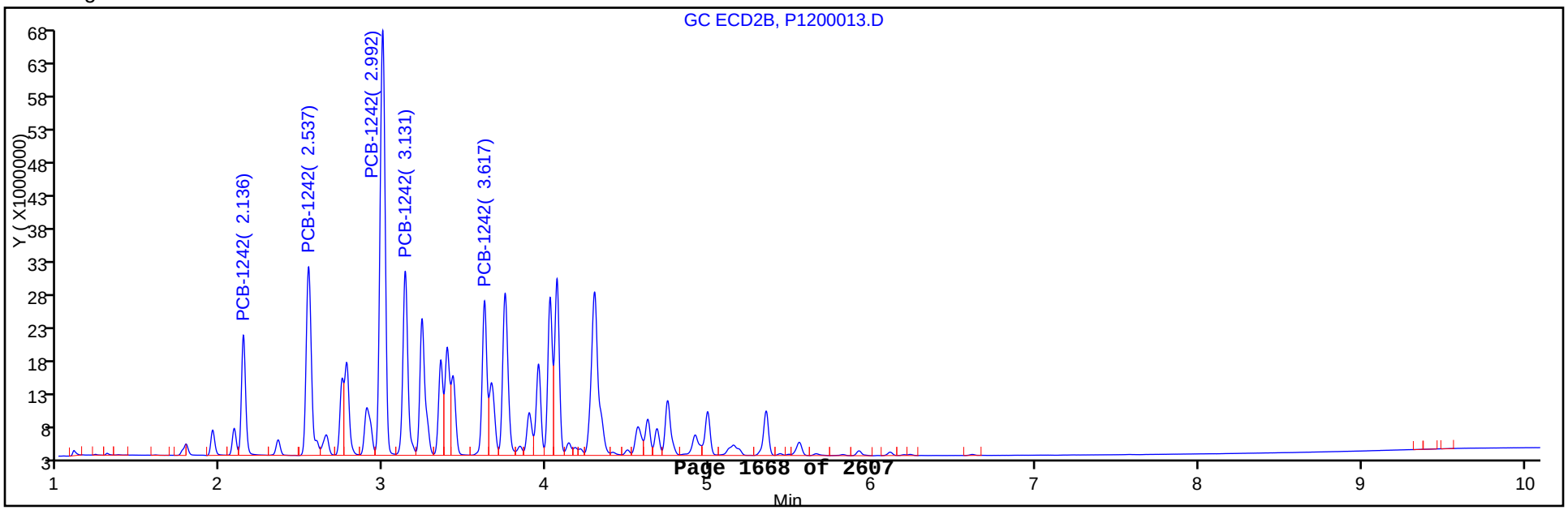
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200013.D

Injection Date:	01-Apr-2013 12:33:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200014.D		
Lims ID:	STD2 1242	Client ID:	
Inject. Date:	01-Apr-2013 12:48:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0018420-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	80043	Lims Sample ID:	14
Sublist:	chrom-PCB12*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:58	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:44:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.575	1.575	0.000	19659955	1.53		100.0	
1	2	1.865	1.865	0.000	40047761	1.62	163.6- 213.6	203.7	
1	3	2.265	2.265	0.000	86122350	1.67	347.0- 397.0	438.1	
1	4	2.387	2.388	-0.001	36887638	1.67	141.6- 191.6	187.6	
1	5	2.772	2.775	-0.003	38799393	1.65	150.4- 200.4	197.4	
			Average of Peak Amounts =			1.63			
2	6	2.136	2.136	0.000	61374294	1.61		100.0	
2	7	2.536	2.536	0.000	120148888	1.66	162.4- 222.4	195.8	
2	8	2.991	2.991	0.000	272378981	1.85	348.9- 408.9	443.8	
2	9	3.131	3.130	0.001	110987094	1.71	136.6- 196.6	180.8	
2	10	3.617	3.615	0.002	89815049	1.96	108.6- 168.6	146.3	
			Average of Peak Amounts =			1.76			
						RPD = 7.59			

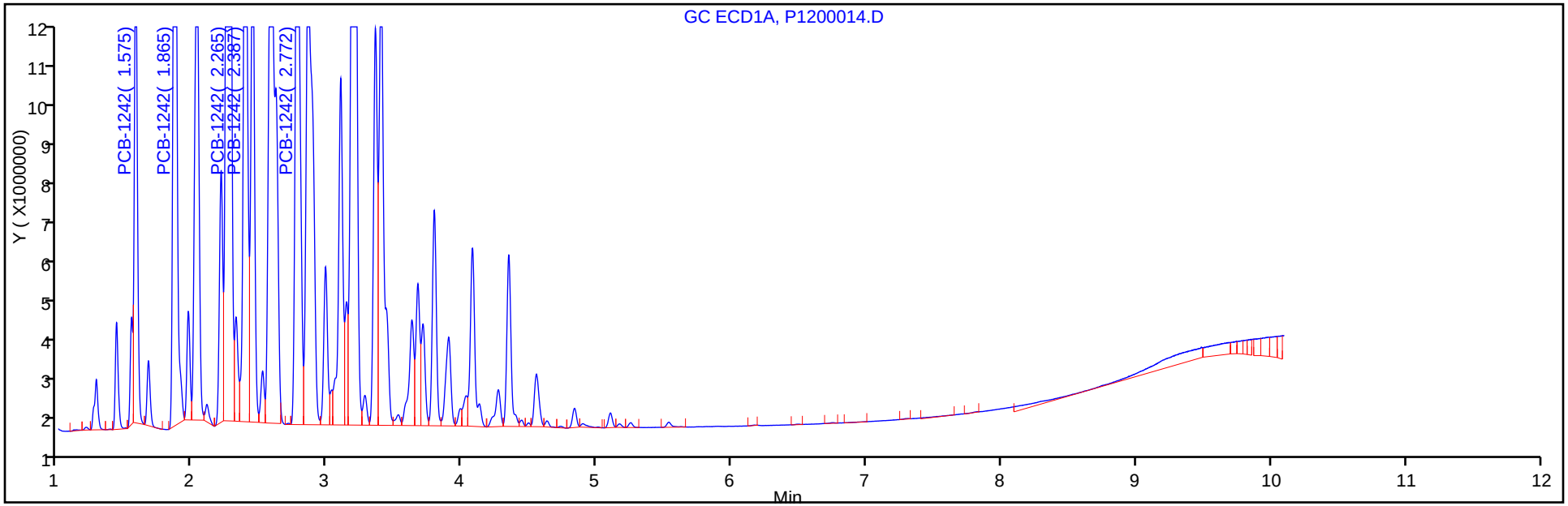
Report Date: 02-Apr-2013 07:01:59 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

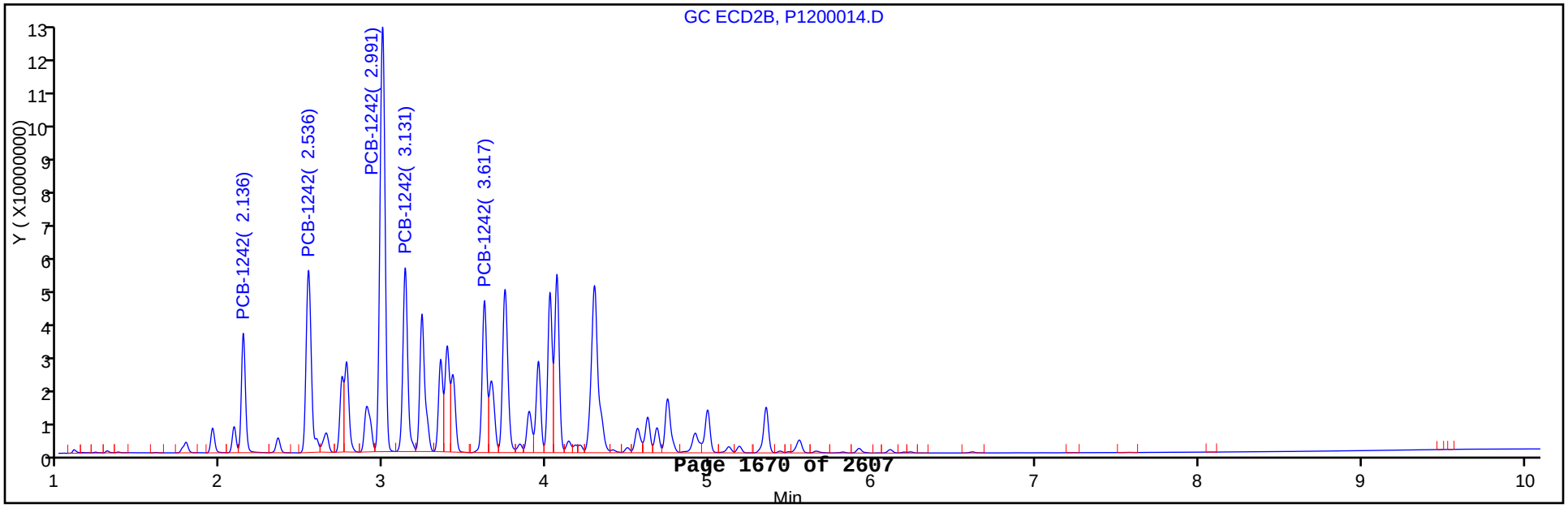
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200014.D

Injection Date:	01-Apr-2013 12:48:08	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	1.863	1.864	1.867	1.864	1.864	1.865					1.813 - 1.913	1.865
PCB-1248 Peak 2	2.264	2.263	2.265	2.264	2.264	2.265					2.214 - 2.314	2.264
PCB-1248 Peak 3	2.773	2.772	2.776	2.773	2.774	2.774					2.723 - 2.823	2.774
PCB-1248 Peak 4	3.356	3.356	3.358	3.356	3.356	3.357					3.306 - 3.406	3.357
PCB-1248 Peak 5	3.792	3.791	3.794	3.792	3.791	3.792					3.742 - 3.842	3.792

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.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								
PCB-1248 Peak 1	15150500 11147511	13844290 9504003	12726270	11927482	Ave		12383342.7				16.0		20.0			
PCB-1248 Peak 2	38786780 29758632	35730810 25731069	33304535	31221118	Ave		32422157.3				14.0		20.0			
PCB-1248 Peak 3	45141020 32972663	40325130 28898977	37566930	34983122	Ave		36647973.7				16.0		20.0			
PCB-1248 Peak 4	25876320 18823703	23024280 16764633	21716195	19822956	Ave		21004681.2				15.0		20.0			
PCB-1248 Peak 5	22729860 17104493	20642060 15597672	19422735	18208376	Ave		18950866.0				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.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
PCB-1248 Peak 1	Ave	757525 19008006	1384429	2545254	5963741	11147511	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	1939339 51462138	3573081	6660907	15610559	29758632	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	2257051 57797954	4032513	7513386	17491561	32972663	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	1293816 33529266	2302428	4343239	9911478	18823703	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1136493 31195344	2064206	3884547	9104188	17104493	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200015.D
Lims ID: STD005 1248 Client ID:
Inject. Date: 01-Apr-2013 13:02:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-015
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 80043 Lims Sample ID: 15
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:59 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:45:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.863	1.863	0.000	757525	0.0612		100.0	
1	2	2.264	2.264	0.000	1939339	0.0598	236.7- 286.7	256.0	
1	3	2.773	2.773	0.000	2257051	0.0616	270.2- 320.2	298.0	
1	4	3.356	3.356	0.000	1293816	0.0616	145.6- 195.6	170.8	
1	5	3.792	3.792	0.000	1136493	0.0600	127.6- 177.6	150.0	
			Average of Peak Amounts =			0.0608			
2	6	2.535	2.535	0.000	2238364	0.0630		100.0	
2	7	2.989	2.989	0.000	5550580	0.0585	235.6- 295.6	248.0	
2	8	3.617	3.617	0.000	5481888	0.0630	215.6- 275.6	244.9	
2	9	4.062	4.062	0.000	6110880	0.0586	261.1- 321.1	273.0	
2	10	4.740	4.740	0.000	3391316	0.0596	131.8- 191.8	151.5	
			Average of Peak Amounts =			0.0606			
						RPD = 0.43			

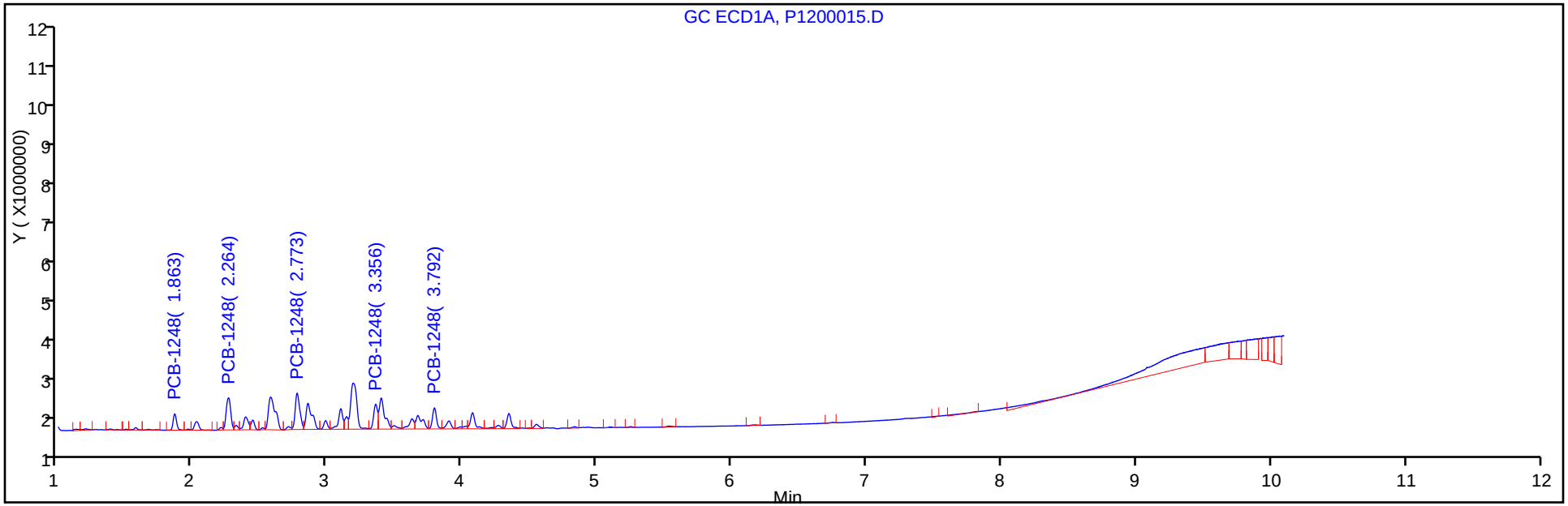
Report Date: 02-Apr-2013 07:02:00 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

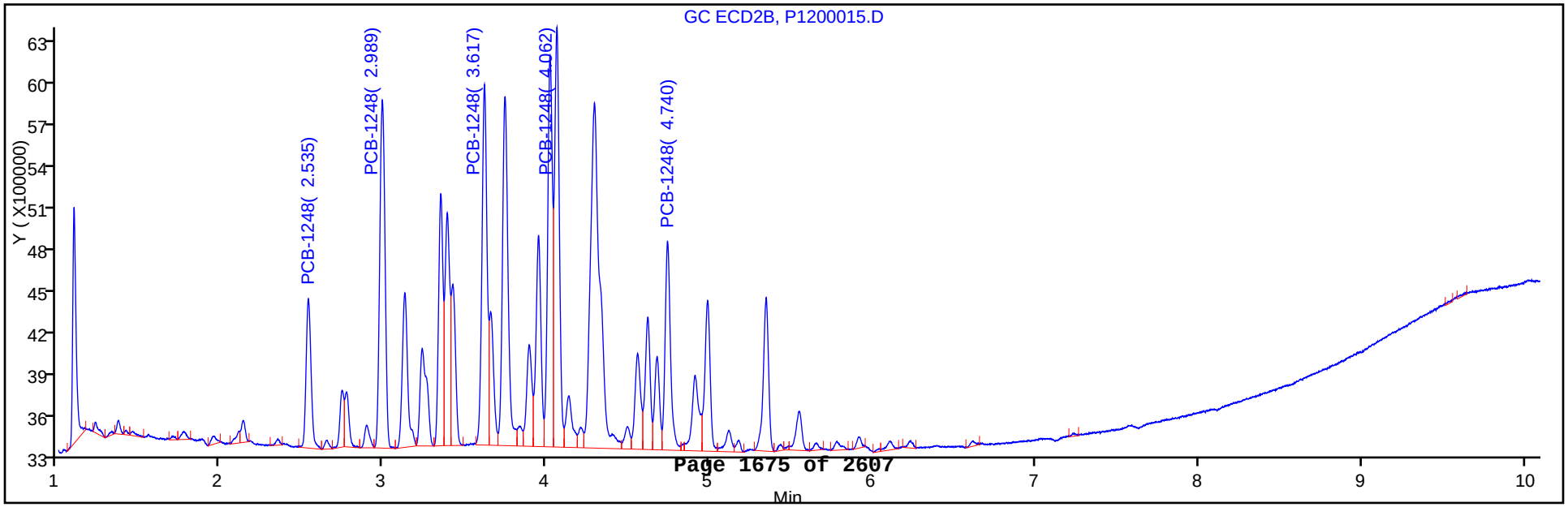
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200015.D

Injection Date:	01-Apr-2013 13:02:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200016.D
Lims ID: STD01 1248 Client ID:
Inject. Date: 01-Apr-2013 13:16:31 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-016
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 80043 Lims Sample ID: 16
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:02:01 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:46:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	1384429	0.1118		100.0	
1	2	2.263	2.264	-0.001	3573081	0.1102	236.7- 286.7	258.1	
1	3	2.772	2.773	-0.001	4032513	0.1100	270.2- 320.2	291.3	
1	4	3.356	3.356	0.000	2302428	0.1096	145.6- 195.6	166.3	
1	5	3.791	3.792	-0.001	2064206	0.1089	127.6- 177.6	149.1	
			Average of Peak Amounts =			0.1101			
2	6	2.535	2.535	0.000	3956116	0.1114		100.0	
2	7	2.989	2.989	0.000	10131151	0.1068	235.6- 295.6	256.1	
2	8	3.616	3.617	-0.001	9538458	0.1096	215.6- 275.6	241.1	
2	9	4.061	4.062	-0.001	11231207	0.1078	261.1- 321.1	283.9	
2	10	4.741	4.740	0.001	6209071	0.1092	131.8- 191.8	156.9	
			Average of Peak Amounts =			0.1090			
						RPD = 1.05			

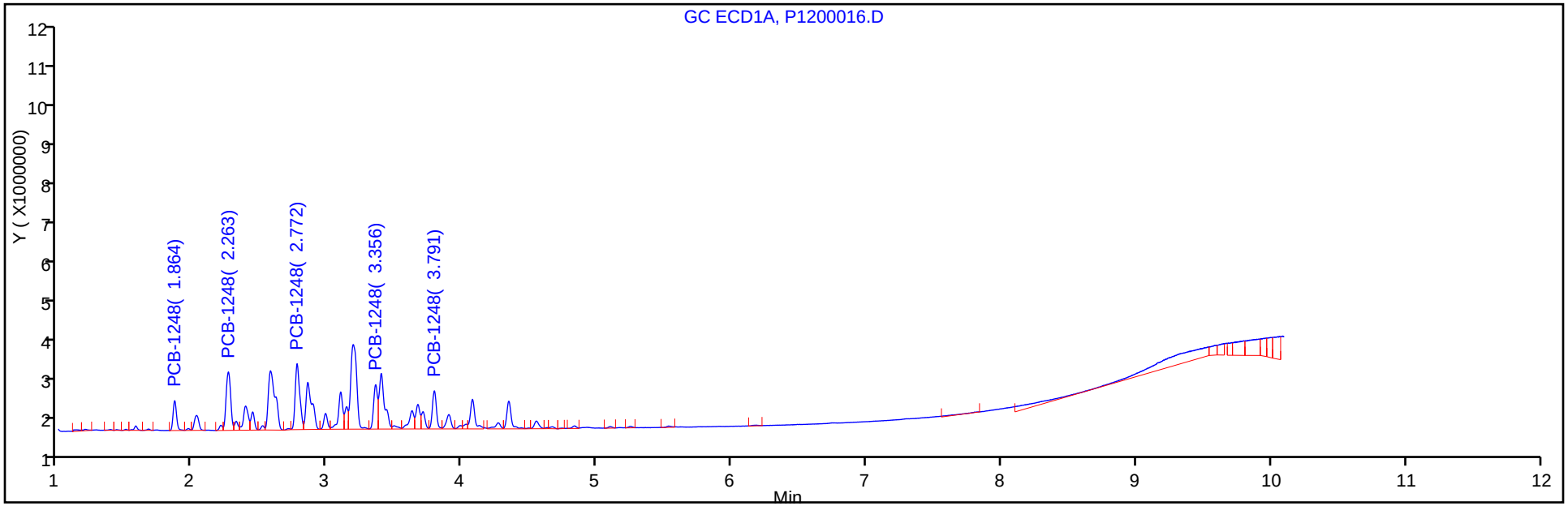
Report Date: 02-Apr-2013 07:02:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

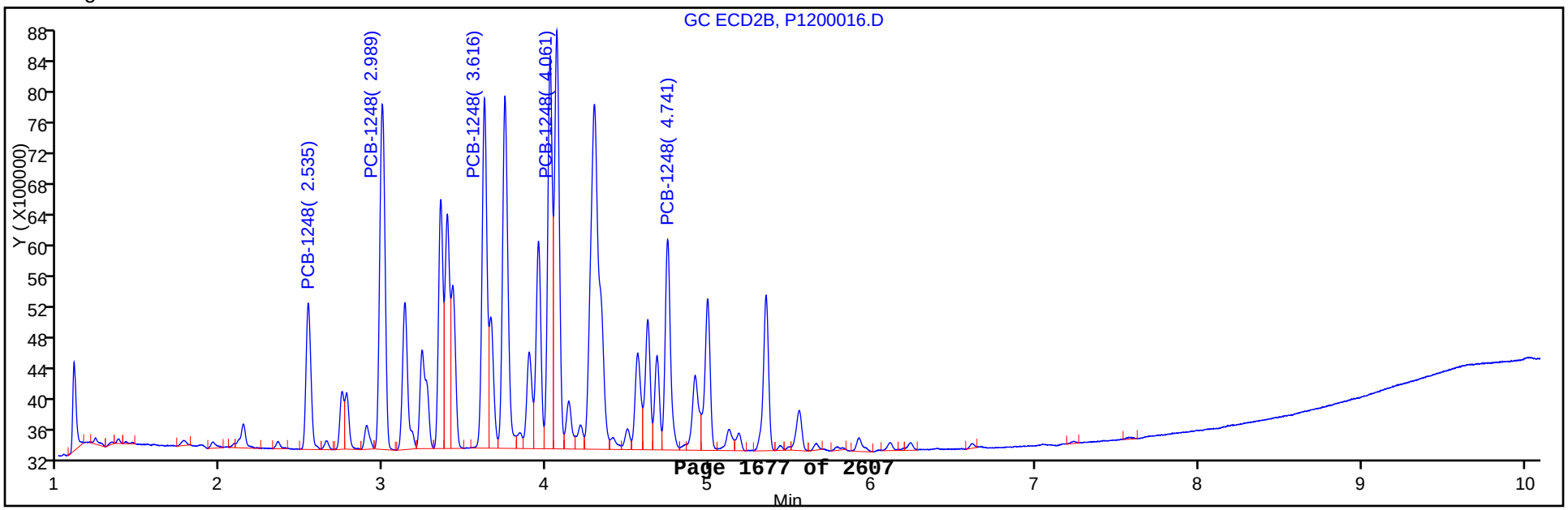
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200016.D

Injection Date:	01-Apr-2013 13:16:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200017.D		
Lims ID:	STD02 1248	Client ID:	
Inject. Date:	01-Apr-2013 13:31:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018420-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	80043	Lims Sample ID:	17
Sublist:	chrom-PCB12*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:00:45	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.867	1.863	0.004	2545254	0.2055		100.0	
1	2	2.265	2.264	0.001	6660907	0.2054	236.7- 286.7	261.7	
1	3	2.776	2.773	0.003	7513386	0.2050	270.2- 320.2	295.2	
1	4	3.358	3.356	0.002	4343239	0.2068	145.6- 195.6	170.6	
1	5	3.794	3.792	0.002	3884547	0.2050	127.6- 177.6	152.6	
			Average of Peak Amounts =			0.2056			
2	6	2.536	2.535	0.001	7269883	0.2048		100.0	
2	7	2.991	2.989	0.002	19309895	0.2036	235.6- 295.6	265.6	
2	8	3.618	3.617	0.001	17856240	0.2051	215.6- 275.6	245.6	
2	9	4.061	4.062	-0.001	21159566	0.2030	261.1- 321.1	291.1	
2	10	4.741	4.740	0.001	11764899	0.2069	131.8- 191.8	161.8	
			Average of Peak Amounts =			0.2047			
						RPD = 0.42			

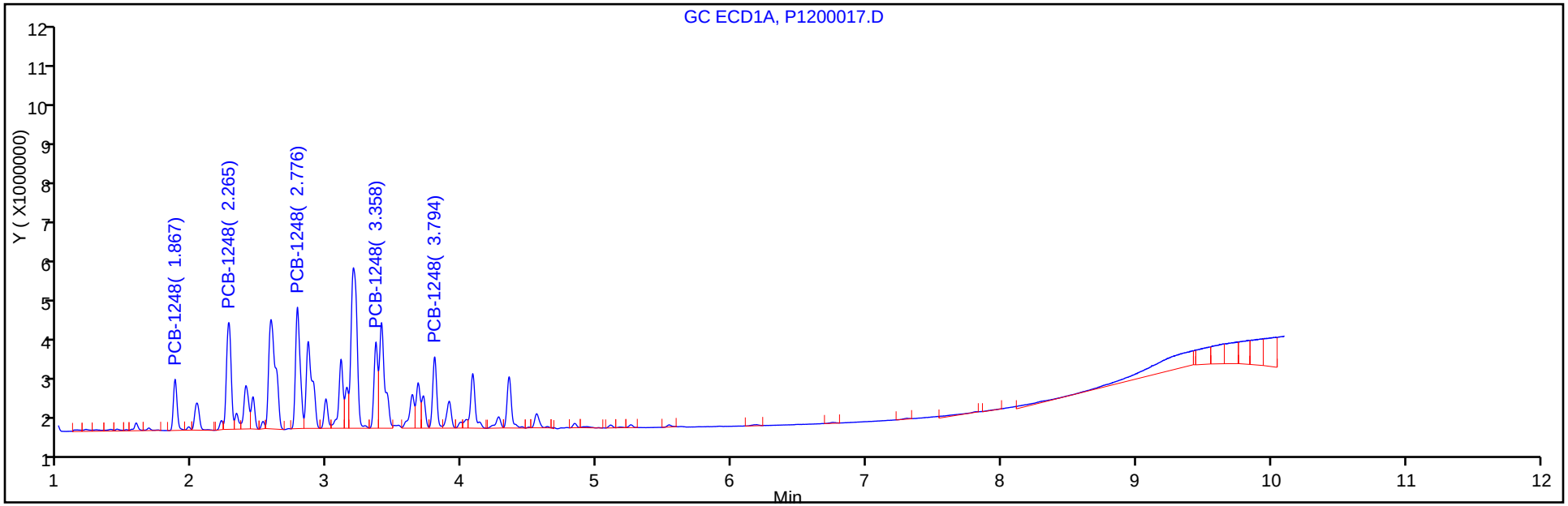
Report Date: 02-Apr-2013 07:00:46 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

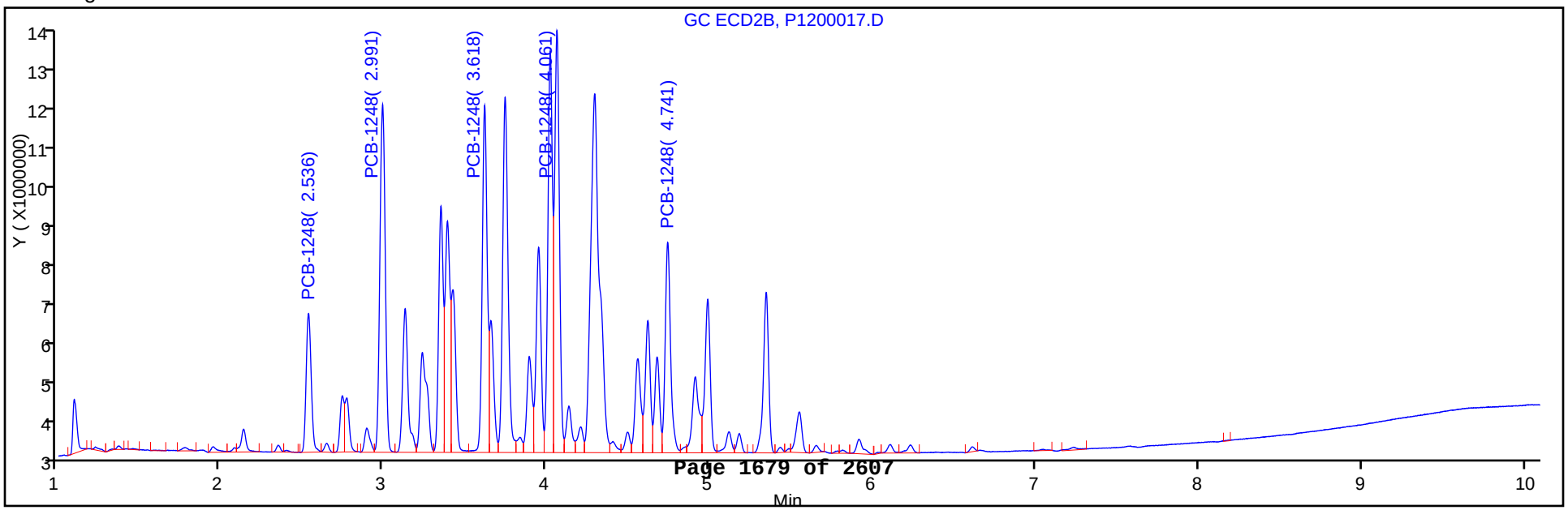
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200017.D

Injection Date:	01-Apr-2013 13:31:06	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 01-Apr-2013 13:45:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-018
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 80043 Lims Sample ID: 18
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:46 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	5963741	0.4816		100.0	
1	2	2.264	2.264	0.000	15610559	0.4815	236.7- 286.7	261.8	
1	3	2.773	2.773	0.000	17491561	0.4773	270.2- 320.2	293.3	
1	4	3.356	3.356	0.000	9911478	0.4719	145.6- 195.6	166.2	
1	5	3.792	3.792	0.000	9104188	0.4804	127.6- 177.6	152.7	
			Average of Peak Amounts =			0.4785			
2	6	2.535	2.535	0.000	16874663	0.4753		100.0	
2	7	2.990	2.989	0.001	45475138	0.4796	235.6- 295.6	269.5	
2	8	3.617	3.617	0.000	40394810	0.4641	215.6- 275.6	239.4	
2	9	4.061	4.062	-0.001	48886360	0.4690	261.1- 321.1	289.7	
2	10	4.741	4.740	0.001	26534192	0.4666	131.8- 191.8	157.2	
			Average of Peak Amounts =			0.4709			
						RPD = 1.60			

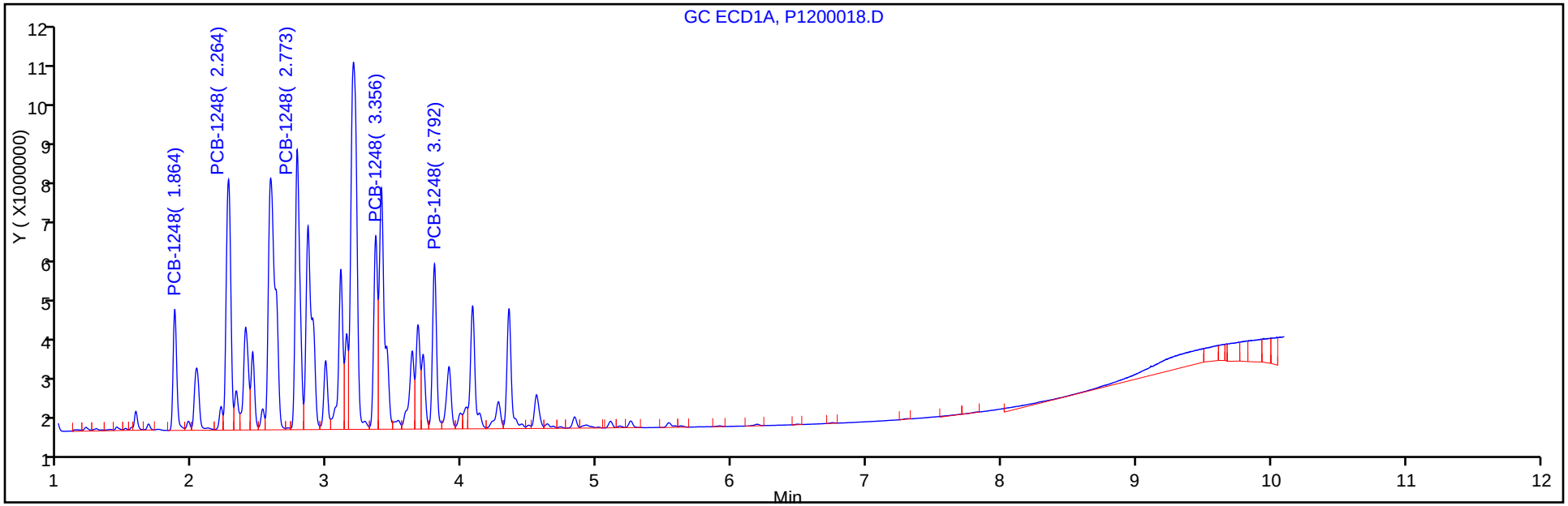
Report Date: 02-Apr-2013 07:00:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

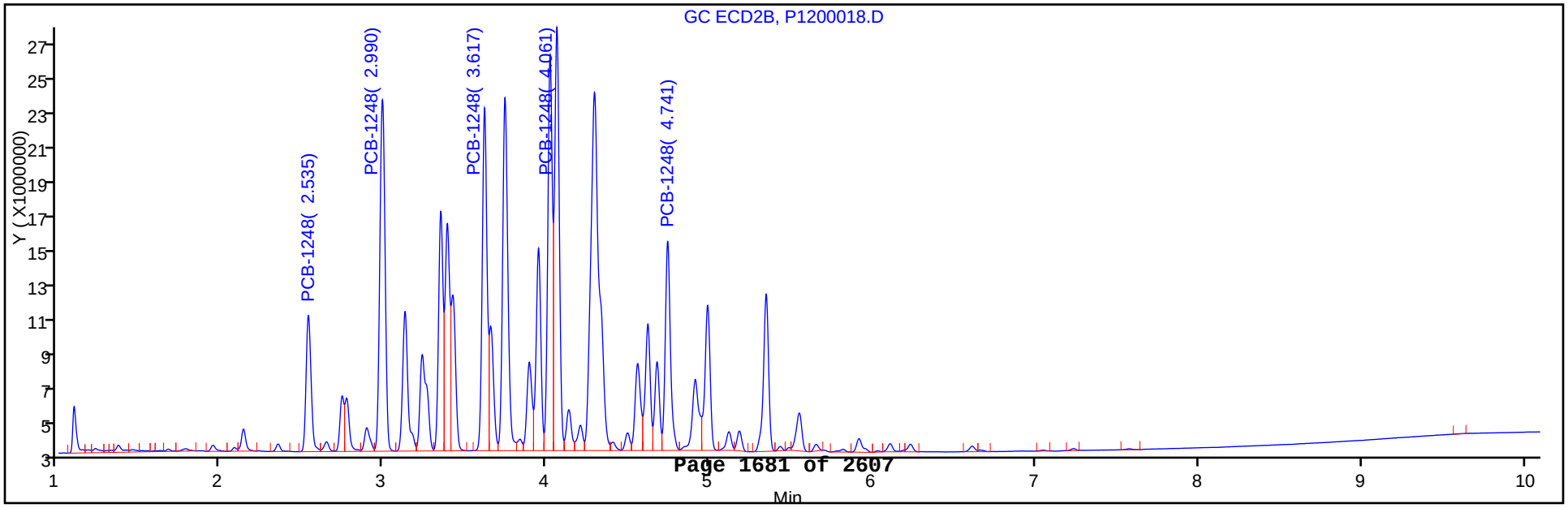
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200018.D

Injection Date:	01-Apr-2013 13:45:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 01-Apr-2013 13:59:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-019
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 80043 Lims Sample ID: 19
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:48 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	11147511	0.9002		100.0	
1	2	2.264	2.264	0.000	29758632	0.9178	236.7- 286.7	267.0	
1	3	2.774	2.773	0.001	32972663	0.8997	270.2- 320.2	295.8	
1	4	3.356	3.356	0.000	18823703	0.8962	145.6- 195.6	168.9	
1	5	3.791	3.792	-0.001	17104493	0.9026	127.6- 177.6	153.4	
			Average of Peak Amounts =			0.9033			
2	6	2.536	2.535	0.001	31589085	0.8898		100.0	
2	7	2.991	2.989	0.002	89776129	0.9468	235.6- 295.6	284.2	
2	8	3.618	3.617	0.001	78048621	0.8967	215.6- 275.6	247.1	
2	9	4.061	4.062	-0.001	98585446	0.9458	261.1- 321.1	312.1	
2	10	4.741	4.740	0.001	51999203	0.9145	131.8- 191.8	164.6	
			Average of Peak Amounts =			0.9187			
						RPD = 1.69			

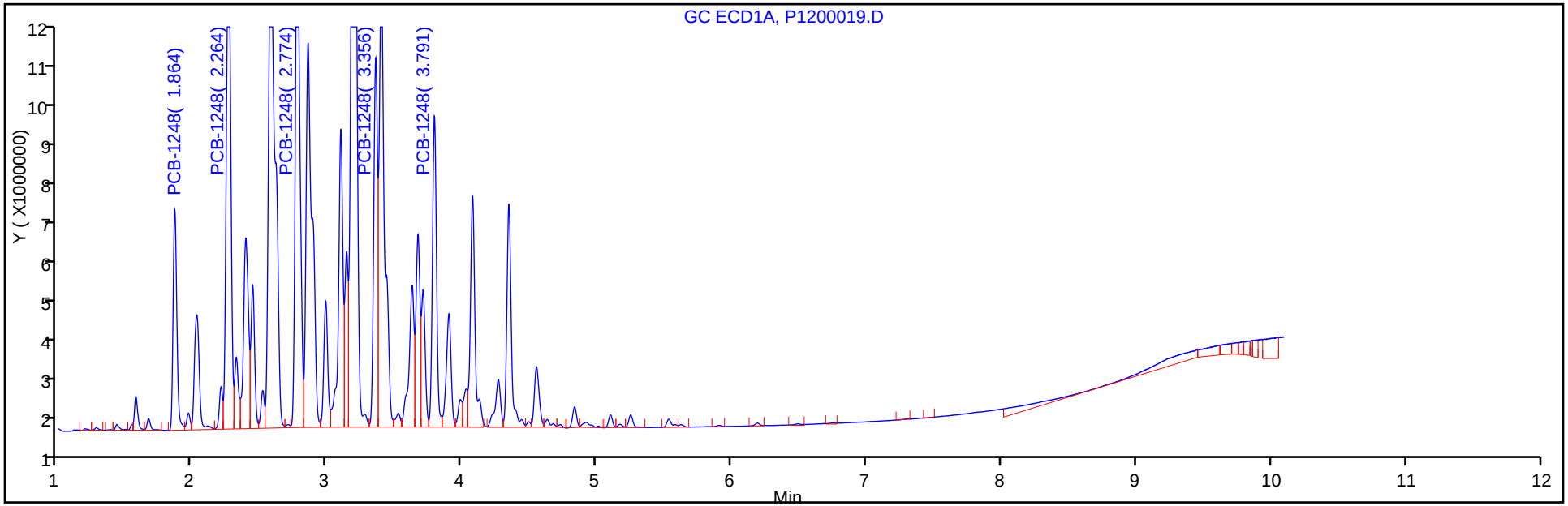
Report Date: 02-Apr-2013 07:00:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

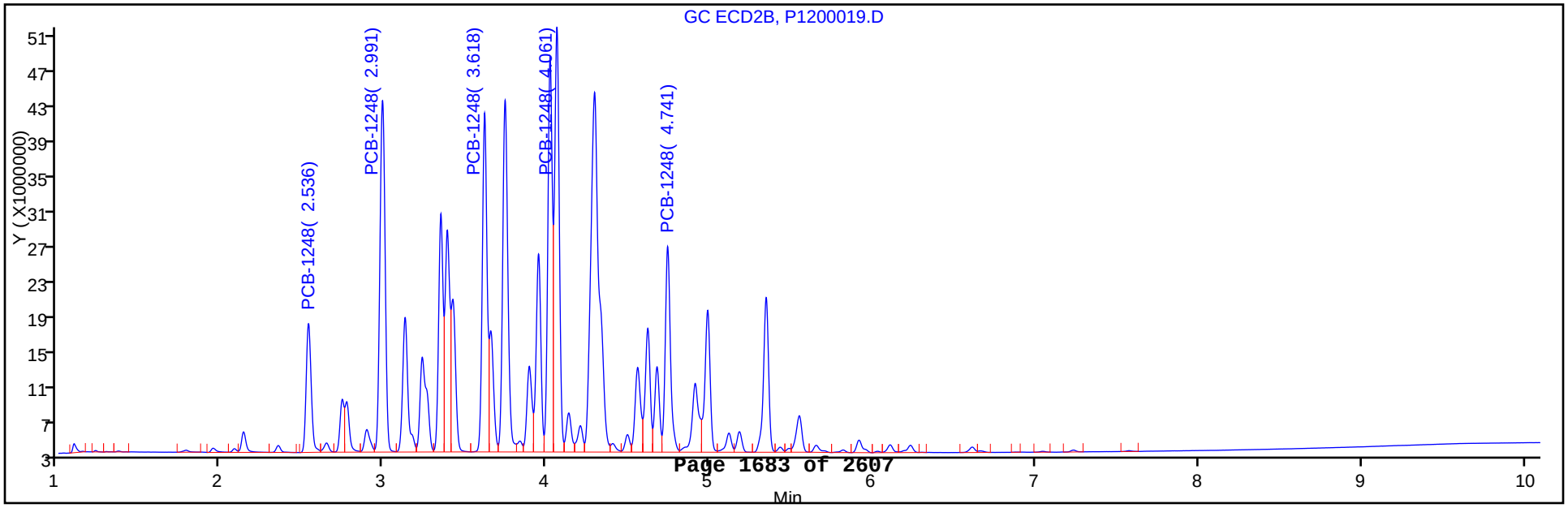
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200019.D

Injection Date:	01-Apr-2013 13:59:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200020.D		
Lims ID:	STD2 1248	Client ID:	
Inject. Date:	01-Apr-2013 14:13:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0018420-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	80043	Lims Sample ID:	20
Sublist:	chrom-PCB12*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:00:49	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.865	1.863	0.002	19008006	1.53		100.0	
1	2	2.265	2.264	0.001	51462138	1.59	236.7- 286.7	270.7	
1	3	2.774	2.773	0.001	57797954	1.58	270.2- 320.2	304.1	
1	4	3.357	3.356	0.001	33529266	1.60	145.6- 195.6	176.4	
1	5	3.792	3.792	0.000	31195344	1.65	127.6- 177.6	164.1	
			Average of Peak Amounts =			1.59			
2	6	2.536	2.535	0.001	53990684	1.52		100.0	
2	7	2.991	2.989	0.002	158697336	1.67	235.6- 295.6	293.9	
2	8	3.618	3.617	0.001	138220284	1.59	215.6- 275.6	256.0	
2	9	4.062	4.062	0.000	177413921	1.70	261.1- 321.1	328.6	
2	10	4.741	4.740	0.001	94729733	1.67	131.8- 191.8	175.5	
			Average of Peak Amounts =			1.63			
						RPD = 2.59			

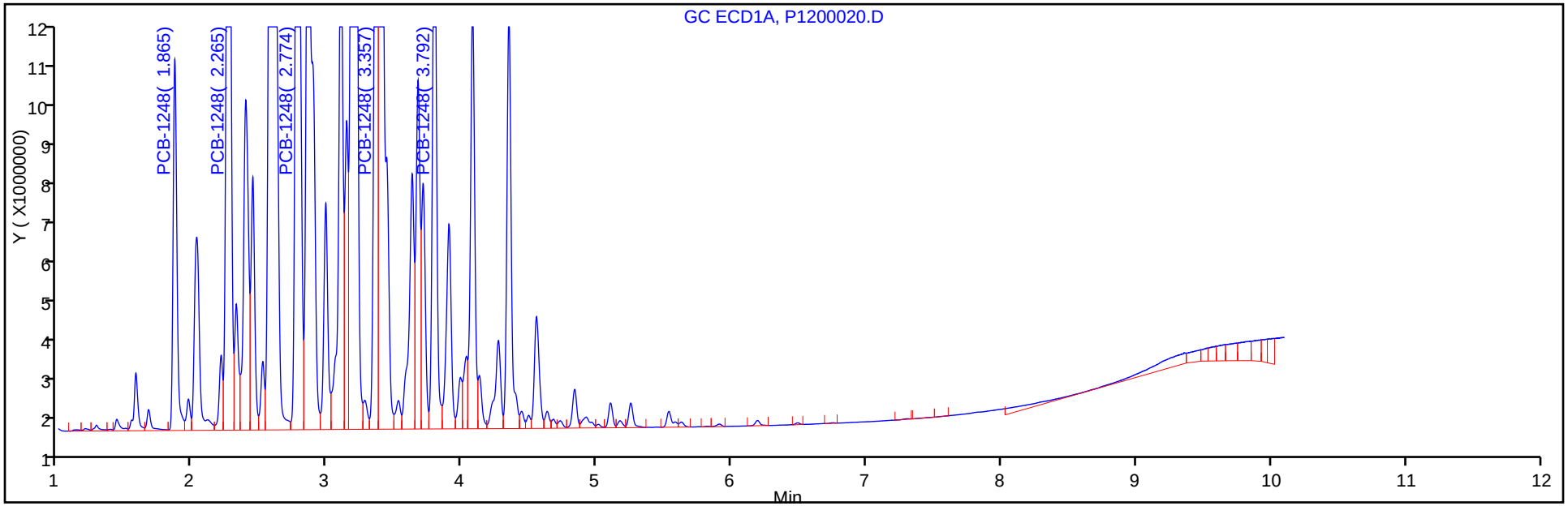
Report Date: 02-Apr-2013 07:00:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

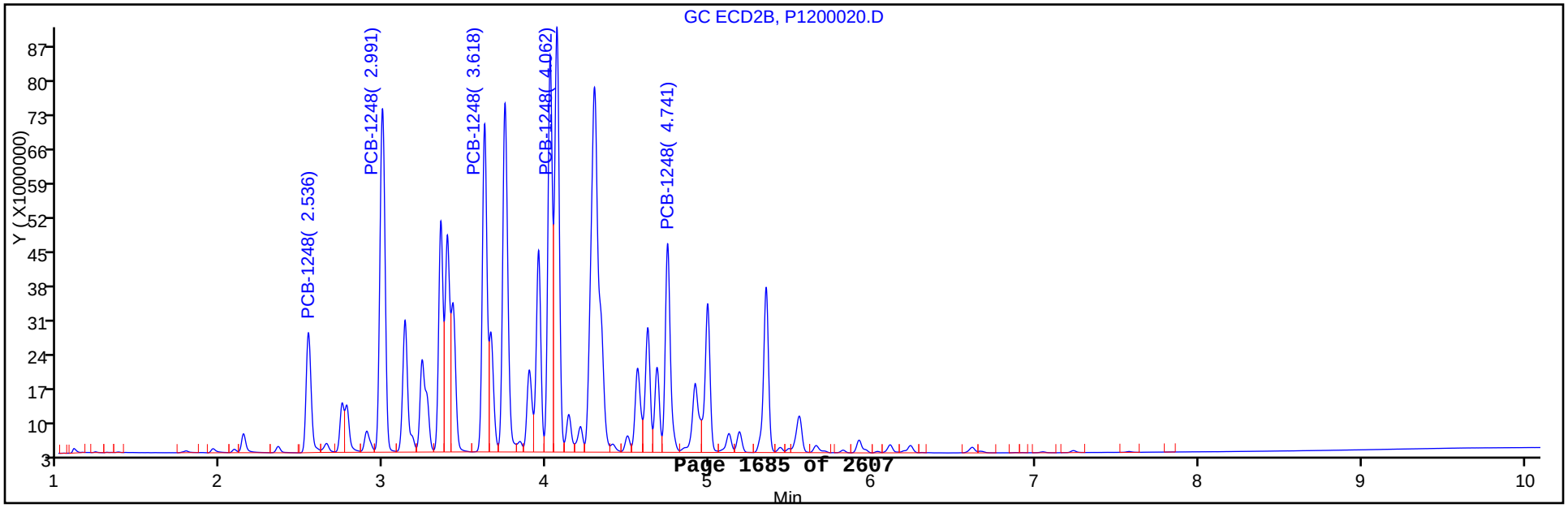
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200020.D

Injection Date:	01-Apr-2013 14:13:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.535	2.535	2.536	2.535	2.536	2.536					2.485 - 2.585	2.536
PCB-1248 Peak 2	2.989	2.989	2.991	2.990	2.991	2.991					2.939 - 3.039	2.990
PCB-1248 Peak 3	3.617	3.616	3.618	3.617	3.618	3.618					3.567 - 3.667	3.617
PCB-1248 Peak 4	4.062	4.061	4.061	4.061	4.061	4.062					4.012 - 4.112	4.061
PCB-1248 Peak 5	4.740	4.741	4.741	4.741	4.741	4.741					4.690 - 4.790	4.741

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.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								
PCB-1248 Peak 1	44767280 31589085	39561160 26995342	36349415	33749326	Ave		35501934.7				18.0		20.0			
PCB-1248 Peak 2	111011600 89776129	101311510 79348668	96549475	90950276	Ave		94824609.7				11.0		20.0			
PCB-1248 Peak 3	109637760 78048621	95384580 69110142	89281200	80789620	Ave		87041987.2				16.0		20.0			
PCB-1248 Peak 4	122217600 98585446	112312070 88706961	105797830	97772720	Ave		104232104				11.0		20.0			
PCB-1248 Peak 5	67826320 51999203	62090710 47364867	58824495	53068384	Ave		56862329.8				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 13:02 Calibration End Date: 04/01/2013 14:13 Calibration ID: 14291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/15	P1200015.D
Level 2	STD01 240-80043/16	P1200016.D
Level 3	STD02 240-80043/17	P1200017.D
Level 4	STD05 240-80043/18	P1200018.D
Level 5	STD1 240-80043/19	P1200019.D
Level 6	STD2 240-80043/20	P1200020.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
PCB-1248 Peak 1	Ave	2238364 53990684	3956116	7269883	16874663	31589085	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	5550580 158697336	10131151	19309895	45475138	89776129	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	5481888 138220284	9538458	17856240	40394810	78048621	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	6110880 177413921	11231207	21159566	48886360	98585446	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	3391316 94729733	6209071	11764899	26534192	51999203	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200015.D		
Lims ID:	STD005 1248	Client ID:	
Inject. Date:	01-Apr-2013 13:02:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018420-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	80043	Lims Sample ID:	15
Sublist:	chrom-PCB12*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:59	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:45:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.863	1.863	0.000	757525	0.0612		100.0	
1	2	2.264	2.264	0.000	1939339	0.0598	236.7- 286.7	256.0	
1	3	2.773	2.773	0.000	2257051	0.0616	270.2- 320.2	298.0	
1	4	3.356	3.356	0.000	1293816	0.0616	145.6- 195.6	170.8	
1	5	3.792	3.792	0.000	1136493	0.0600	127.6- 177.6	150.0	
			Average of Peak Amounts =			0.0608			
2	6	2.535	2.535	0.000	2238364	0.0630		100.0	
2	7	2.989	2.989	0.000	5550580	0.0585	235.6- 295.6	248.0	
2	8	3.617	3.617	0.000	5481888	0.0630	215.6- 275.6	244.9	
2	9	4.062	4.062	0.000	6110880	0.0586	261.1- 321.1	273.0	
2	10	4.740	4.740	0.000	3391316	0.0596	131.8- 191.8	151.5	
			Average of Peak Amounts =			0.0606			
						RPD = 0.43			

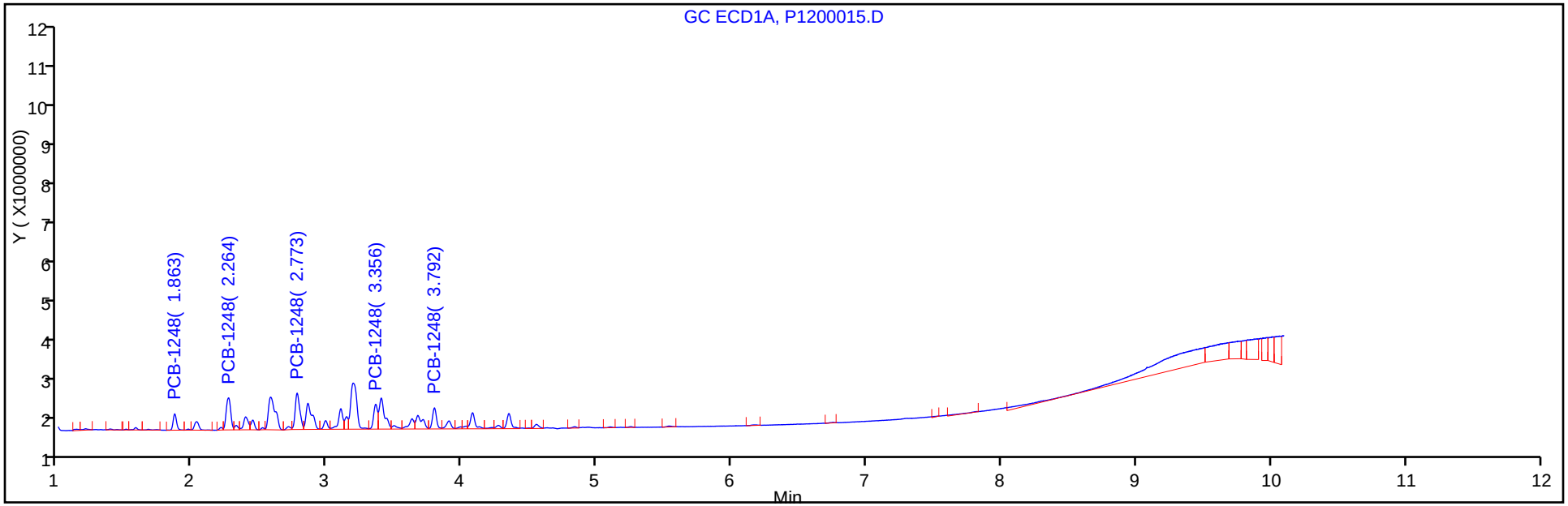
Report Date: 02-Apr-2013 07:02:01 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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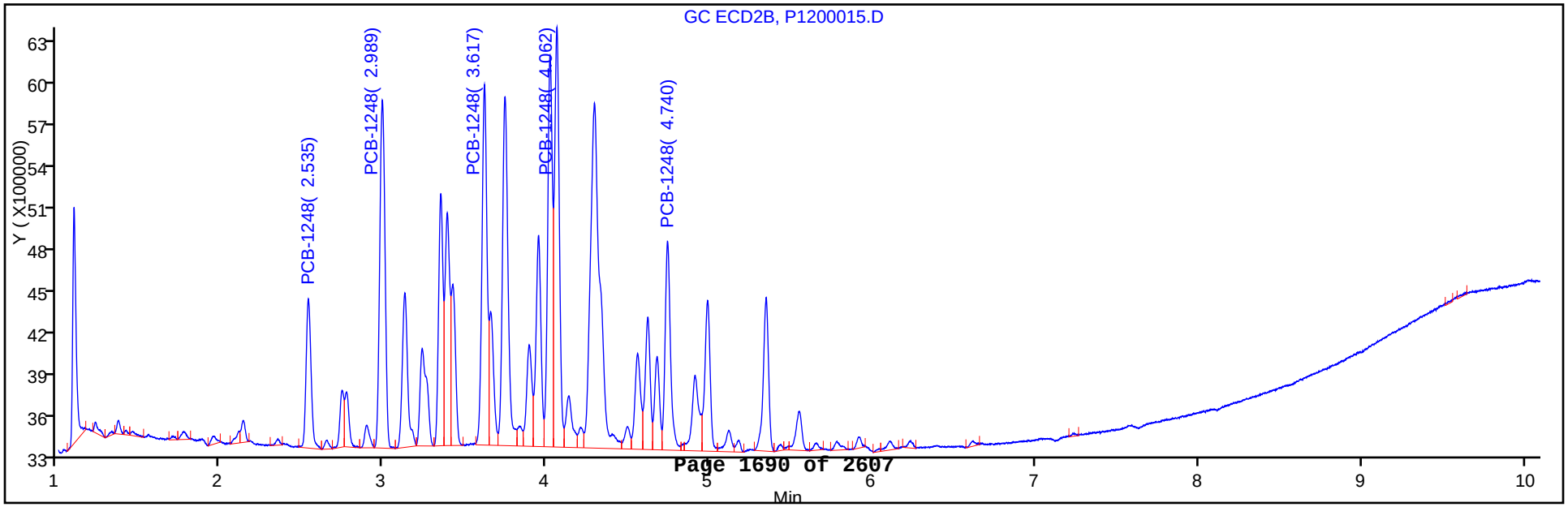
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Injection Date:	01-Apr-2013 13:02:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200016.D		
Lims ID:	STD01 1248	Client ID:	
Inject. Date:	01-Apr-2013 13:16:31	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018420-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	80043	Lims Sample ID:	16
Sublist:	chrom-PCB12*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:02:01	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:46:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	1384429	0.1118		100.0	
1	2	2.263	2.264	-0.001	3573081	0.1102	236.7- 286.7	258.1	
1	3	2.772	2.773	-0.001	4032513	0.1100	270.2- 320.2	291.3	
1	4	3.356	3.356	0.000	2302428	0.1096	145.6- 195.6	166.3	
1	5	3.791	3.792	-0.001	2064206	0.1089	127.6- 177.6	149.1	
			Average of Peak Amounts =			0.1101			
2	6	2.535	2.535	0.000	3956116	0.1114		100.0	
2	7	2.989	2.989	0.000	10131151	0.1068	235.6- 295.6	256.1	
2	8	3.616	3.617	-0.001	9538458	0.1096	215.6- 275.6	241.1	
2	9	4.061	4.062	-0.001	11231207	0.1078	261.1- 321.1	283.9	
2	10	4.741	4.740	0.001	6209071	0.1092	131.8- 191.8	156.9	
			Average of Peak Amounts =			0.1090			
						RPD = 1.05			

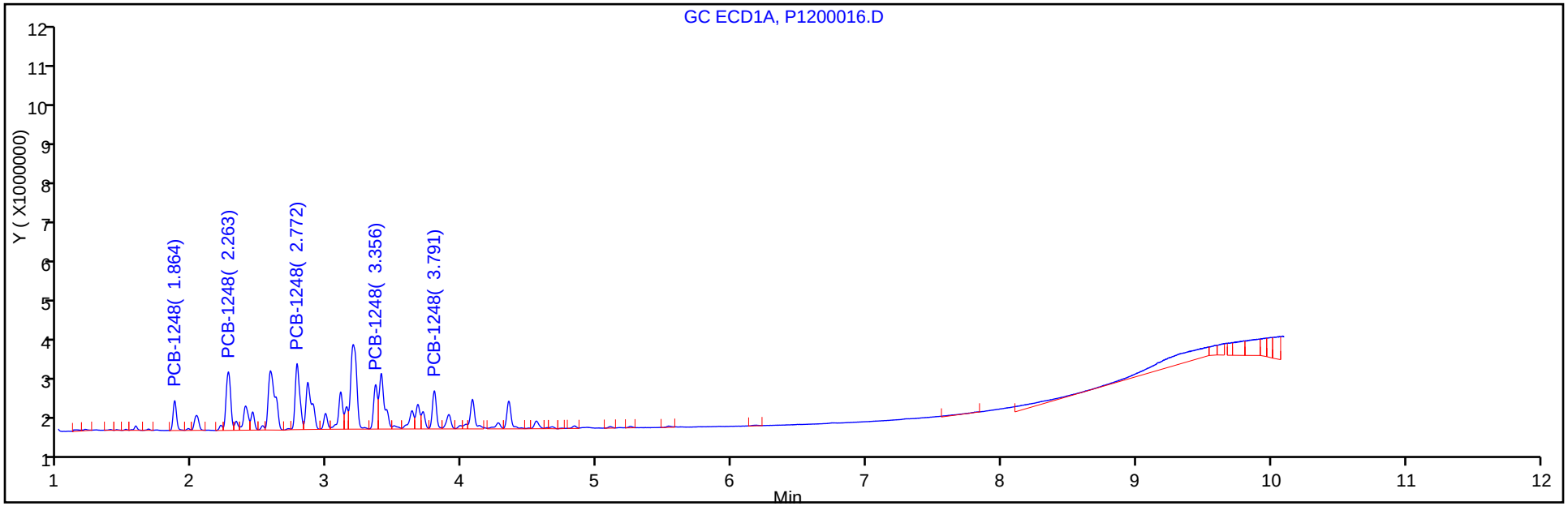
Report Date: 02-Apr-2013 07:02:03 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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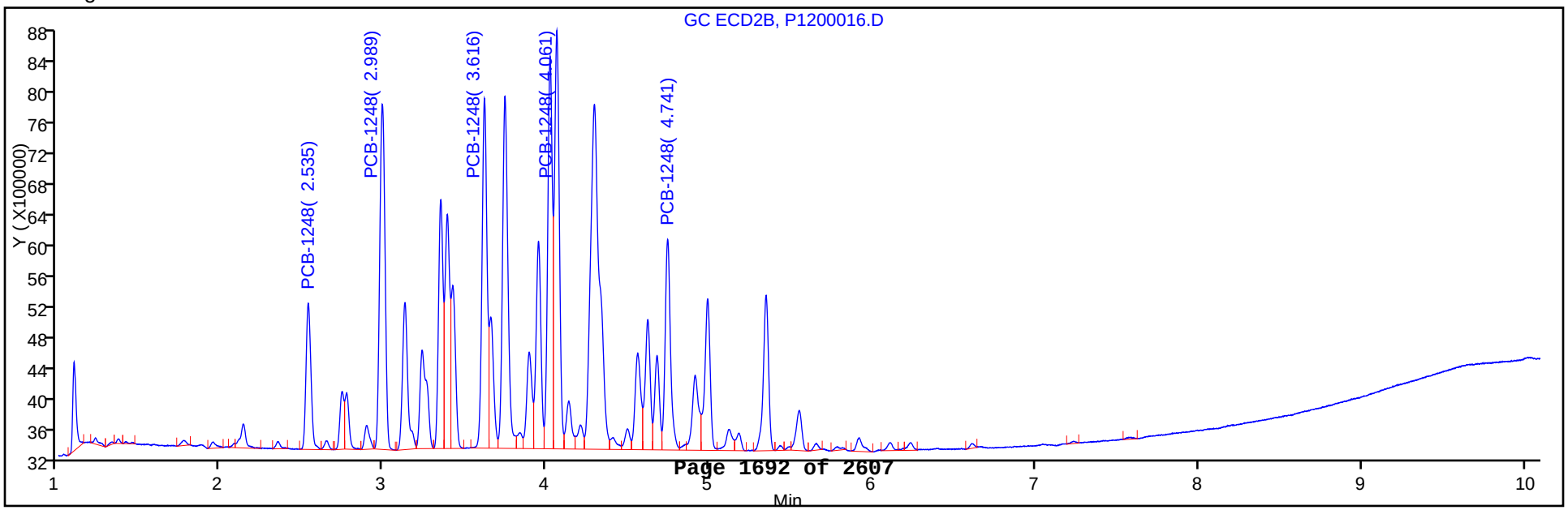
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200016.D

Injection Date:	01-Apr-2013 13:16:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 01-Apr-2013 13:31:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-017
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 80043 Lims Sample ID: 17
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:45 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.867	1.863	0.004	2545254	0.2055		100.0	
1	2	2.265	2.264	0.001	6660907	0.2054	236.7- 286.7	261.7	
1	3	2.776	2.773	0.003	7513386	0.2050	270.2- 320.2	295.2	
1	4	3.358	3.356	0.002	4343239	0.2068	145.6- 195.6	170.6	
1	5	3.794	3.792	0.002	3884547	0.2050	127.6- 177.6	152.6	
			Average of Peak Amounts =			0.2056			
2	6	2.536	2.535	0.001	7269883	0.2048		100.0	
2	7	2.991	2.989	0.002	19309895	0.2036	235.6- 295.6	265.6	
2	8	3.618	3.617	0.001	17856240	0.2051	215.6- 275.6	245.6	
2	9	4.061	4.062	-0.001	21159566	0.2030	261.1- 321.1	291.1	
2	10	4.741	4.740	0.001	11764899	0.2069	131.8- 191.8	161.8	
			Average of Peak Amounts =			0.2047			
						RPD = 0.42			

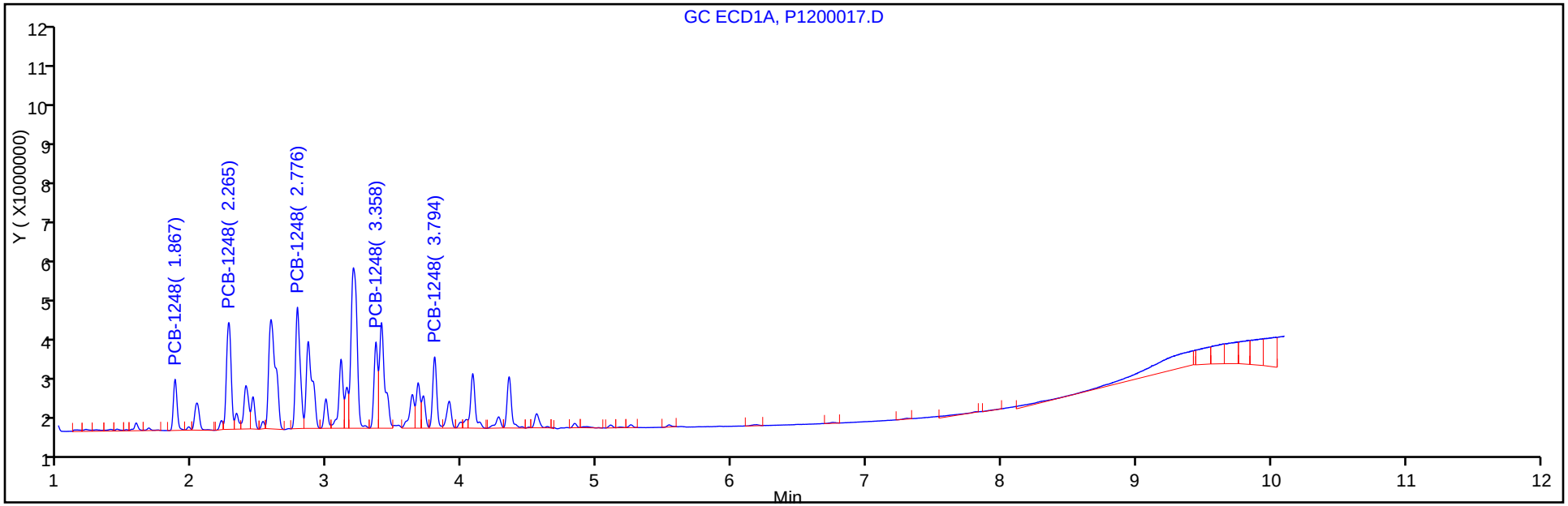
Report Date: 02-Apr-2013 07:00:46 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

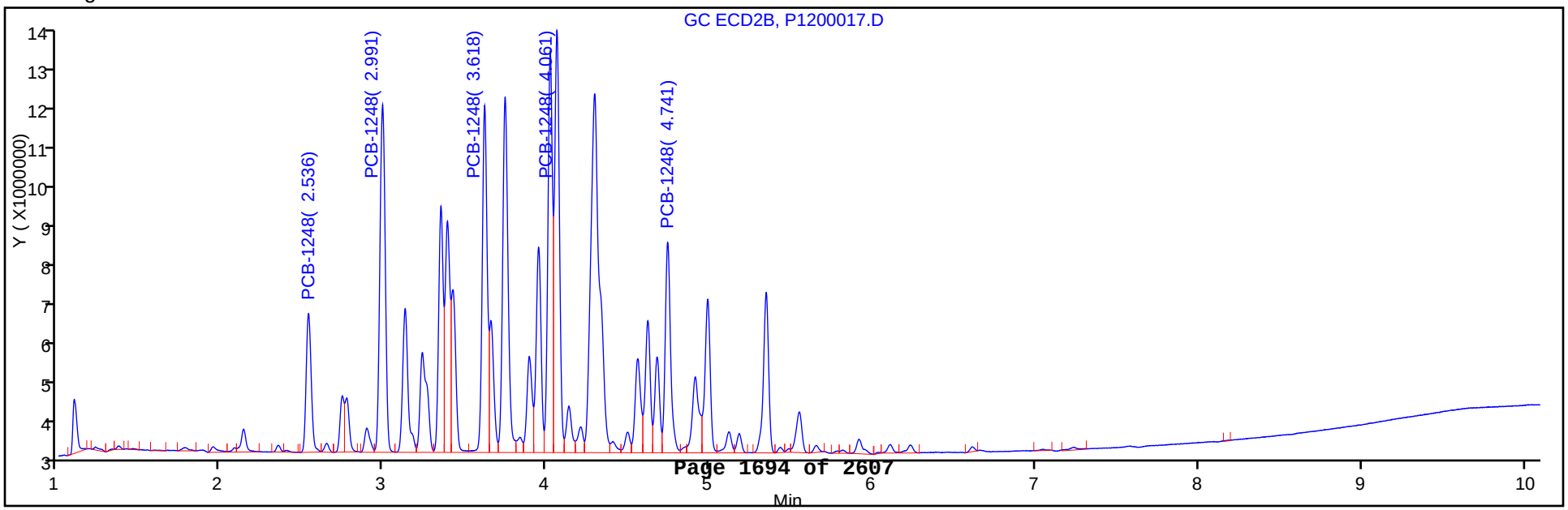
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200017.D

Injection Date:	01-Apr-2013 13:31:06	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 01-Apr-2013 13:45:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-018
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 80043 Lims Sample ID: 18
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:46 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	5963741	0.4816		100.0	
1	2	2.264	2.264	0.000	15610559	0.4815	236.7- 286.7	261.8	
1	3	2.773	2.773	0.000	17491561	0.4773	270.2- 320.2	293.3	
1	4	3.356	3.356	0.000	9911478	0.4719	145.6- 195.6	166.2	
1	5	3.792	3.792	0.000	9104188	0.4804	127.6- 177.6	152.7	
			Average of Peak Amounts =			0.4785			
2	6	2.535	2.535	0.000	16874663	0.4753		100.0	
2	7	2.990	2.989	0.001	45475138	0.4796	235.6- 295.6	269.5	
2	8	3.617	3.617	0.000	40394810	0.4641	215.6- 275.6	239.4	
2	9	4.061	4.062	-0.001	48886360	0.4690	261.1- 321.1	289.7	
2	10	4.741	4.740	0.001	26534192	0.4666	131.8- 191.8	157.2	
			Average of Peak Amounts =			0.4709			
						RPD = 1.60			

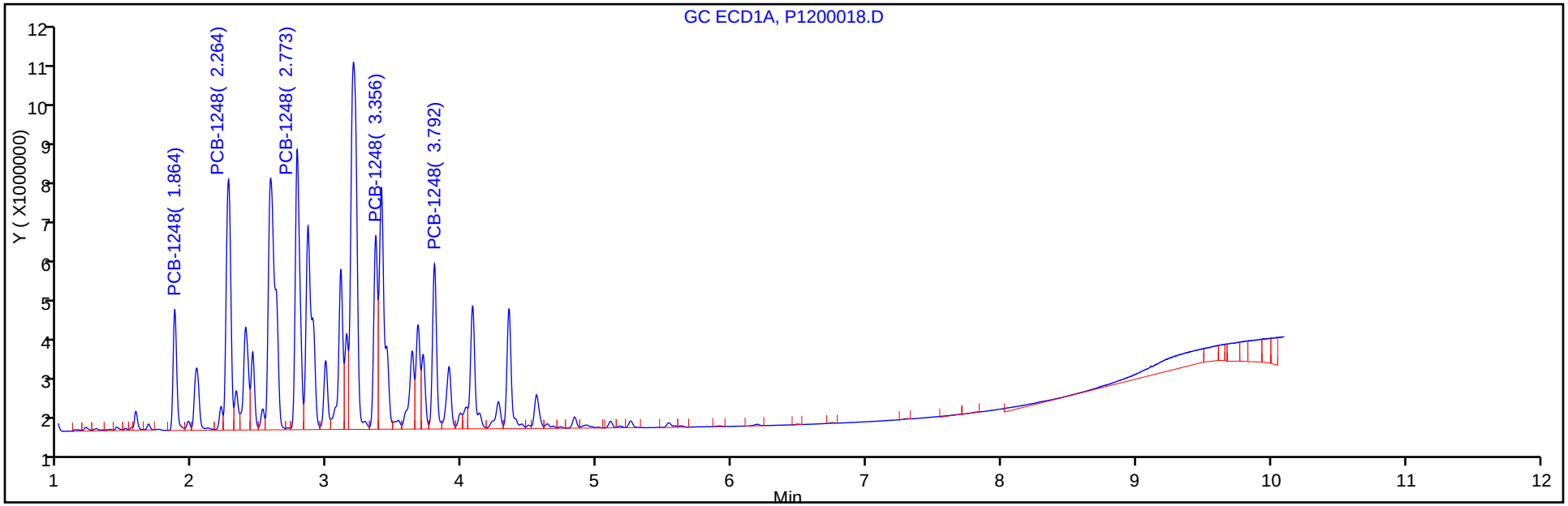
Report Date: 02-Apr-2013 07:00:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

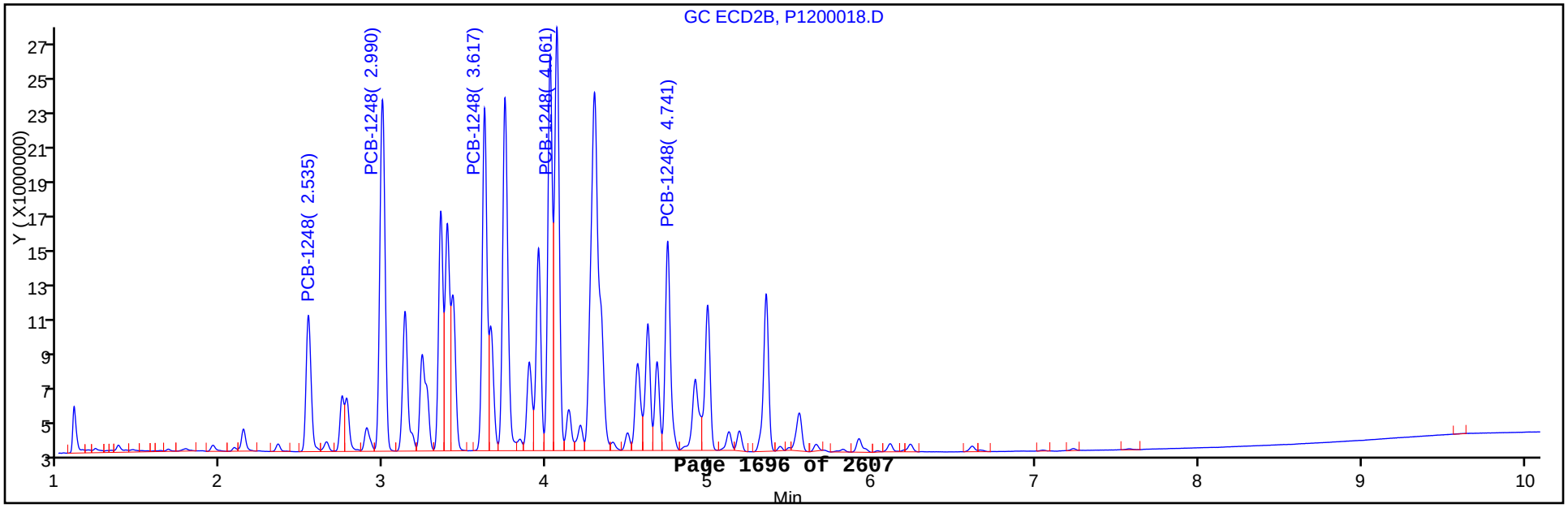
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Injection Date:	01-Apr-2013 13:45:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 01-Apr-2013 13:59:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-019
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 80043 Lims Sample ID: 19
Sublist: chrom-PCB12*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:48 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.864	1.863	0.001	11147511	0.9002		100.0	
1	2	2.264	2.264	0.000	29758632	0.9178	236.7- 286.7	267.0	
1	3	2.774	2.773	0.001	32972663	0.8997	270.2- 320.2	295.8	
1	4	3.356	3.356	0.000	18823703	0.8962	145.6- 195.6	168.9	
1	5	3.791	3.792	-0.001	17104493	0.9026	127.6- 177.6	153.4	
			Average of Peak Amounts =			0.9033			
2	6	2.536	2.535	0.001	31589085	0.8898		100.0	
2	7	2.991	2.989	0.002	89776129	0.9468	235.6- 295.6	284.2	
2	8	3.618	3.617	0.001	78048621	0.8967	215.6- 275.6	247.1	
2	9	4.061	4.062	-0.001	98585446	0.9458	261.1- 321.1	312.1	
2	10	4.741	4.740	0.001	51999203	0.9145	131.8- 191.8	164.6	
			Average of Peak Amounts =			0.9187			
						RPD = 1.69			

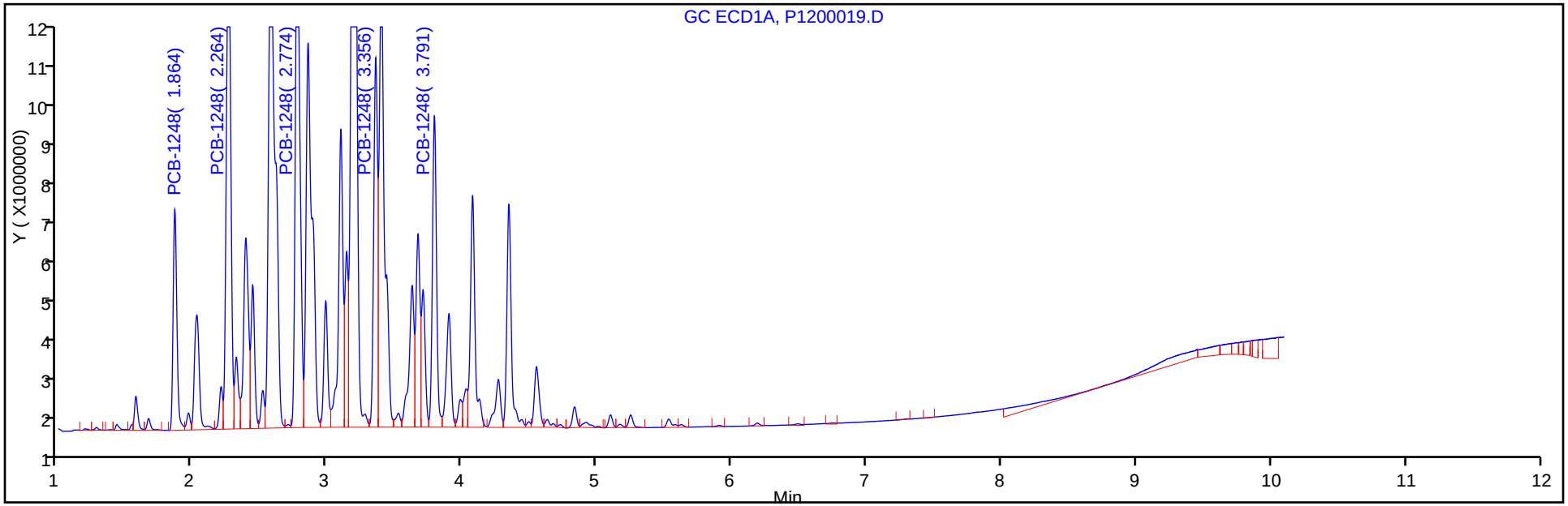
Report Date: 02-Apr-2013 07:00:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

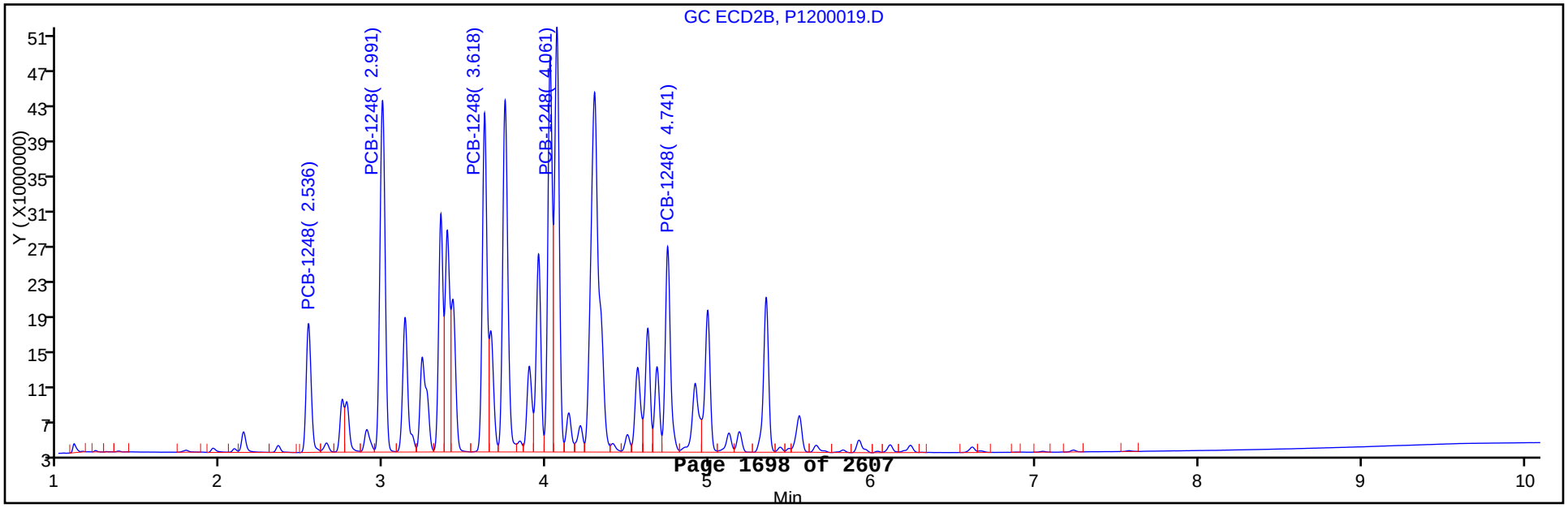
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200019.D

Injection Date:	01-Apr-2013 13:59:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200020.D		
Lims ID:	STD2 1248	Client ID:	
Inject. Date:	01-Apr-2013 14:13:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0018420-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	80043	Lims Sample ID:	20
Sublist:	chrom-PCB12*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:00:49	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.865	1.863	0.002	19008006	1.53		100.0	
1	2	2.265	2.264	0.001	51462138	1.59	236.7- 286.7	270.7	
1	3	2.774	2.773	0.001	57797954	1.58	270.2- 320.2	304.1	
1	4	3.357	3.356	0.001	33529266	1.60	145.6- 195.6	176.4	
1	5	3.792	3.792	0.000	31195344	1.65	127.6- 177.6	164.1	
			Average of Peak Amounts =			1.59			
2	6	2.536	2.535	0.001	53990684	1.52		100.0	
2	7	2.991	2.989	0.002	158697336	1.67	235.6- 295.6	293.9	
2	8	3.618	3.617	0.001	138220284	1.59	215.6- 275.6	256.0	
2	9	4.062	4.062	0.000	177413921	1.70	261.1- 321.1	328.6	
2	10	4.741	4.740	0.001	94729733	1.67	131.8- 191.8	175.5	
			Average of Peak Amounts =			1.63			
						RPD = 2.59			

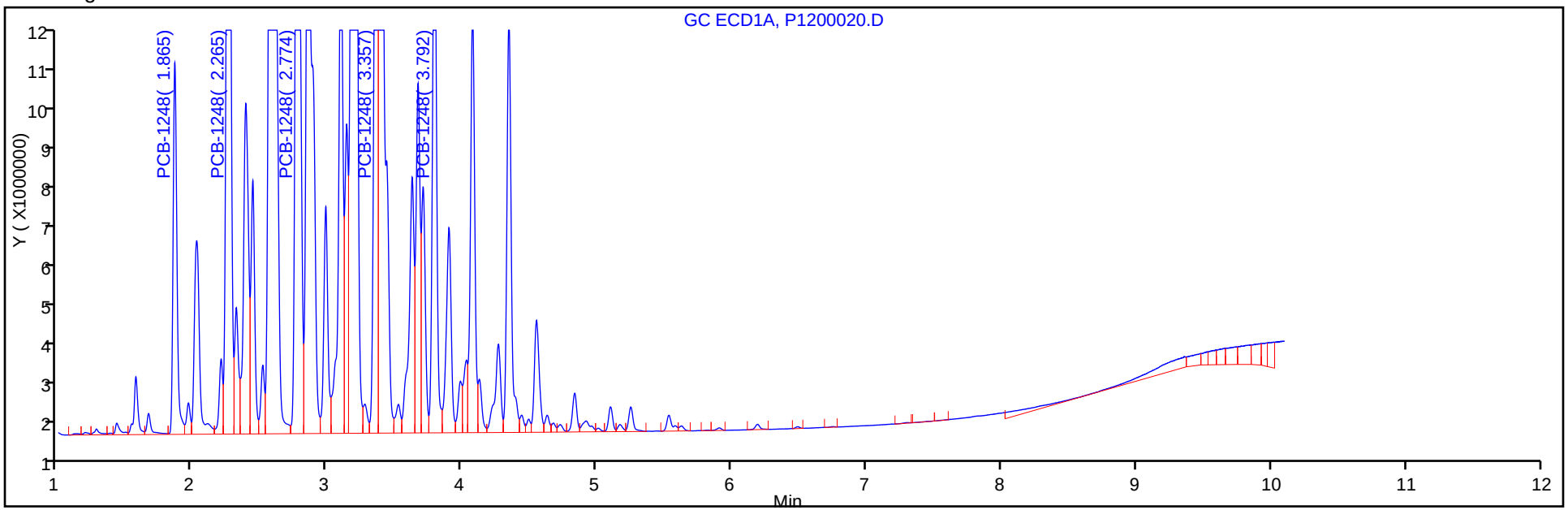
Report Date: 02-Apr-2013 07:00:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

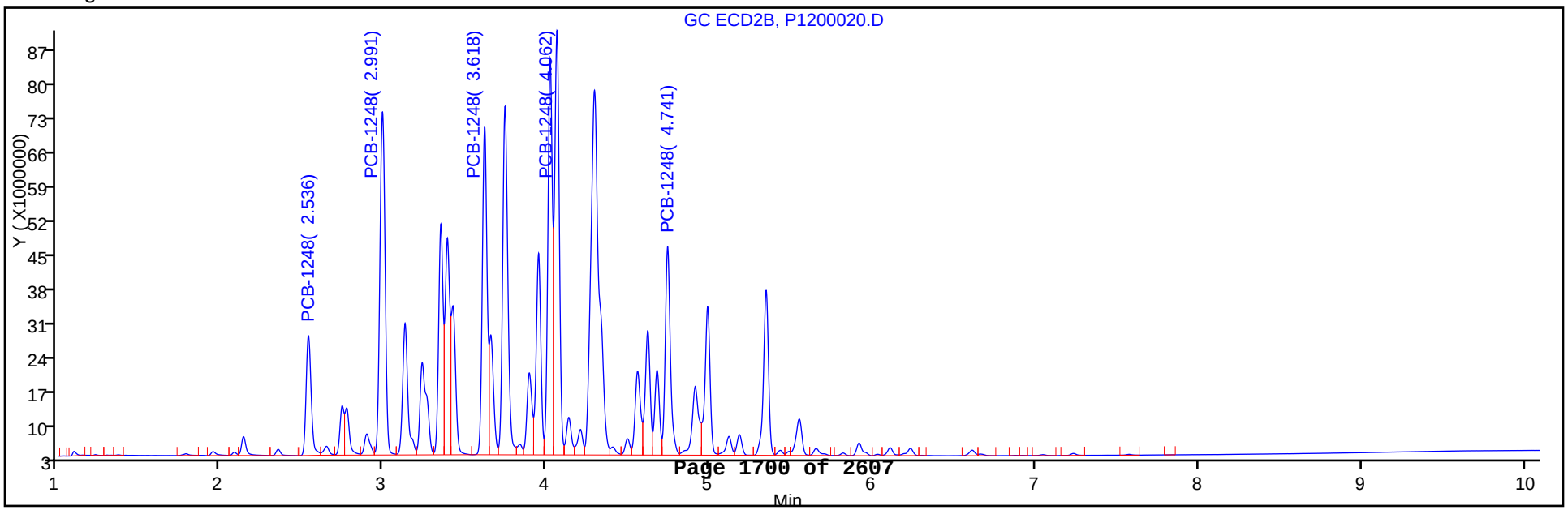
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200020.D

Injection Date:	01-Apr-2013 14:13:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.433	1.434	1.433	1.434	1.432	1.433					1.383 - 1.483	1.433
PCB-1221 Peak 2	1.544	1.545	1.544	1.546	1.544	1.546					1.494 - 1.594	1.545
PCB-1221 Peak 3	1.575	1.576	1.574	1.576	1.574	1.576					1.525 - 1.625	1.575
PCB-1254 Peak 1	3.404	3.405	3.402	3.404	3.403	3.405					3.354 - 3.454	3.404
PCB-1254 Peak 2	3.792	3.794	3.792	3.792	3.791	3.792					3.742 - 3.842	3.792
PCB-1254 Peak 3	4.075	4.077	4.074	4.074	4.074	4.076					4.025 - 4.125	4.075
PCB-1254 Peak 4	4.269	4.270	4.267	4.267	4.267	4.267					4.219 - 4.319	4.268
PCB-1254 Peak 5	4.550	4.551	4.549	4.551	4.548	4.550					4.500 - 4.600	4.550

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.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								
PCB-1221 Peak 1	11501480 8231620	10684030 7747890	9654825	8653500	Ave		9412224.08				16.0		20.0			
PCB-1221 Peak 2	6324580 4759943	5137560 3429100	5704840	4861192	Ave		5036202.50				19.0		20.0			
PCB-1221 Peak 3	27179640 19710865	26777960 19242491	23117735	21181588	Ave		22868379.8				15.0		20.0			
PCB-1254 Peak 1	73840960 50700004	64420330 49937151	58069305	53972582	Ave		58490055.3				16.0		20.0			
PCB-1254 Peak 2	73894780 51552740	68578200 55486218	57789840	54130052	Ave		60238638.3				15.0		20.0			
PCB-1254 Peak 3	56473180 44782354	55540210 45539186	51709600	47963516	Ave		50334674.3				10.0		20.0			
PCB-1254 Peak 4	51799620 38039959	47710340 38003603	43832495	40352954	Ave		43289828.4				13.0		20.0			
PCB-1254 Peak 5	72679720 55001113	67533100 55861558	62654400	58266414	Ave		61999384.1				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.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
PCB-1221 Peak 1	Ave	575074 15495779	1068403	1930965	4326750	8231620	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	316229 6858200	513756	1140968	2430596	4759943	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	1358982 38484981	2677796	4623547	10590794	19710865	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	3692048 99874301	6442033	11613861	26986291	50700004	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	3694739 110972435	6857820	11557968	27065026	51552740	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	2823659 91078372	5554021	10341920	23981758	44782354	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	2589981 76007205	4771034	8766499	20176477	38039959	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	3633986 111723115	6753310	12530880	29133207	55001113	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:28:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-021
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 80043 Lims Sample ID: 21
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:50 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:50:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	575074	0.0611		100.0	
1	3	1.544	1.544	0.000	316229	0.0628	34.1- 84.1	55.0	
1	4	1.575	1.575	0.000	1358982	0.0594	214.4- 264.4	236.3	
			Average of Peak Amounts =			0.0611			
2	4	1.948	1.948	0.000	1650574	0.0611		100.0	
2	5	2.080	2.080	0.000	1104696	0.0607	38.7- 98.7	66.9	
2	6	2.137	2.137	0.000	3950978	0.0610	210.1- 270.1	239.4	
			Average of Peak Amounts =			0.0610			
						RPD = 0.25			
8 PCB-1254									
1	100	3.404	3.404	0.000	3692048	0.0631		100.0	
1	2	3.792	3.792	0.000	3694739	0.0613	74.5- 124.5	100.1	
1	3	4.075	4.075	0.000	2823659	0.0561	64.0- 114.0	76.5	
1	4	4.269	4.269	0.000	2589981	0.0598	50.5- 100.5	70.2	
1	5	4.550	4.550	0.000	3633986	0.0586	82.9- 132.9	98.4	
			Average of Peak Amounts =			0.0598			
2	6	4.268	4.268	0.000	6500049	0.0578		100.0	
2	7	4.741	4.741	0.000	9728442	0.0559	124.4- 184.4	149.7	
2	8	4.986	4.986	0.000	6929906	0.0564	78.3- 138.3	106.6	
2	9	5.345	5.345	0.000	7972096	0.0560	95.8- 155.8	122.6	
2	10	5.549	5.549	0.000	9344914	0.0556	119.6- 179.6	143.8	
			Average of Peak Amounts =			0.0563			
						RPD = 5.99			

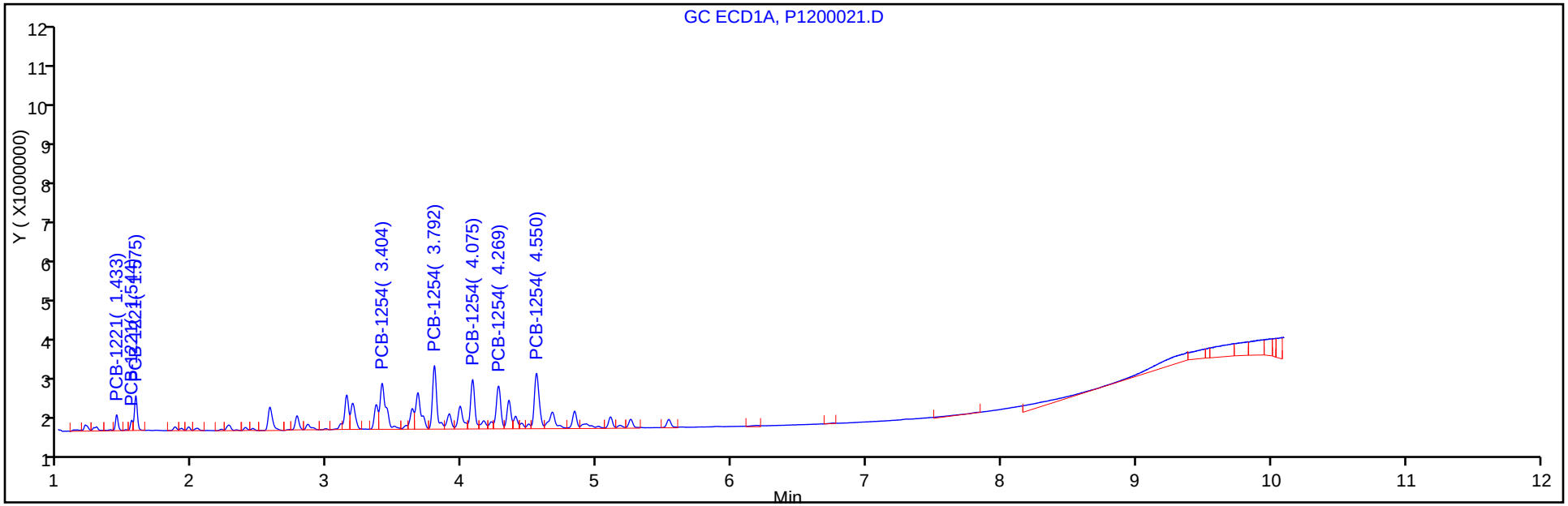
Report Date: 02-Apr-2013 07:00:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

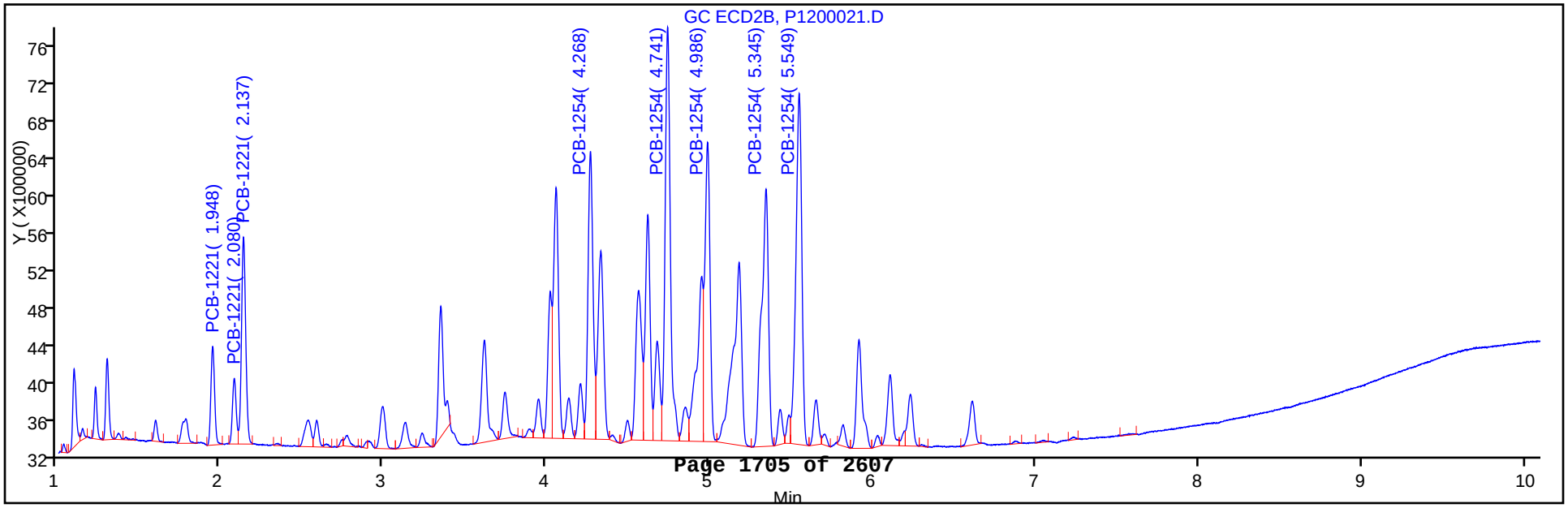
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200021.D

Injection Date:	01-Apr-2013 14:28:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:42:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-022
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 80043 Lims Sample ID: 22
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:52 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	1068403	0.1135		100.0	
1	3	1.545	1.544	0.001	513756	0.1020	34.1- 84.1	48.1	
1	4	1.576	1.575	0.001	2677796	0.1171	214.4- 264.4	250.6	
			Average of Peak Amounts =			0.1109			
2	4	1.949	1.948	0.001	2984288	0.1105		100.0	
2	5	2.081	2.080	0.001	2023259	0.1113	38.7- 98.7	67.8	
2	6	2.138	2.137	0.001	7035874	0.1086	210.1- 270.1	235.8	
			Average of Peak Amounts =			0.1101			
						RPD = 0.67			
8 PCB-1254									
1	100	3.405	3.404	0.001	6442033	0.1101		100.0	
1	2	3.794	3.792	0.002	6857820	0.1138	74.5- 124.5	106.5	
1	3	4.077	4.075	0.002	5554021	0.1103	64.0- 114.0	86.2	
1	4	4.270	4.269	0.001	4771034	0.1102	50.5- 100.5	74.1	
1	5	4.551	4.550	0.001	6753310	0.1089	82.9- 132.9	104.8	
			Average of Peak Amounts =			0.1107			
2	6	4.268	4.268	0.000	12010426	0.1067		100.0	
2	7	4.742	4.741	0.001	17914496	0.1029	124.4- 184.4	149.2	
2	8	4.988	4.986	0.002	12779114	0.1041	78.3- 138.3	106.4	
2	9	5.346	5.345	0.001	14885183	0.1045	95.8- 155.8	123.9	
2	10	5.550	5.549	0.001	17482957	0.1039	119.6- 179.6	145.6	
			Average of Peak Amounts =			0.1044			
						RPD = 5.82			

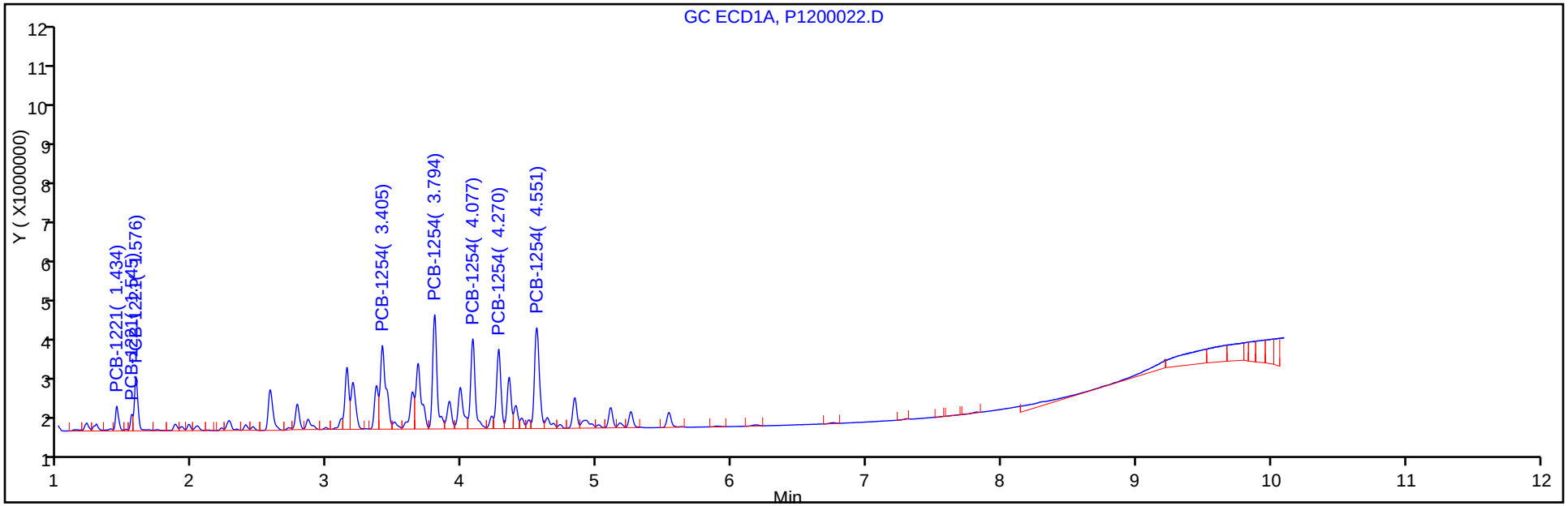
Report Date: 02-Apr-2013 07:00:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

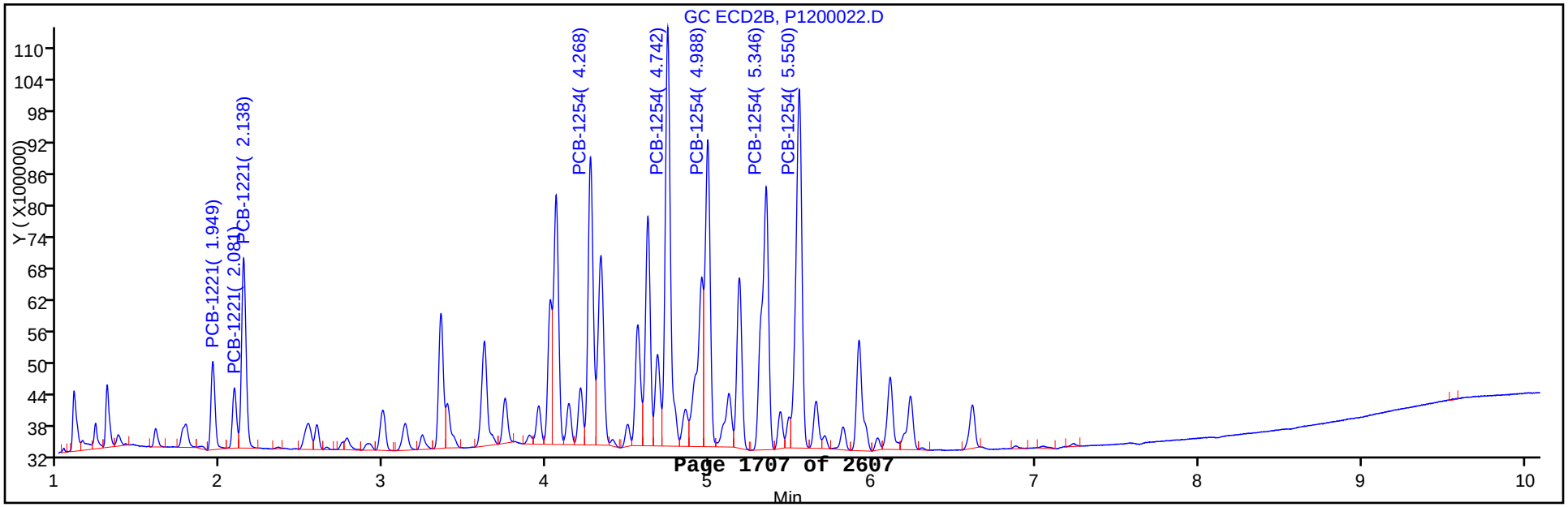
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Injection Date:	01-Apr-2013 14:42:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:56:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-023
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 80043 Lims Sample ID: 23
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:53 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	1930965	0.2052		100.0	
1	3	1.544	1.544	0.000	1140968	0.2266	34.1- 84.1	59.1	
1	4	1.574	1.575	-0.001	4623547	0.2022	214.4- 264.4	239.4	
			Average of Peak Amounts =			0.2113			
2	4	1.948	1.948	0.000	5416468	0.2005		100.0	
2	5	2.079	2.080	-0.001	3719594	0.2045	38.7- 98.7	68.7	
2	6	2.136	2.137	-0.001	13006772	0.2008	210.1- 270.1	240.1	
			Average of Peak Amounts =			0.2020			
						RPD = 4.51			
8 PCB-1254									
1	100	3.402	3.404	-0.002	11613861	0.1986		100.0	
1	2	3.792	3.792	0.000	11557968	0.1919	74.5- 124.5	99.5	
1	3	4.074	4.075	-0.001	10341920	0.2055	64.0- 114.0	89.0	
1	4	4.267	4.269	-0.002	8766499	0.2025	50.5- 100.5	75.5	
1	5	4.549	4.550	-0.001	12530880	0.2021	82.9- 132.9	107.9	
			Average of Peak Amounts =			0.2001			
2	6	4.267	4.268	-0.001	22425641	0.1992		100.0	
2	7	4.741	4.741	0.000	34620654	0.1989	124.4- 184.4	154.4	
2	8	4.986	4.986	0.000	24297437	0.1979	78.3- 138.3	108.3	
2	9	5.345	5.345	0.000	28217117	0.1981	95.8- 155.8	125.8	
2	10	5.549	5.549	0.000	33547771	0.1994	119.6- 179.6	149.6	
			Average of Peak Amounts =			0.1987			
						RPD = 0.69			

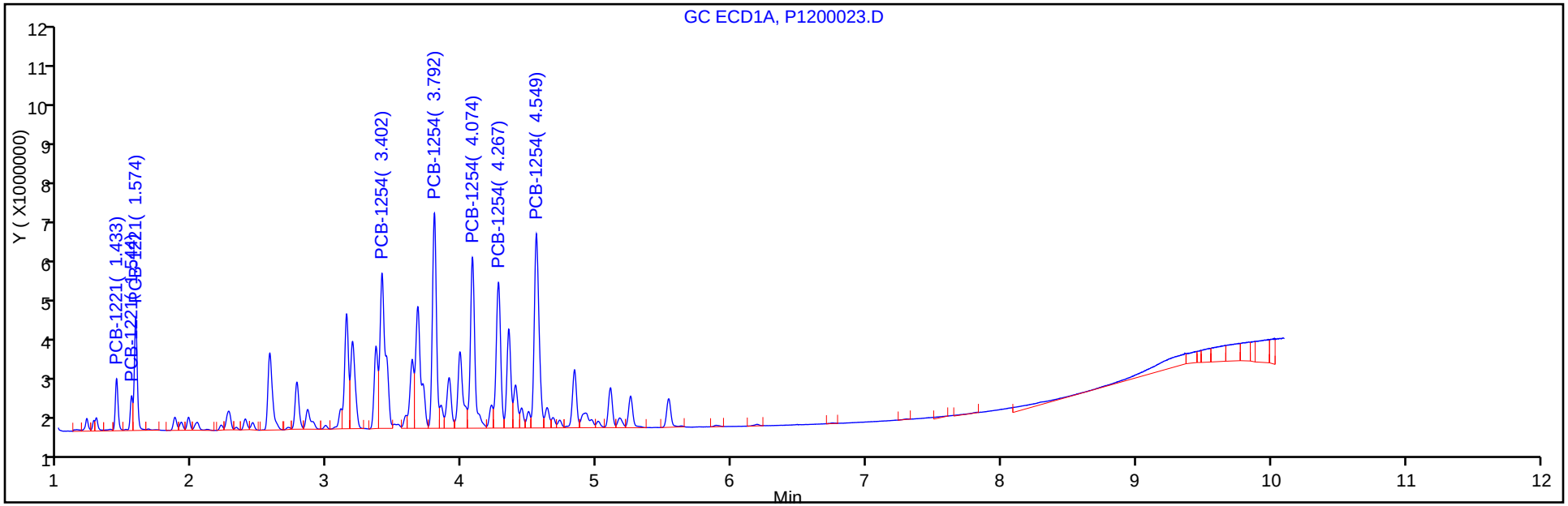
Report Date: 02-Apr-2013 07:00:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

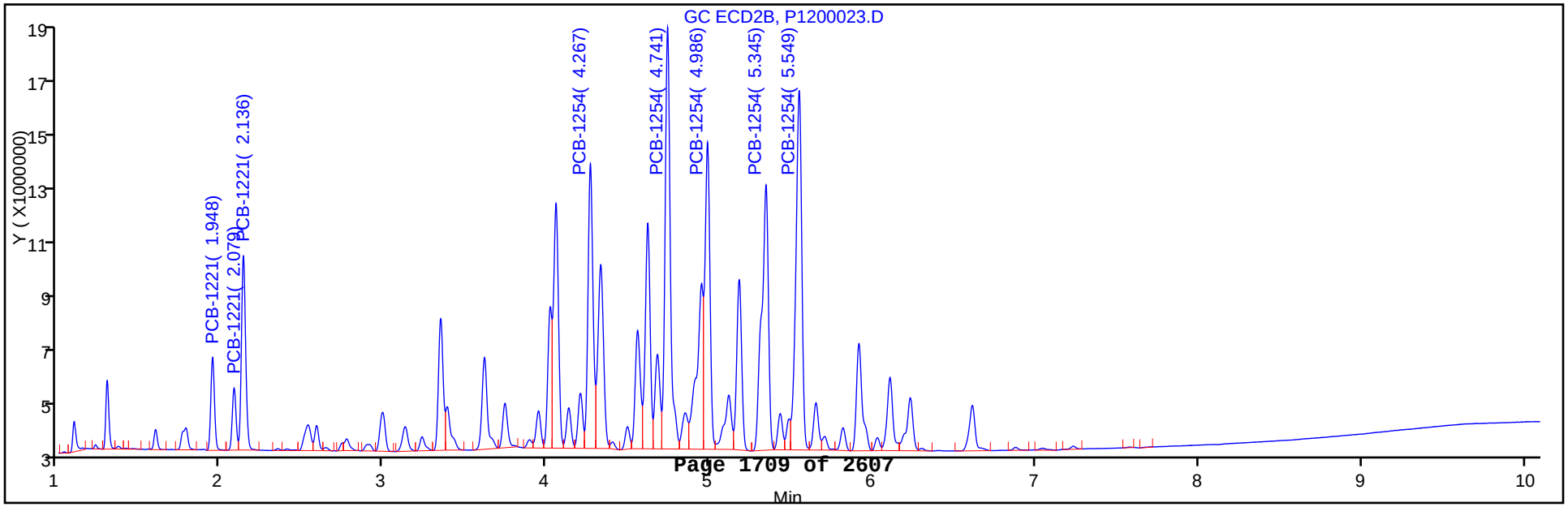
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200023.D

Injection Date:	01-Apr-2013 14:56:57	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:11:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-024
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 80043 Lims Sample ID: 24
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:54 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	4326750	0.4597		100.0	
1	3	1.546	1.544	0.002	2430596	0.4826	34.1- 84.1	56.2	
1	4	1.576	1.575	0.001	10590794	0.4631	214.4- 264.4	244.8	
			Average of Peak Amounts =			0.4685			
2	4	1.948	1.948	0.000	13074999	0.4841		100.0	
2	5	2.080	2.080	0.000	8874018	0.4880	38.7- 98.7	67.9	
2	6	2.137	2.137	0.000	31233968	0.4823	210.1- 270.1	238.9	
			Average of Peak Amounts =			0.4848			
						RPD = 3.42			
8 PCB-1254									
1	100	3.404	3.404	0.000	26986291	0.4614		100.0	
1	2	3.792	3.792	0.000	27065026	0.4493	74.5- 124.5	100.3	
1	3	4.074	4.075	-0.001	23981758	0.4764	64.0- 114.0	88.9	
1	4	4.267	4.269	-0.002	20176477	0.4661	50.5- 100.5	74.8	
1	5	4.551	4.550	0.001	29133207	0.4699	82.9- 132.9	108.0	
			Average of Peak Amounts =			0.4646			
2	6	4.268	4.268	0.000	52898085	0.4700		100.0	
2	7	4.741	4.741	0.000	83609361	0.4804	124.4- 184.4	158.1	
2	8	4.987	4.986	0.001	58490691	0.4764	78.3- 138.3	110.6	
2	9	5.346	5.345	0.001	67623627	0.4749	95.8- 155.8	127.8	
2	10	5.550	5.549	0.001	80419485	0.4781	119.6- 179.6	152.0	
			Average of Peak Amounts =			0.4759			
						RPD = 2.41			

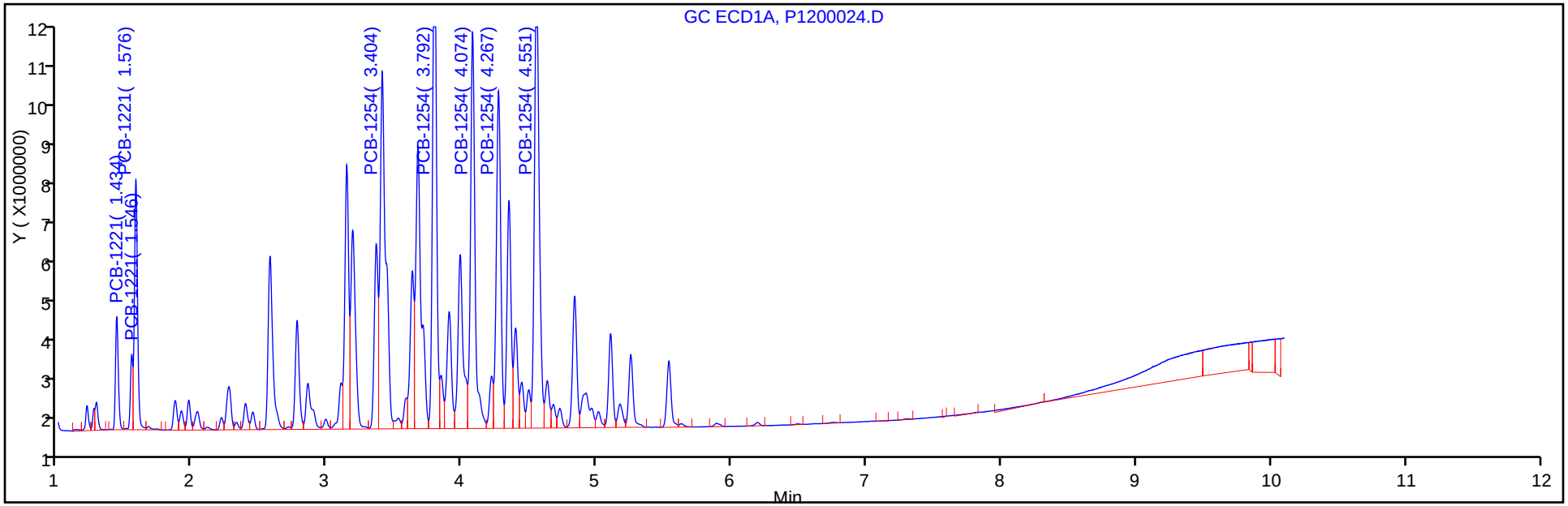
Report Date: 02-Apr-2013 07:00:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

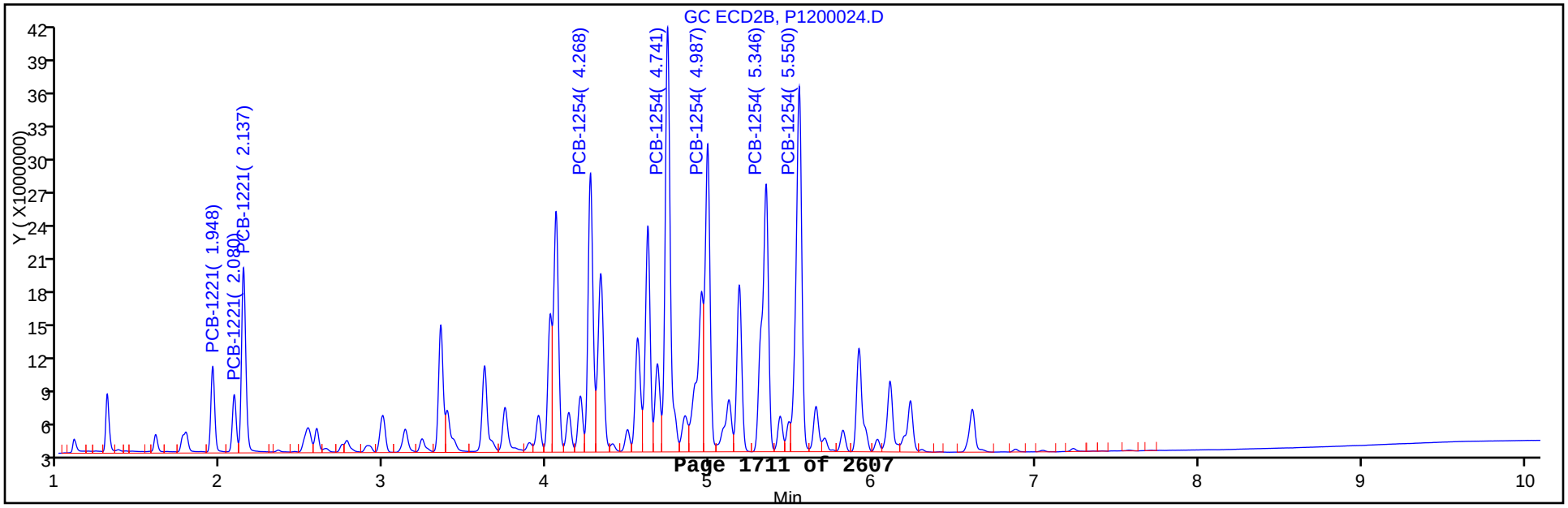
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200024.D

Injection Date:	01-Apr-2013 15:11:30	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:25:43 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-025
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 80043 Lims Sample ID: 25
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:56 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.432	1.433	-0.001	8231620	0.8746		100.0	
1	3	1.544	1.544	0.000	4759943	0.9451	34.1- 84.1	57.8	
1	4	1.574	1.575	-0.001	19710865	0.8619	214.4- 264.4	239.5	
			Average of Peak Amounts =			0.8939			
2	4	1.947	1.948	-0.001	23864828	0.8835		100.0	
2	5	2.080	2.080	0.000	15943025	0.8767	38.7- 98.7	66.8	
2	6	2.137	2.137	0.000	57806106	0.8926	210.1- 270.1	242.2	
			Average of Peak Amounts =			0.8843			
						RPD = 1.08			
8 PCB-1254									
1	100	3.403	3.404	-0.001	50700004	0.8668		100.0	
1	2	3.791	3.792	-0.001	51552740	0.8558	74.5- 124.5	101.7	
1	3	4.074	4.075	-0.001	44782354	0.8897	64.0- 114.0	88.3	
1	4	4.267	4.269	-0.002	38039959	0.8787	50.5- 100.5	75.0	
1	5	4.548	4.550	-0.002	55001113	0.8871	82.9- 132.9	108.5	
			Average of Peak Amounts =			0.8756			
2	6	4.267	4.268	-0.001	103062164	0.9157		100.0	
2	7	4.741	4.741	0.000	163996198	0.9423	124.4- 184.4	159.1	
2	8	4.987	4.986	0.001	113448835	0.9239	78.3- 138.3	110.1	
2	9	5.346	5.345	0.001	131924802	0.9264	95.8- 155.8	128.0	
2	10	5.550	5.549	0.001	156099207	0.9279	119.6- 179.6	151.5	
			Average of Peak Amounts =			0.9273			
						RPD = 5.73			

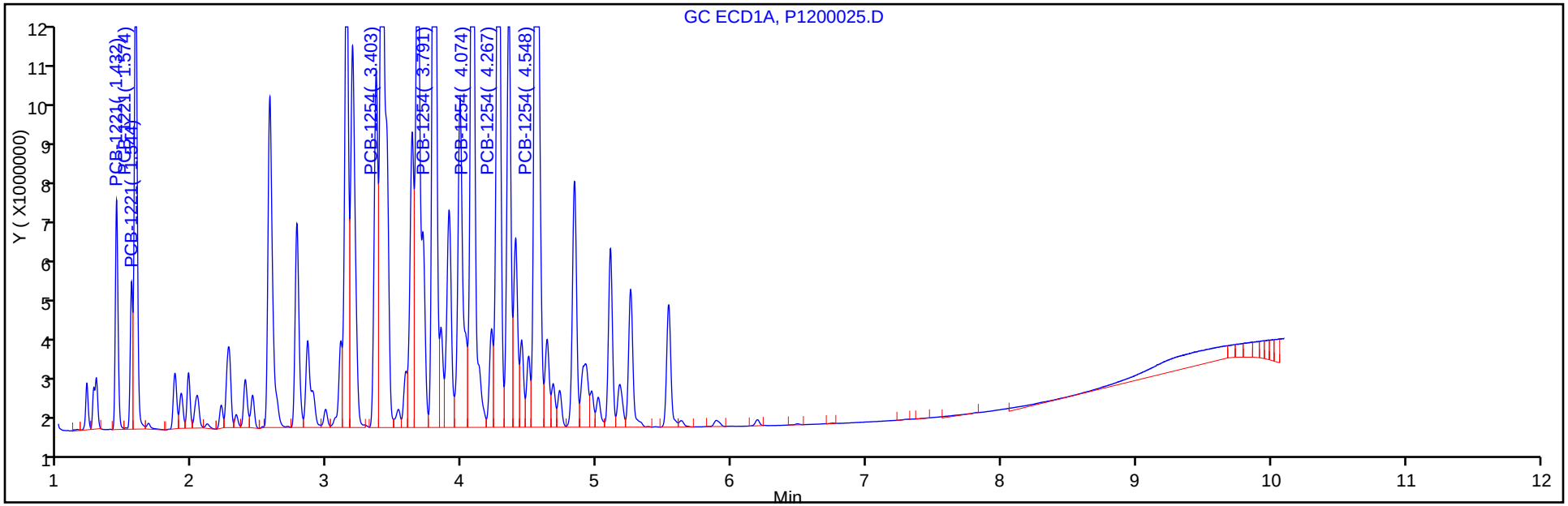
Report Date: 02-Apr-2013 07:00:56 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

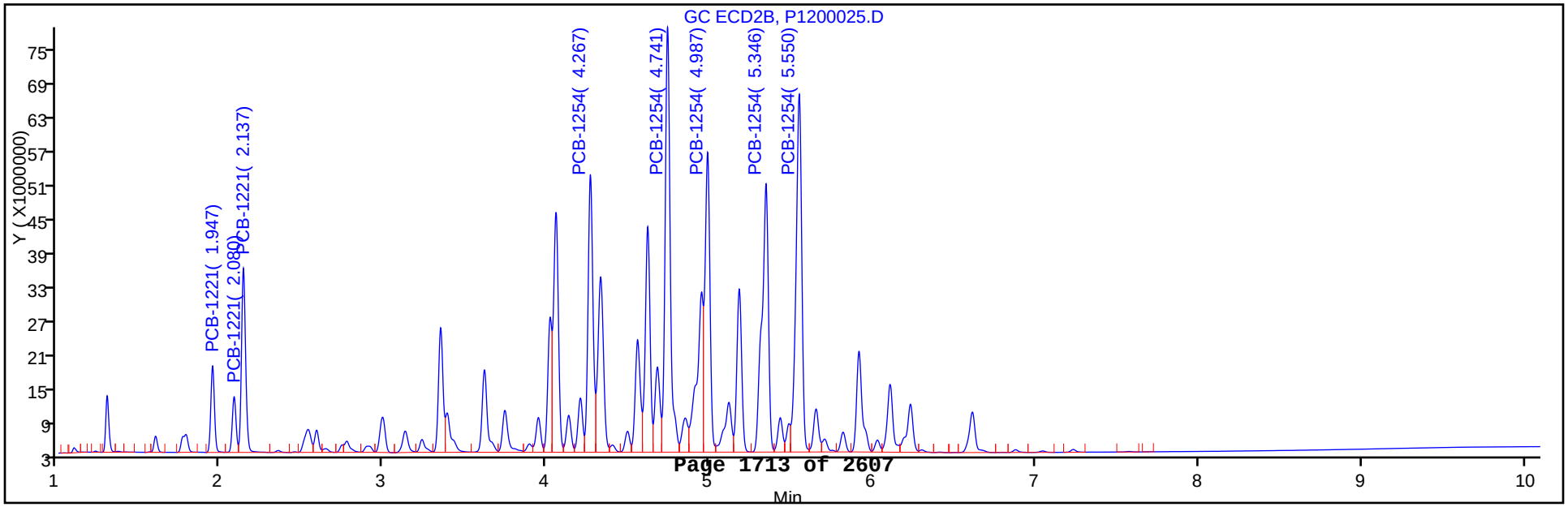
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200025.D

Injection Date:	01-Apr-2013 15:25:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:39:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-026
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 80043 Lims Sample ID: 26
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:57 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	15495779	1.65		100.0	
1	3	1.546	1.544	0.002	6858200	1.36	34.1- 84.1	44.3	
1	4	1.576	1.575	0.001	38484981	1.68	214.4- 264.4	248.4	
			Average of Peak Amounts =			1.56			
2	4	1.949	1.948	0.001	44229767	1.64		100.0	
2	5	2.081	2.080	0.001	28998688	1.59	38.7- 98.7	65.6	
2	6	2.138	2.137	0.001	107732032	1.66	210.1- 270.1	243.6	
			Average of Peak Amounts =			1.63			
						RPD = 4.27			
8 PCB-1254									
1	100	3.405	3.404	0.001	99874301	1.71		100.0	
1	2	3.792	3.792	0.000	110972435	1.84	74.5- 124.5	111.1	
1	3	4.076	4.075	0.001	91078372	1.81	64.0- 114.0	91.2	
1	4	4.267	4.269	-0.002	76007205	1.76	50.5- 100.5	76.1	
1	5	4.550	4.550	0.000	111723115	1.80	82.9- 132.9	111.9	
			Average of Peak Amounts =			1.78			
2	6	4.269	4.268	0.001	208439308	1.85		100.0	
2	7	4.741	4.741	0.000	332436680	1.91	124.4- 184.4	159.5	
2	8	4.988	4.986	0.002	236837156	1.93	78.3- 138.3	113.6	
2	9	5.346	5.345	0.001	275735108	1.94	95.8- 155.8	132.3	
2	10	5.551	5.549	0.002	325866112	1.94	119.6- 179.6	156.3	
			Average of Peak Amounts =			1.91			
						RPD = 7.00			

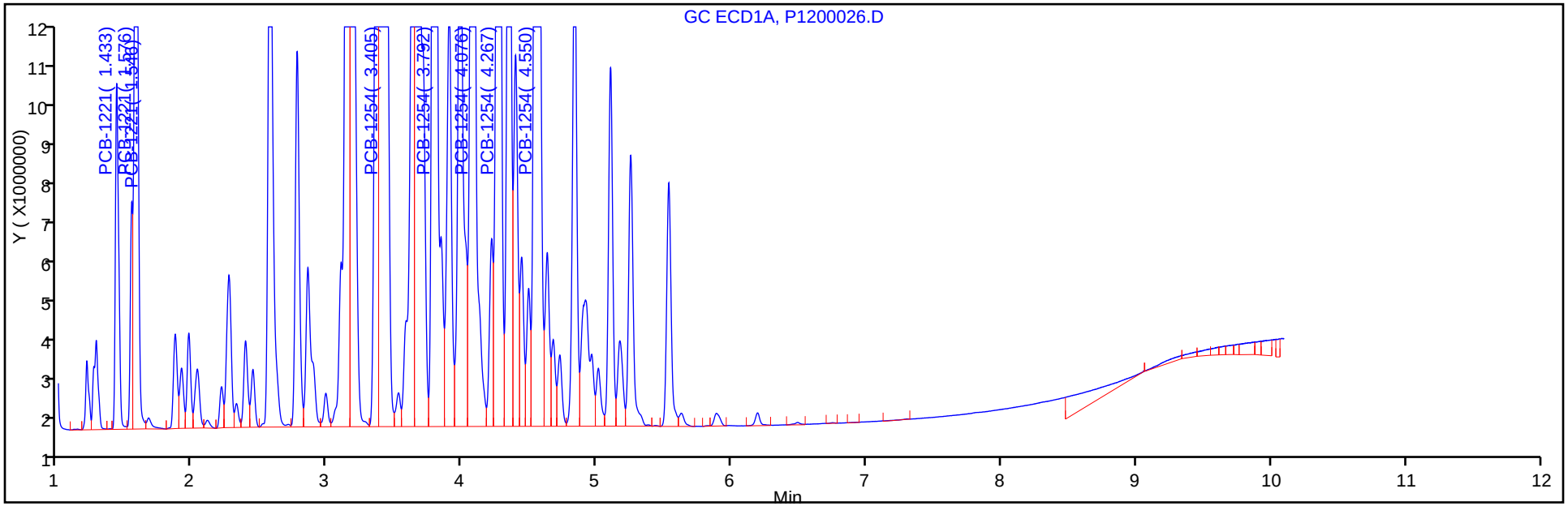
Report Date: 02-Apr-2013 07:00:58 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

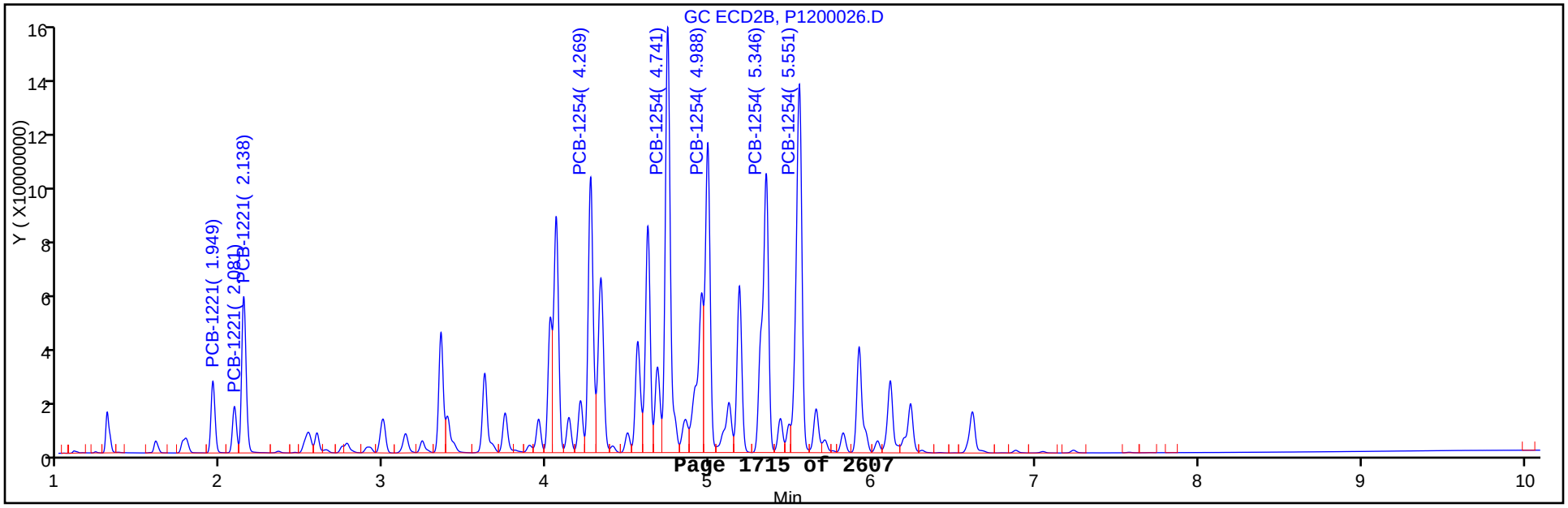
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200026.D

Injection Date:	01-Apr-2013 15:39:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.948	1.949	1.948	1.948	1.947	1.949					1.898 - 1.998	1.948
PCB-1221 Peak 2	2.080	2.081	2.079	2.080	2.080	2.081					2.030 - 2.130	2.080
PCB-1221 Peak 3	2.137	2.138	2.136	2.137	2.137	2.138					2.087 - 2.187	2.137
PCB-1254 Peak 1	4.268	4.268	4.267	4.268	4.267	4.269					4.218 - 4.318	4.268
PCB-1254 Peak 2	4.741	4.742	4.741	4.741	4.741	4.741					4.691 - 4.791	4.741
PCB-1254 Peak 3	4.986	4.988	4.986	4.987	4.987	4.988					4.936 - 5.036	4.987
PCB-1254 Peak 4	5.345	5.346	5.345	5.346	5.346	5.346					5.295 - 5.395	5.346
PCB-1254 Peak 5	5.549	5.550	5.549	5.550	5.550	5.551					5.499 - 5.599	5.550

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.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								
PCB-1221 Peak 1	33011480 23864828	29842880 22114884	27082340	26149998	Ave		27011068.3				15.0		20.0			
PCB-1221 Peak 2	22093920 15943025	20232590 14499344	18597970	17748036	Ave		18185814.2				15.0		20.0			
PCB-1221 Peak 3	79019560 57806106	70358740 53866016	65033860	62467936	Ave		64758703.0				14.0		20.0			
PCB-1254 Peak 1	130000980 103062164	120104260 104219654	112128205	105796170	Ave		112551906				9.5		20.0			
PCB-1254 Peak 2	194568840 163996198	179144960 166218340	173103270	167218722	Ave		174041722				6.6		20.0			
PCB-1254 Peak 3	138598120 113448835	127791140 118418578	121487185	116981382	Ave		122787540				7.4		20.0			
PCB-1254 Peak 4	159441920 131924802	148851830 137867554	141085585	135247254	Ave		142403158				7.1		20.0			
PCB-1254 Peak 5	186898280 156099207	174829570 162933056	167738855	160838970	Ave		168222990				6.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 14:28 Calibration End Date: 04/01/2013 15:39 Calibration ID: 14297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/21	P1200021.D
Level 2	STD01 240-80043/22	P1200022.D
Level 3	STD02 240-80043/23	P1200023.D
Level 4	STD05 240-80043/24	P1200024.D
Level 5	STD1 240-80043/25	P1200025.D
Level 6	STD2 240-80043/26	P1200026.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
PCB-1221 Peak 1	Ave	1650574 44229767	2984288	5416468	13074999	23864828	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	1104696 28998688	2023259	3719594	8874018	15943025	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	3950978 107732032	7035874	13006772	31233968	57806106	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	6500049 208439308	12010426	22425641	52898085	103062164	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	9728442 332436680	17914496	34620654	83609361	163996198	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	6929906 236837156	12779114	24297437	58490691	113448835	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	7972096 275735108	14885183	28217117	67623627	131924802	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	9344914 325866112	17482957	33547771	80419485	156099207	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:28:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018420-021
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 80043 Lims Sample ID: 21
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:50 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

First Level Reviewer: hassl Date: 02-Apr-2013 06:50:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	575074	0.0611		100.0	
1	3	1.544	1.544	0.000	316229	0.0628	34.1- 84.1	55.0	
1	4	1.575	1.575	0.000	1358982	0.0594	214.4- 264.4	236.3	
			Average of Peak Amounts =			0.0611			
2	4	1.948	1.948	0.000	1650574	0.0611		100.0	
2	5	2.080	2.080	0.000	1104696	0.0607	38.7- 98.7	66.9	
2	6	2.137	2.137	0.000	3950978	0.0610	210.1- 270.1	239.4	
			Average of Peak Amounts =			0.0610			
						RPD = 0.25			
8 PCB-1254									
1	100	3.404	3.404	0.000	3692048	0.0631		100.0	
1	2	3.792	3.792	0.000	3694739	0.0613	74.5- 124.5	100.1	
1	3	4.075	4.075	0.000	2823659	0.0561	64.0- 114.0	76.5	
1	4	4.269	4.269	0.000	2589981	0.0598	50.5- 100.5	70.2	
1	5	4.550	4.550	0.000	3633986	0.0586	82.9- 132.9	98.4	
			Average of Peak Amounts =			0.0598			
2	6	4.268	4.268	0.000	6500049	0.0578		100.0	
2	7	4.741	4.741	0.000	9728442	0.0559	124.4- 184.4	149.7	
2	8	4.986	4.986	0.000	6929906	0.0564	78.3- 138.3	106.6	
2	9	5.345	5.345	0.000	7972096	0.0560	95.8- 155.8	122.6	
2	10	5.549	5.549	0.000	9344914	0.0556	119.6- 179.6	143.8	
			Average of Peak Amounts =			0.0563			
						RPD = 5.99			

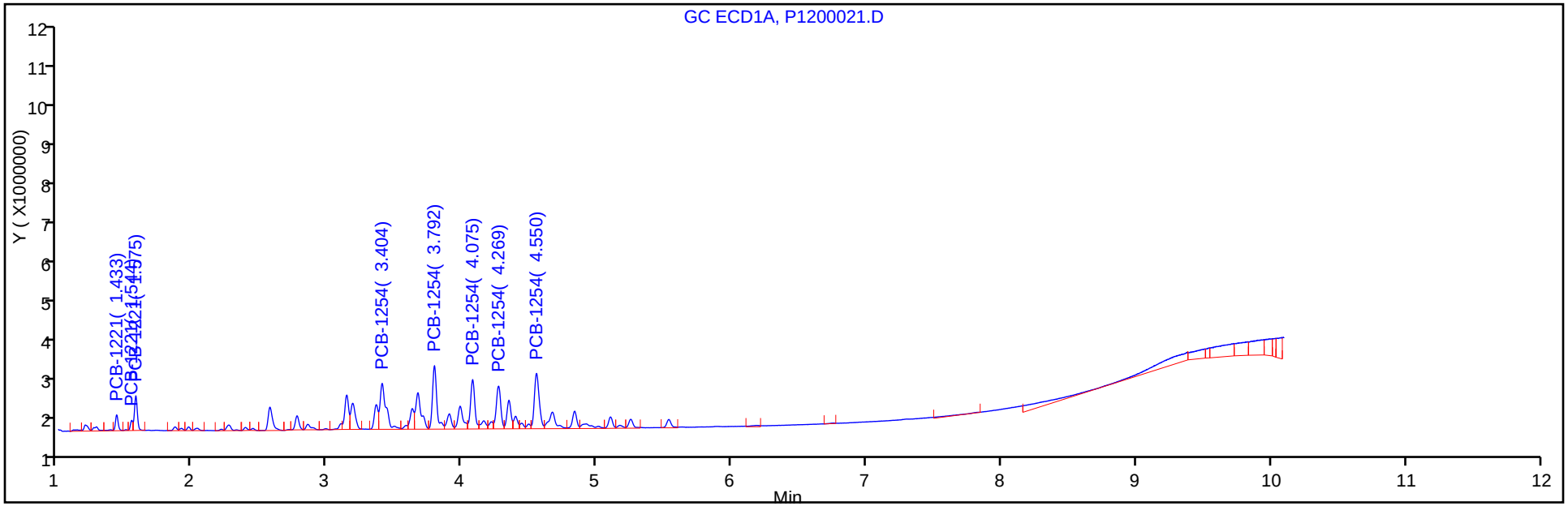
Report Date: 02-Apr-2013 07:00:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

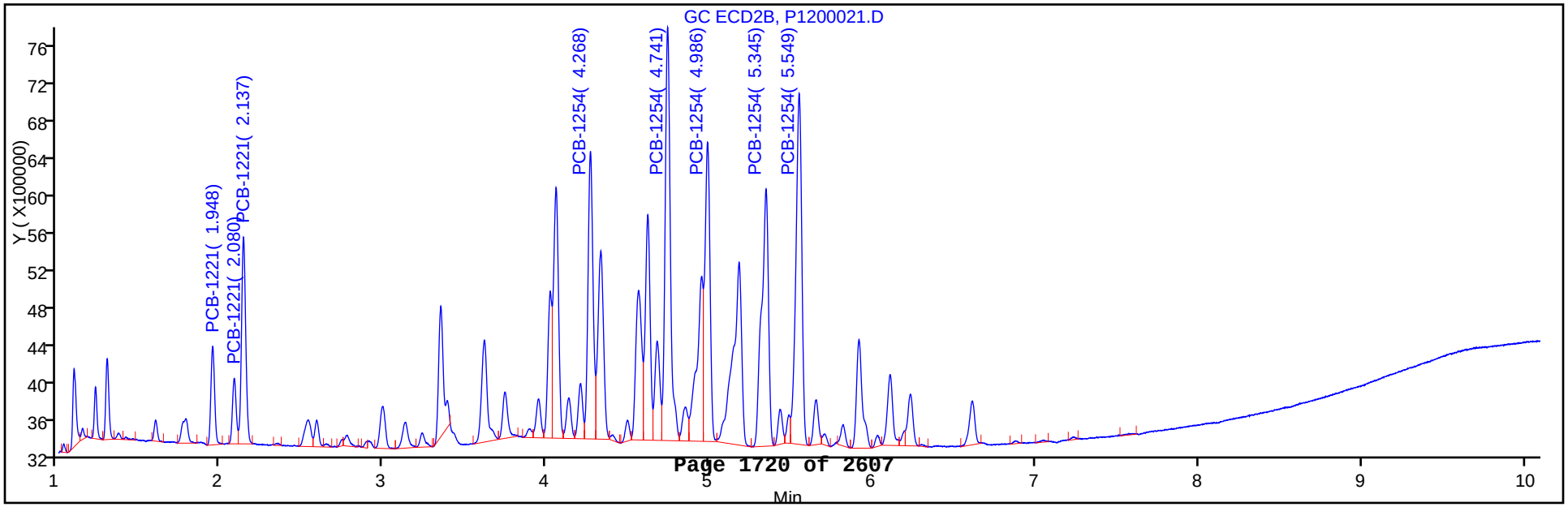
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200021.D

Injection Date:	01-Apr-2013 14:28:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:42:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-022
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 80043 Lims Sample ID: 22
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:52 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	1068403	0.1135		100.0	
1	3	1.545	1.544	0.001	513756	0.1020	34.1- 84.1	48.1	
1	4	1.576	1.575	0.001	2677796	0.1171	214.4- 264.4	250.6	
			Average of Peak Amounts =			0.1109			
2	4	1.949	1.948	0.001	2984288	0.1105		100.0	
2	5	2.081	2.080	0.001	2023259	0.1113	38.7- 98.7	67.8	
2	6	2.138	2.137	0.001	7035874	0.1086	210.1- 270.1	235.8	
			Average of Peak Amounts =			0.1101			
						RPD = 0.67			
8 PCB-1254									
1	100	3.405	3.404	0.001	6442033	0.1101		100.0	
1	2	3.794	3.792	0.002	6857820	0.1138	74.5- 124.5	106.5	
1	3	4.077	4.075	0.002	5554021	0.1103	64.0- 114.0	86.2	
1	4	4.270	4.269	0.001	4771034	0.1102	50.5- 100.5	74.1	
1	5	4.551	4.550	0.001	6753310	0.1089	82.9- 132.9	104.8	
			Average of Peak Amounts =			0.1107			
2	6	4.268	4.268	0.000	12010426	0.1067		100.0	
2	7	4.742	4.741	0.001	17914496	0.1029	124.4- 184.4	149.2	
2	8	4.988	4.986	0.002	12779114	0.1041	78.3- 138.3	106.4	
2	9	5.346	5.345	0.001	14885183	0.1045	95.8- 155.8	123.9	
2	10	5.550	5.549	0.001	17482957	0.1039	119.6- 179.6	145.6	
			Average of Peak Amounts =			0.1044			
						RPD = 5.82			

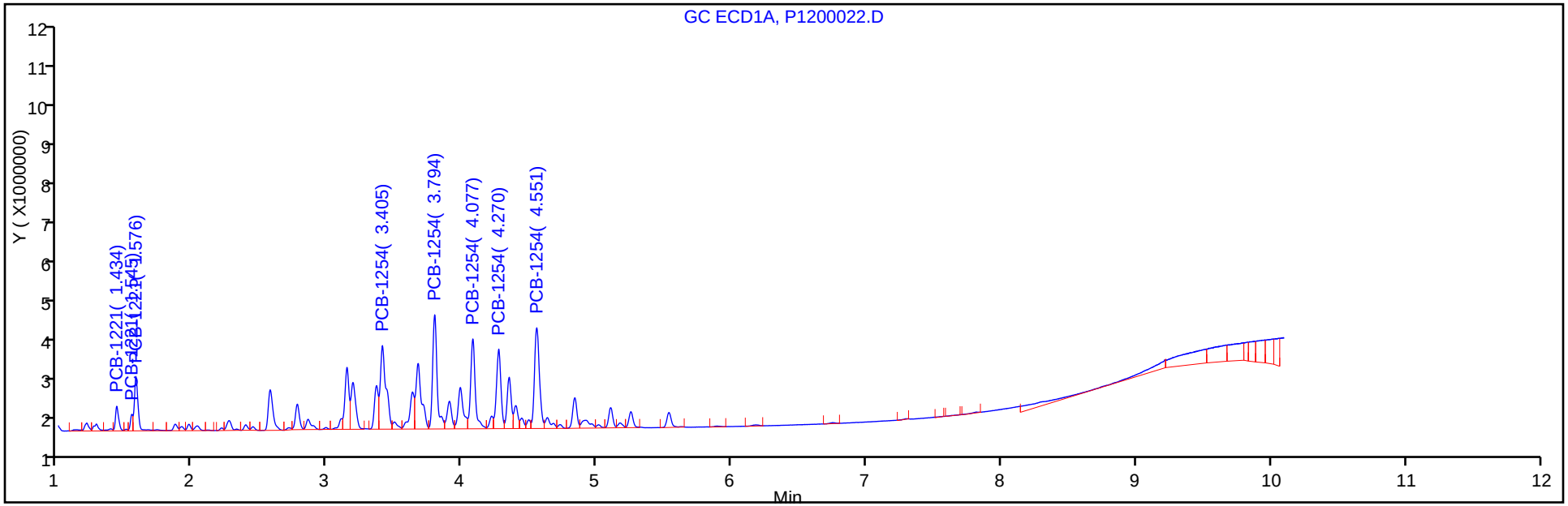
Report Date: 02-Apr-2013 07:00:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

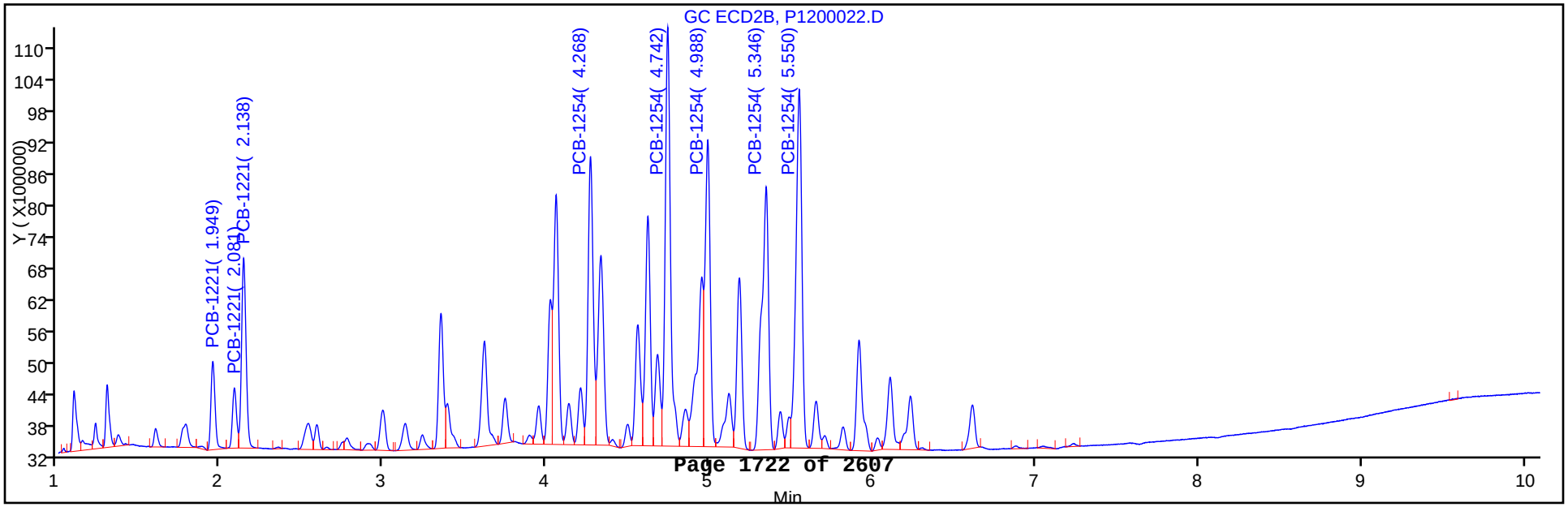
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200022.D

Injection Date:	01-Apr-2013 14:42:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 01-Apr-2013 14:56:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-023
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 80043 Lims Sample ID: 23
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:53 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	1930965	0.2052		100.0	
1	3	1.544	1.544	0.000	1140968	0.2266	34.1- 84.1	59.1	
1	4	1.574	1.575	-0.001	4623547	0.2022	214.4- 264.4	239.4	
			Average of Peak Amounts =			0.2113			
2	4	1.948	1.948	0.000	5416468	0.2005		100.0	
2	5	2.079	2.080	-0.001	3719594	0.2045	38.7- 98.7	68.7	
2	6	2.136	2.137	-0.001	13006772	0.2008	210.1- 270.1	240.1	
			Average of Peak Amounts =			0.2020			
						RPD = 4.51			
8 PCB-1254									
1	100	3.402	3.404	-0.002	11613861	0.1986		100.0	
1	2	3.792	3.792	0.000	11557968	0.1919	74.5- 124.5	99.5	
1	3	4.074	4.075	-0.001	10341920	0.2055	64.0- 114.0	89.0	
1	4	4.267	4.269	-0.002	8766499	0.2025	50.5- 100.5	75.5	
1	5	4.549	4.550	-0.001	12530880	0.2021	82.9- 132.9	107.9	
			Average of Peak Amounts =			0.2001			
2	6	4.267	4.268	-0.001	22425641	0.1992		100.0	
2	7	4.741	4.741	0.000	34620654	0.1989	124.4- 184.4	154.4	
2	8	4.986	4.986	0.000	24297437	0.1979	78.3- 138.3	108.3	
2	9	5.345	5.345	0.000	28217117	0.1981	95.8- 155.8	125.8	
2	10	5.549	5.549	0.000	33547771	0.1994	119.6- 179.6	149.6	
			Average of Peak Amounts =			0.1987			
						RPD = 0.69			

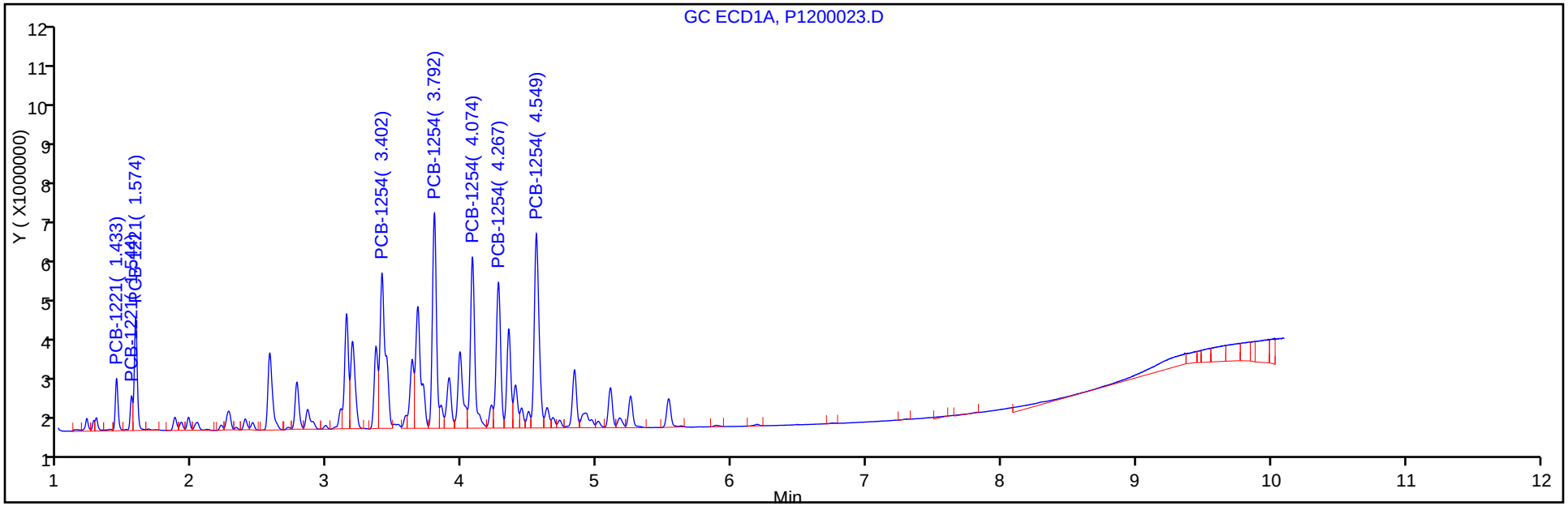
Report Date: 02-Apr-2013 07:00:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

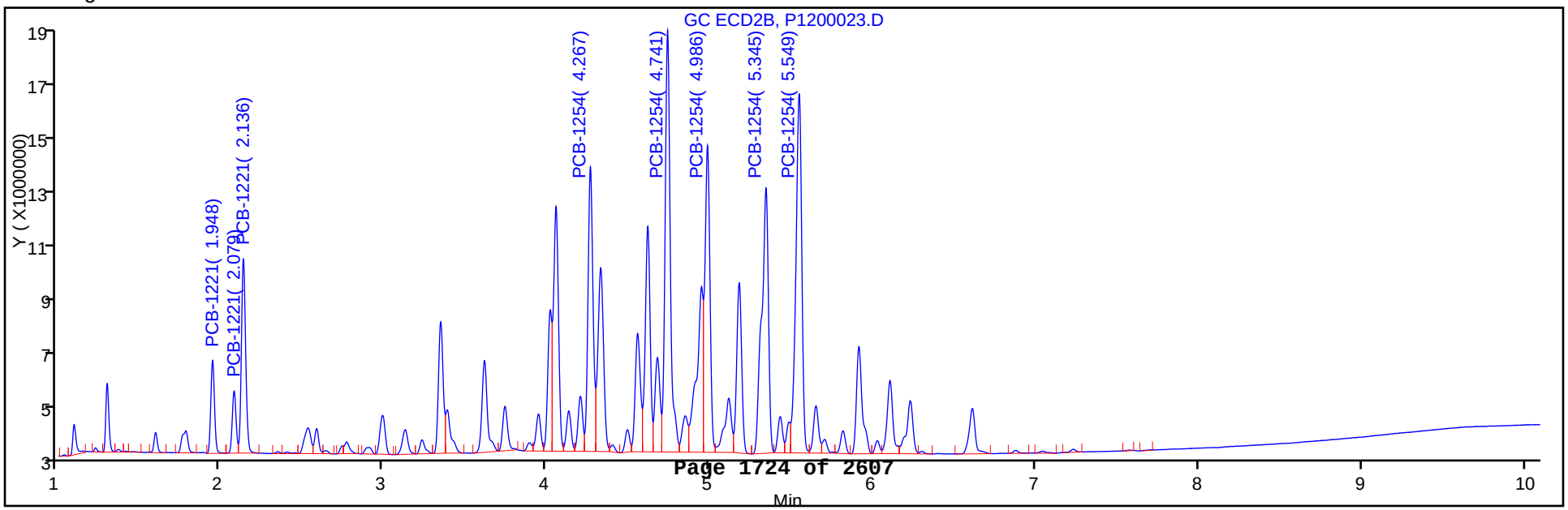
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200023.D

Injection Date:	01-Apr-2013 14:56:57	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:11:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018420-024
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 80043 Lims Sample ID: 24
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:54 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	4326750	0.4597		100.0	
1	3	1.546	1.544	0.002	2430596	0.4826	34.1- 84.1	56.2	
1	4	1.576	1.575	0.001	10590794	0.4631	214.4- 264.4	244.8	
			Average of Peak Amounts =			0.4685			
2	4	1.948	1.948	0.000	13074999	0.4841		100.0	
2	5	2.080	2.080	0.000	8874018	0.4880	38.7- 98.7	67.9	
2	6	2.137	2.137	0.000	31233968	0.4823	210.1- 270.1	238.9	
			Average of Peak Amounts =			0.4848			
						RPD = 3.42			
8 PCB-1254									
1	100	3.404	3.404	0.000	26986291	0.4614		100.0	
1	2	3.792	3.792	0.000	27065026	0.4493	74.5- 124.5	100.3	
1	3	4.074	4.075	-0.001	23981758	0.4764	64.0- 114.0	88.9	
1	4	4.267	4.269	-0.002	20176477	0.4661	50.5- 100.5	74.8	
1	5	4.551	4.550	0.001	29133207	0.4699	82.9- 132.9	108.0	
			Average of Peak Amounts =			0.4646			
2	6	4.268	4.268	0.000	52898085	0.4700		100.0	
2	7	4.741	4.741	0.000	83609361	0.4804	124.4- 184.4	158.1	
2	8	4.987	4.986	0.001	58490691	0.4764	78.3- 138.3	110.6	
2	9	5.346	5.345	0.001	67623627	0.4749	95.8- 155.8	127.8	
2	10	5.550	5.549	0.001	80419485	0.4781	119.6- 179.6	152.0	
			Average of Peak Amounts =			0.4759			
						RPD = 2.41			

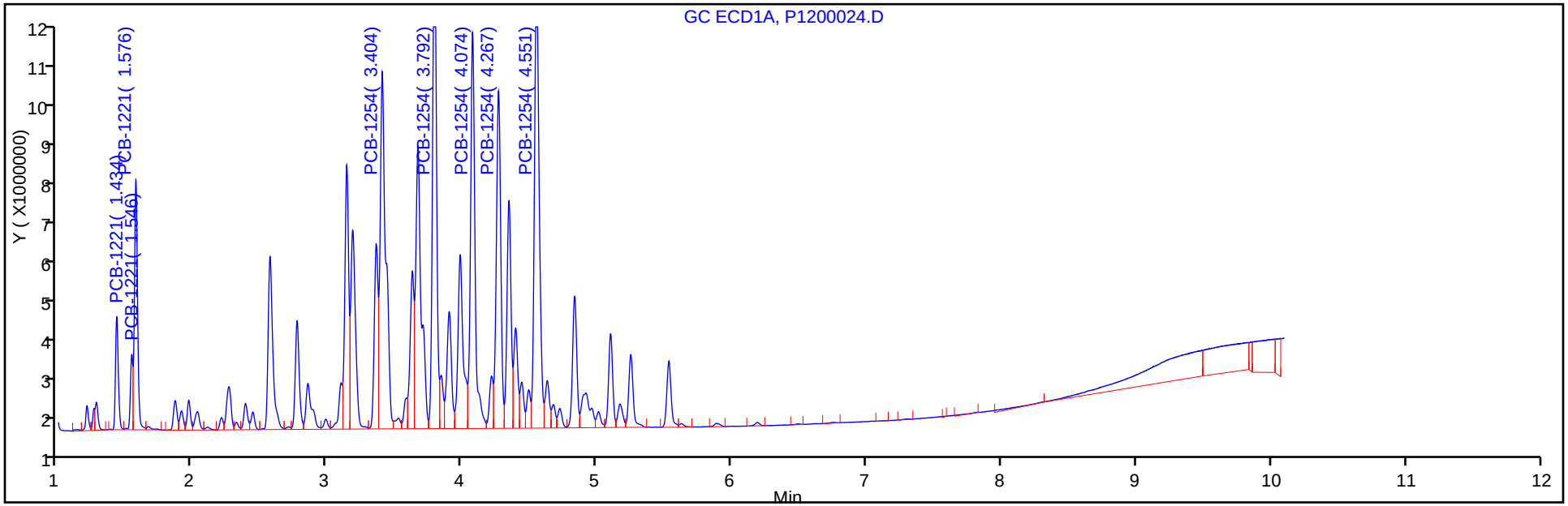
Report Date: 02-Apr-2013 07:00:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

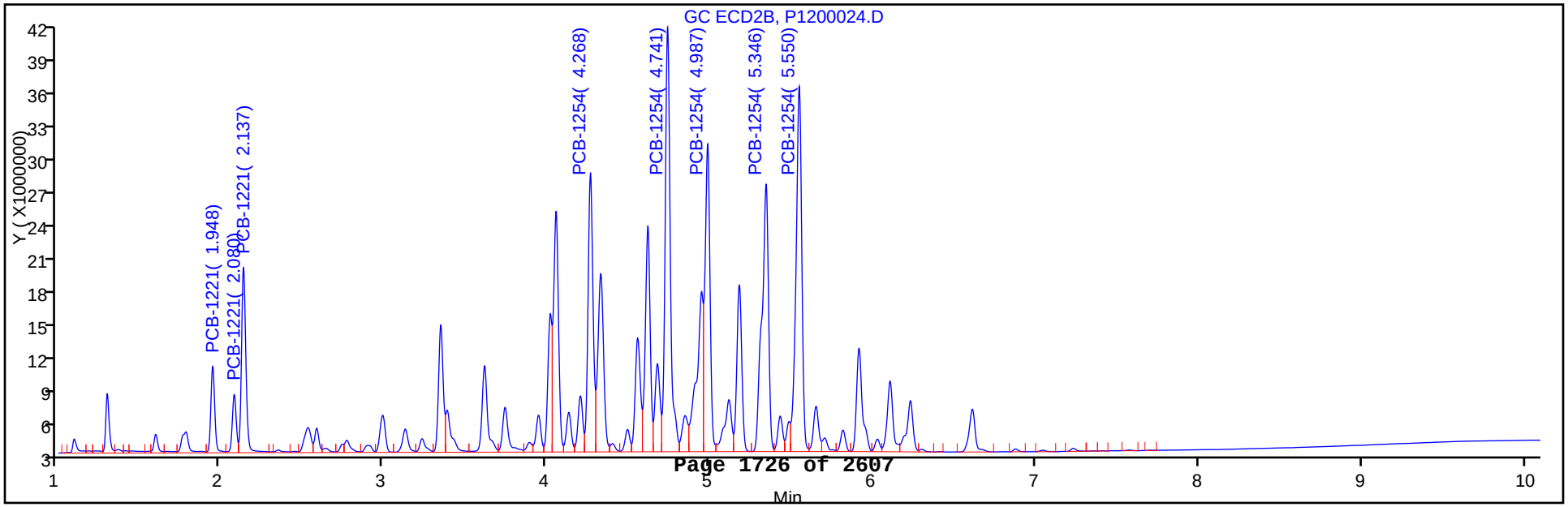
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200024.D

Injection Date:	01-Apr-2013 15:11:30	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:25:43 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-025
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 80043 Lims Sample ID: 25
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:56 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.432	1.433	-0.001	8231620	0.8746		100.0	
1	3	1.544	1.544	0.000	4759943	0.9451	34.1- 84.1	57.8	
1	4	1.574	1.575	-0.001	19710865	0.8619	214.4- 264.4	239.5	
			Average of Peak Amounts =			0.8939			
2	4	1.947	1.948	-0.001	23864828	0.8835		100.0	
2	5	2.080	2.080	0.000	15943025	0.8767	38.7- 98.7	66.8	
2	6	2.137	2.137	0.000	57806106	0.8926	210.1- 270.1	242.2	
			Average of Peak Amounts =			0.8843			
						RPD = 1.08			
8 PCB-1254									
1	100	3.403	3.404	-0.001	50700004	0.8668		100.0	
1	2	3.791	3.792	-0.001	51552740	0.8558	74.5- 124.5	101.7	
1	3	4.074	4.075	-0.001	44782354	0.8897	64.0- 114.0	88.3	
1	4	4.267	4.269	-0.002	38039959	0.8787	50.5- 100.5	75.0	
1	5	4.548	4.550	-0.002	55001113	0.8871	82.9- 132.9	108.5	
			Average of Peak Amounts =			0.8756			
2	6	4.267	4.268	-0.001	103062164	0.9157		100.0	
2	7	4.741	4.741	0.000	163996198	0.9423	124.4- 184.4	159.1	
2	8	4.987	4.986	0.001	113448835	0.9239	78.3- 138.3	110.1	
2	9	5.346	5.345	0.001	131924802	0.9264	95.8- 155.8	128.0	
2	10	5.550	5.549	0.001	156099207	0.9279	119.6- 179.6	151.5	
			Average of Peak Amounts =			0.9273			
						RPD = 5.73			

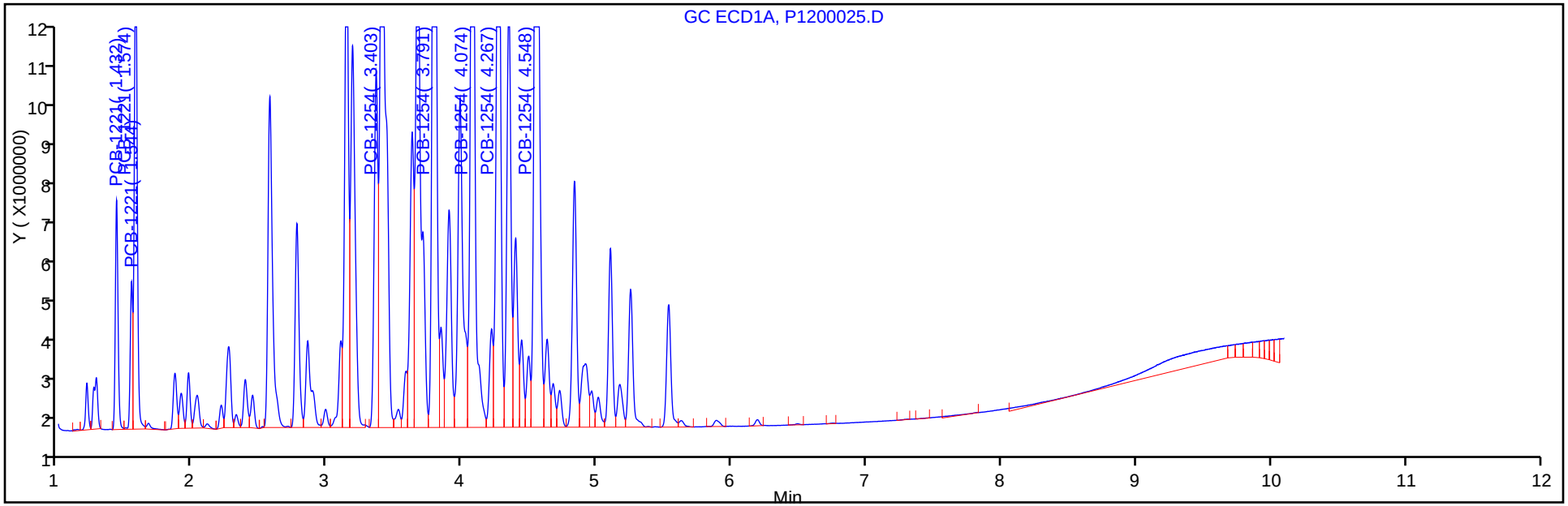
Report Date: 02-Apr-2013 07:00:57 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

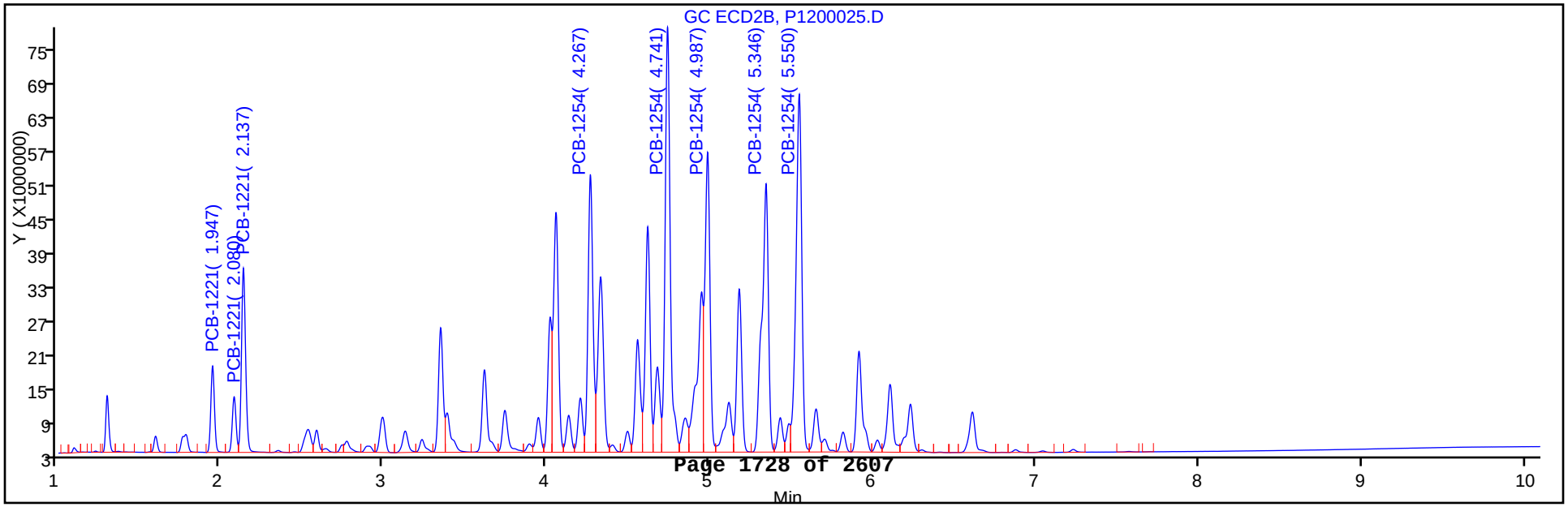
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200025.D

Injection Date:	01-Apr-2013 15:25:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 01-Apr-2013 15:39:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-026
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 80043 Lims Sample ID: 26
Sublist: chrom-PCB12*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:00:57 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.433	1.433	0.000	15495779	1.65		100.0	
1	3	1.546	1.544	0.002	6858200	1.36	34.1- 84.1	44.3	
1	4	1.576	1.575	0.001	38484981	1.68	214.4- 264.4	248.4	
			Average of Peak Amounts =			1.56			
2	4	1.949	1.948	0.001	44229767	1.64		100.0	
2	5	2.081	2.080	0.001	28998688	1.59	38.7- 98.7	65.6	
2	6	2.138	2.137	0.001	107732032	1.66	210.1- 270.1	243.6	
			Average of Peak Amounts =			1.63			
						RPD = 4.27			
8 PCB-1254									
1	100	3.405	3.404	0.001	99874301	1.71		100.0	
1	2	3.792	3.792	0.000	110972435	1.84	74.5- 124.5	111.1	
1	3	4.076	4.075	0.001	91078372	1.81	64.0- 114.0	91.2	
1	4	4.267	4.269	-0.002	76007205	1.76	50.5- 100.5	76.1	
1	5	4.550	4.550	0.000	111723115	1.80	82.9- 132.9	111.9	
			Average of Peak Amounts =			1.78			
2	6	4.269	4.268	0.001	208439308	1.85		100.0	
2	7	4.741	4.741	0.000	332436680	1.91	124.4- 184.4	159.5	
2	8	4.988	4.986	0.002	236837156	1.93	78.3- 138.3	113.6	
2	9	5.346	5.345	0.001	275735108	1.94	95.8- 155.8	132.3	
2	10	5.551	5.549	0.002	325866112	1.94	119.6- 179.6	156.3	
			Average of Peak Amounts =			1.91			
						RPD = 7.00			

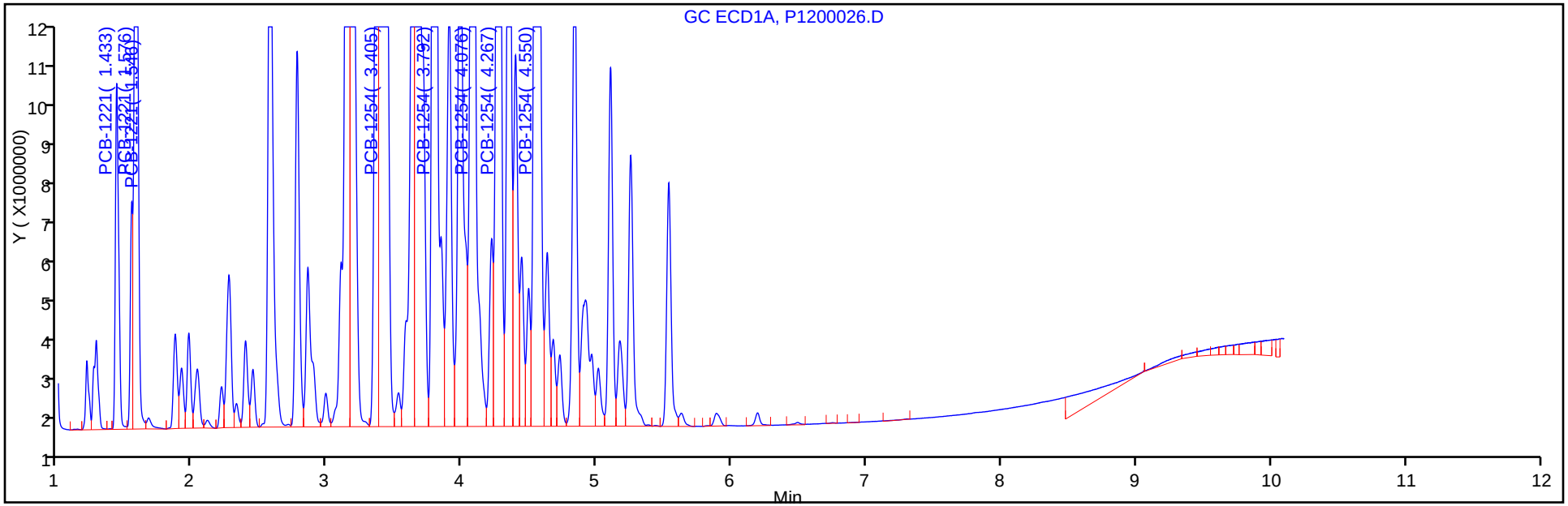
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TestAmerica Canton

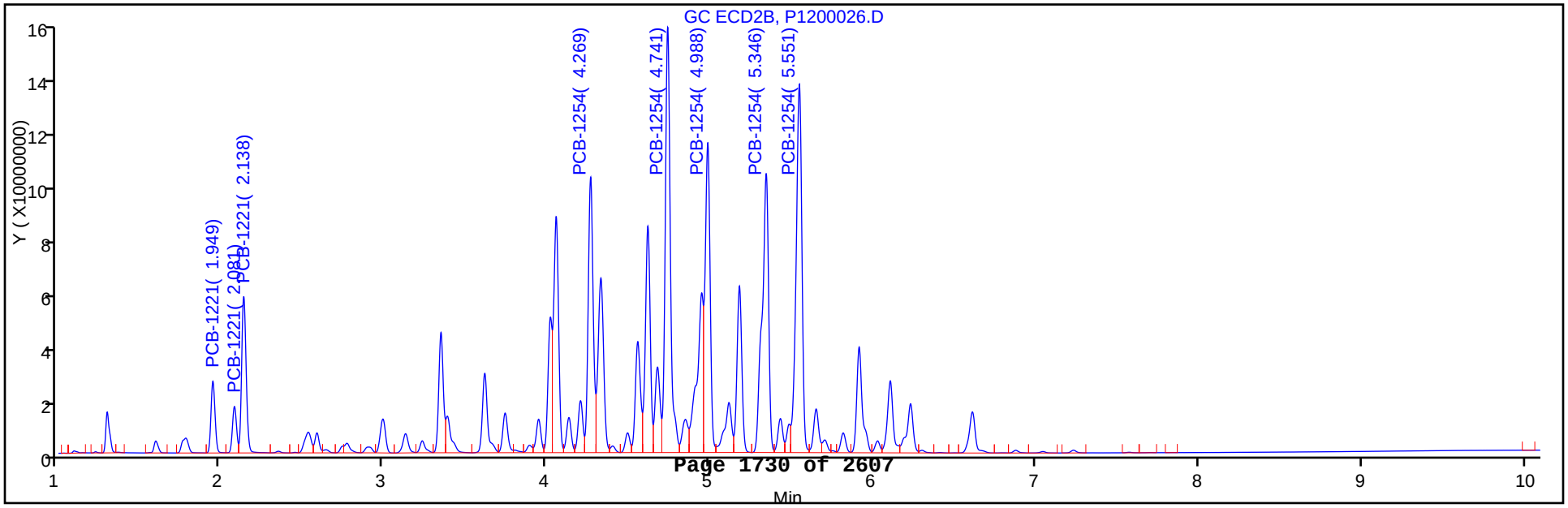
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200026.D

Injection Date:	01-Apr-2013 15:39:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	1.575	1.576	1.575	1.576	1.576	1.575					1.526 - 1.626	1.576
PCB-1016 Peak 2	1.864	1.865	1.865	1.867	1.866	1.865					1.817 - 1.917	1.865
PCB-1016 Peak 3	2.265	2.266	2.266	2.267	2.267	2.266					2.217 - 2.317	2.266
PCB-1016 Peak 4	2.388	2.389	2.387	2.389	2.389	2.388					2.339 - 2.439	2.388
PCB-1016 Peak 5	2.773	2.773	2.773	2.774	2.775	2.773					2.724 - 2.824	2.774
PCB-1260 Peak 1	3.982	3.982	3.981	3.982	3.983	3.982					3.932 - 4.032	3.982
PCB-1260 Peak 2	4.269	4.268	4.268	4.270	4.269	4.269					4.220 - 4.320	4.269
PCB-1260 Peak 3	4.548	4.547	4.548	4.549	4.549	4.548					4.499 - 4.599	4.548
PCB-1260 Peak 4	5.247	5.247	5.247	5.249	5.248	5.248					5.199 - 5.299	5.248
PCB-1260 Peak 5	5.529	5.530	5.531	5.532	5.530	5.531					5.482 - 5.582	5.531
Tetrachloro-m-xylene	1.298	1.297	1.297	1.297	1.298	1.298					1.247 - 1.347	1.298
DCB Decachlorobiphenyl	6.682	6.681	6.681	6.682	6.682	6.682					6.632 - 6.732	6.682

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.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								
PCB-1016 Peak 1	20268260 13966606	17549330 12827994	16385150	16119282	Ave		16186103.7				16.0		20.0			
PCB-1016 Peak 2	36100720 26274663	33495660 24272824	31215420	29092790	Ave		30075346.1				15.0		20.0			
PCB-1016 Peak 3	75073340 55817578	70450420 56033971	62542855	63979180	Ave		63982890.6				12.0		20.0			
PCB-1016 Peak 4	31950120 24058106	29352870 22699672	27683525	26378504	Ave		27020466.2				13.0		20.0			
PCB-1016 Peak 5	33846060 24952974	30663780 23553688	29175610	27328022	Ave		28253355.7				13.0		20.0			
PCB-1260 Peak 1	50703560 39185619	48055800 37325108	44553100	41765966	Ave		43598192.2				12.0		20.0			
PCB-1260 Peak 2	98260360 78767064	93960770 75055256	87810800	82878396	Ave		86122107.7				10.0		20.0			
PCB-1260 Peak 3	94585860 78054512	91375280 74748755	86165575	81745344	Ave		84445887.7				9.1		20.0			
PCB-1260 Peak 4	125878340 113301191	125307540 109295014	119979735	116152624	Ave		118319074				5.6		20.0			
PCB-1260 Peak 5	61638100 52775219	60527760 50524896	57586900	53692668	Ave		56124257.1				8.0		20.0			
Tetrachloro-m-xylene	1288281600 890920380	970693400 811157060	1000202300	923857800	Ave		980852090				17.0		20.0			
DCB Decachlorobiphenyl	1241072000 972674920	1022457200 911040920	1025521400	947257760	Ave		1020004033				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.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
PCB-1016 Peak 1	Ave	1013413 25655988	1754933	3277030	8059641	13966606	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	1805036 48545647	3349566	6243084	14546395	26274663	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	3753667 112067941	7045042	12508571	31989590	55817578	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	1597506 45399344	2935287	5536705	13189252	24058106	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1692303 47107376	3066378	5835122	13664011	24952974	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	2535178 74650216	4805580	8910620	20882983	39185619	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	4913018 150110512	9396077	17562160	41439198	78767064	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	4729293 149497510	9137528	17233115	40872672	78054512	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	6293917 218590027	12530754	23995947	58076312	113301191	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	3081905 101049791	6052776	11517380	26846334	52775219	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	3220704 81115706	4853467	10002023	23096445	44546019	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	3102680 91104092	5112286	10255214	23681444	48633746	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	01-Apr-2013 15:53:55	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018420-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	80043	Lims Sample ID:	27
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:00:58	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:57:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	3220704	0.003284			
2	2	1.669	1.670	-0.001	8036091	0.003010			
						RPD = 8.68			
6 PCB-1016									
1	100	1.575	1.576	-0.001	1013413	0.0626		100.0	
1	2	1.864	1.867	-0.003	1805036	0.0600	165.5- 215.5	178.1	
1	3	2.265	2.267	-0.002	3753667	0.0587	356.7- 406.7	370.4	
1	4	2.388	2.389	-0.001	1597506	0.0591	144.0- 194.0	157.6	
1	5	2.773	2.774	-0.001	1692303	0.0599	153.1- 203.1	167.0	
			Average of Peak Amounts =			0.0601			
2	6	2.137	2.137	0.000	2827331	0.0624		100.0	
2	7	2.537	2.537	0.000	5197213	0.0594	165.6- 225.6	183.8	
2	8	2.992	2.992	0.000	9923551	0.0546	366.1- 426.1	351.0	
2	9	3.131	3.131	0.000	4575977	0.0578	144.6- 204.6	161.8	
2	10	3.617	3.617	0.000	4157381	0.0631	112.9- 172.9	147.0	
			Average of Peak Amounts =			0.0594			
						RPD = 1.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	2535178	0.0581		100.0	
1	2	4.269	4.270	-0.001	4913018	0.0570	172.1- 222.1	193.8	
1	3	4.548	4.549	-0.001	4729293	0.0560	168.4- 218.4	186.5	
1	4	5.247	5.249	-0.002	6293917	0.0532	244.3- 294.3	248.3	
1	5	5.529	5.532	-0.003	3081905	0.0549	104.3- 154.3	121.6	
			Average of Peak Amounts =			0.0559			
2	6	4.950	4.951	-0.001	7127457	0.0549		100.0	
2	7	5.181	5.182	-0.001	7928500	0.0546	80.1- 140.1	111.2	
2	8	5.546	5.547	-0.001	12267735	0.0531	146.6- 206.6	172.1	
2	9	6.231	6.232	-0.001	14050553	0.0523	174.1- 234.1	197.1	
2	10	6.610	6.611	-0.001	10831595	0.0541	121.8- 181.8	152.0	
			Average of Peak Amounts =			0.0538			
						RPD = 3.78			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	3102680	0.003042			
2	2	7.841	7.842	-0.001	9239527	0.003123			
						RPD = 2.64			

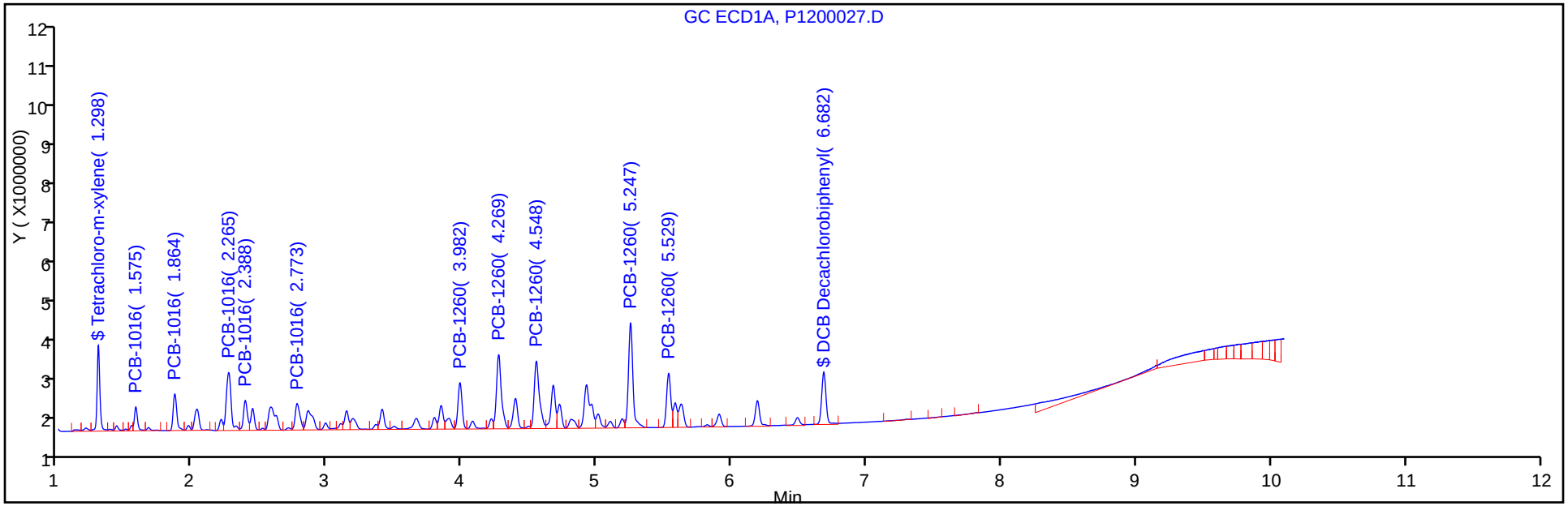
Report Date: 02-Apr-2013 07:00:59 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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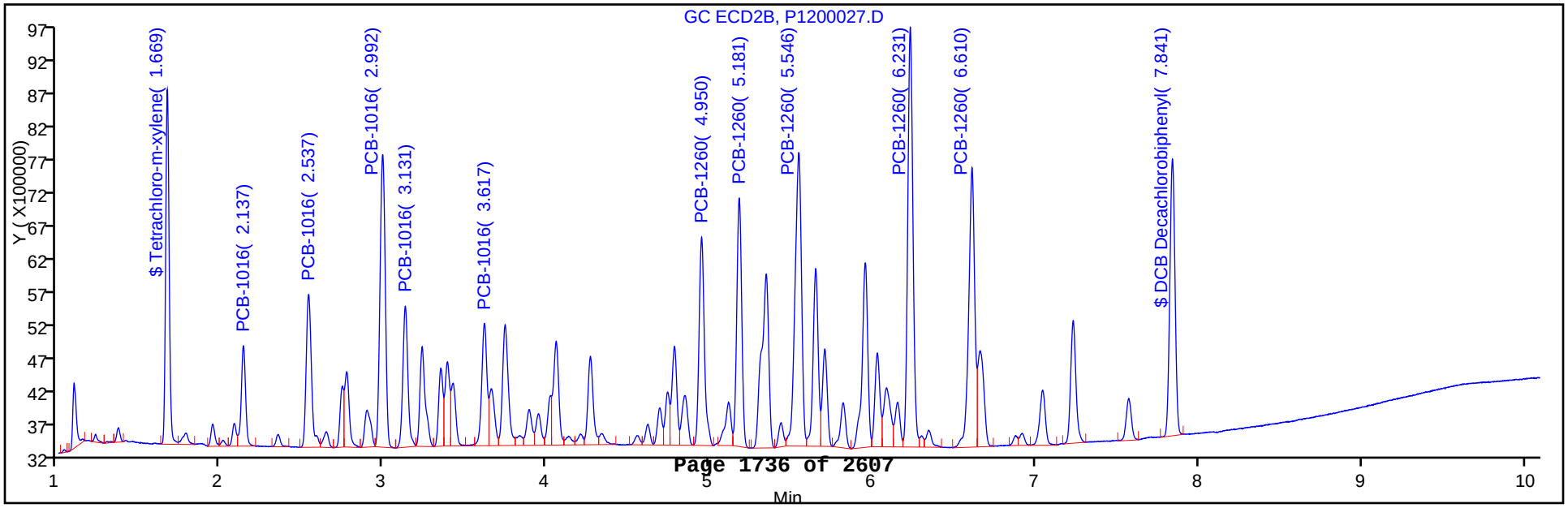
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200027.D

Injection Date:	01-Apr-2013 15:53:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200028.D
Lims ID: STD01 1660 Client ID:
Inject. Date: 01-Apr-2013 16:08:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-028
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 80043 Lims Sample ID: 28
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:00 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	4853467	0.004948			
2	2	1.670	1.670	0.000	12911045	0.004837			
						RPD = 2.28			
6 PCB-1016									
1	100	1.576	1.576	0.000	1754933	0.1084		100.0	
1	2	1.865	1.867	-0.002	3349566	0.1114	165.5- 215.5	190.9	
1	3	2.266	2.267	-0.001	7045042	0.1101	356.7- 406.7	401.4	
1	4	2.389	2.389	0.000	2935287	0.1086	144.0- 194.0	167.3	
1	5	2.773	2.774	-0.001	3066378	0.1085	153.1- 203.1	174.7	
			Average of Peak Amounts =			0.1094			
2	6	2.136	2.137	-0.001	5003938	0.1105		100.0	
2	7	2.536	2.537	-0.001	9626665	0.1100	165.6- 225.6	192.4	
2	8	2.992	2.992	0.000	18793064	0.1033	366.1- 426.1	375.6	
2	9	3.131	3.131	0.000	8444951	0.1066	144.6- 204.6	168.8	
2	10	3.616	3.617	-0.001	7322022	0.1111	112.9- 172.9	146.3	
			Average of Peak Amounts =			0.1083			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	4805580	0.1102		100.0	
1	2	4.268	4.270	-0.002	9396077	0.1091	172.1- 222.1	195.5	
1	3	4.547	4.549	-0.002	9137528	0.1082	168.4- 218.4	190.1	
1	4	5.247	5.249	-0.002	12530754	0.1059	244.3- 294.3	260.8	
1	5	5.530	5.532	-0.002	6052776	0.1078	104.3- 154.3	126.0	
			Average of Peak Amounts =			0.1083			
2	6	4.950	4.951	-0.001	13877603	0.1069		100.0	
2	7	5.181	5.182	-0.001	15562865	0.1071	80.1- 140.1	112.1	
2	8	5.546	5.547	-0.001	24203403	0.1047	146.6- 206.6	174.4	
2	9	6.232	6.232	0.000	27866839	0.1037	174.1- 234.1	200.8	
2	10	6.610	6.611	-0.001	21431673	0.1071	121.8- 181.8	154.4	
			Average of Peak Amounts =			0.1059			
						RPD = 2.21			
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.682	-0.001	5112286	0.005012			
2	2	7.841	7.842	-0.001	15429937	0.005216			
						RPD = 3.98			

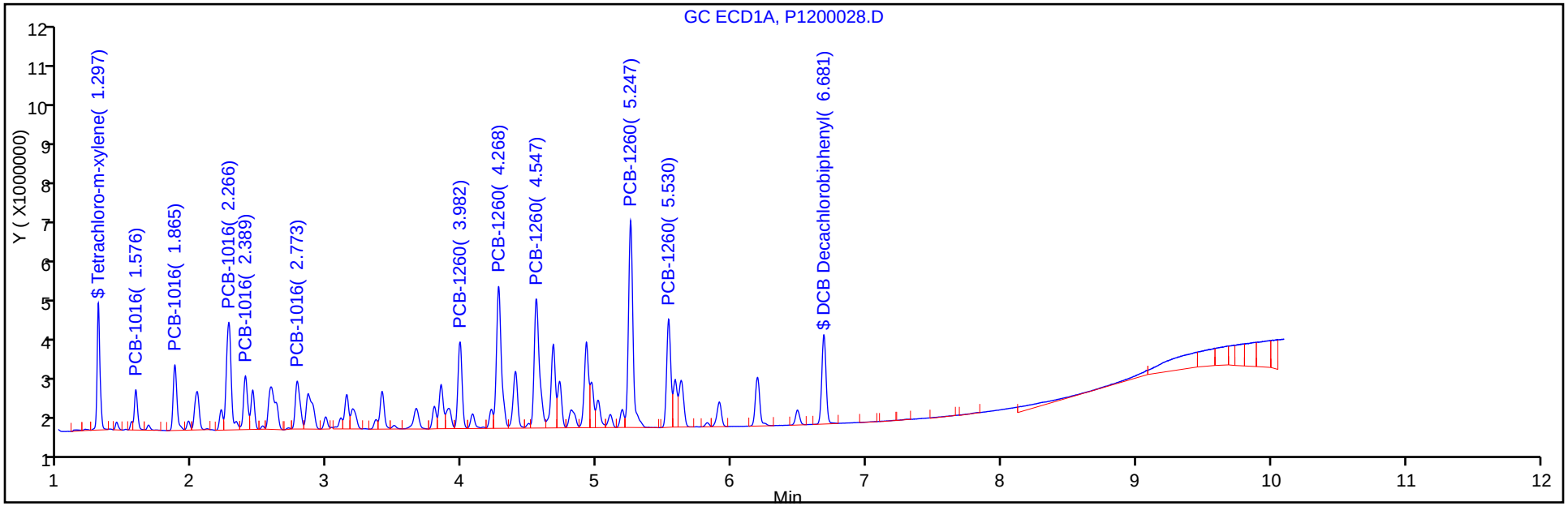
Report Date: 02-Apr-2013 07:01:01 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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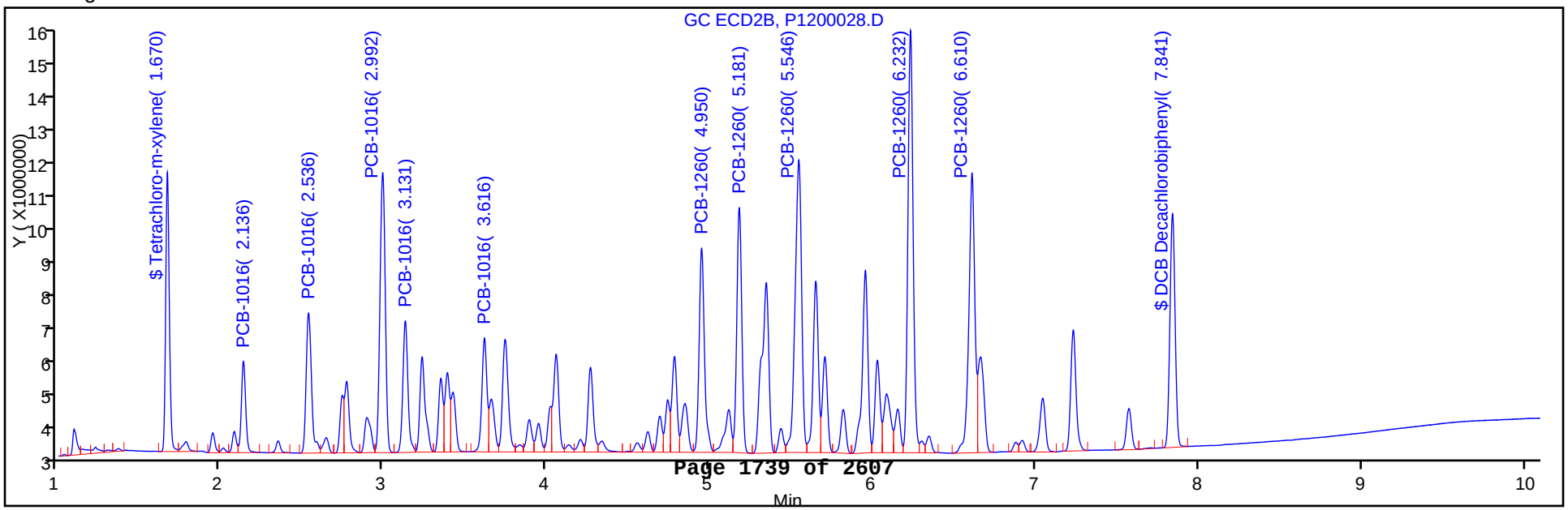
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200028.D

Injection Date:	01-Apr-2013 16:08:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200029.D
Lims ID: STD02 1660 Client ID:
Inject. Date: 01-Apr-2013 16:22:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018420-029
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 80043 Lims Sample ID: 29
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:02 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	10002023	0.0102			
2	2	1.669	1.670	-0.001	26046599	0.009757			
						RPD = 4.41			
6 PCB-1016									
1	100	1.575	1.576	-0.001	3277030	0.2025		100.0	
1	2	1.865	1.867	-0.002	6243084	0.2076	165.5- 215.5	190.5	
1	3	2.266	2.267	-0.001	12508571	0.1955	356.7- 406.7	381.7	
1	4	2.387	2.389	-0.002	5536705	0.2049	144.0- 194.0	169.0	
1	5	2.773	2.774	-0.001	5835122	0.2065	153.1- 203.1	178.1	
			Average of Peak Amounts =			0.2034			
2	6	2.136	2.137	-0.001	9204649	0.2032		100.0	
2	7	2.536	2.537	-0.001	18004295	0.2058	165.6- 225.6	195.6	
2	8	2.992	2.992	0.000	36461517	0.2004	366.1- 426.1	396.1	
2	9	3.131	3.131	0.000	16069361	0.2029	144.6- 204.6	174.6	
2	10	3.617	3.617	0.000	13152466	0.1996	112.9- 172.9	142.9	
			Average of Peak Amounts =			0.2024			
						RPD = 0.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.981	3.982	-0.001	8910620	0.2044		100.0	
1	2	4.268	4.270	-0.002	17562160	0.2039	172.1- 222.1	197.1	
1	3	4.548	4.549	-0.001	17233115	0.2041	168.4- 218.4	193.4	
1	4	5.247	5.249	-0.002	23995947	0.2028	244.3- 294.3	269.3	
1	5	5.531	5.532	-0.001	11517380	0.2052	104.3- 154.3	129.3	
			Average of Peak Amounts =			0.2041			
2	6	4.951	4.951	0.000	26263179	0.2022		100.0	
2	7	5.181	5.182	-0.001	28928326	0.1991	80.1- 140.1	110.1	
2	8	5.547	5.547	0.000	46386377	0.2007	146.6- 206.6	176.6	
2	9	6.231	6.232	-0.001	53606777	0.1995	174.1- 234.1	204.1	
2	10	6.611	6.611	0.000	39868093	0.1992	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2001			
						RPD = 1.95			
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.682	-0.001	10255214	0.0101			
2	2	7.841	7.842	-0.001	29665889	0.0100			
						RPD = 0.26			

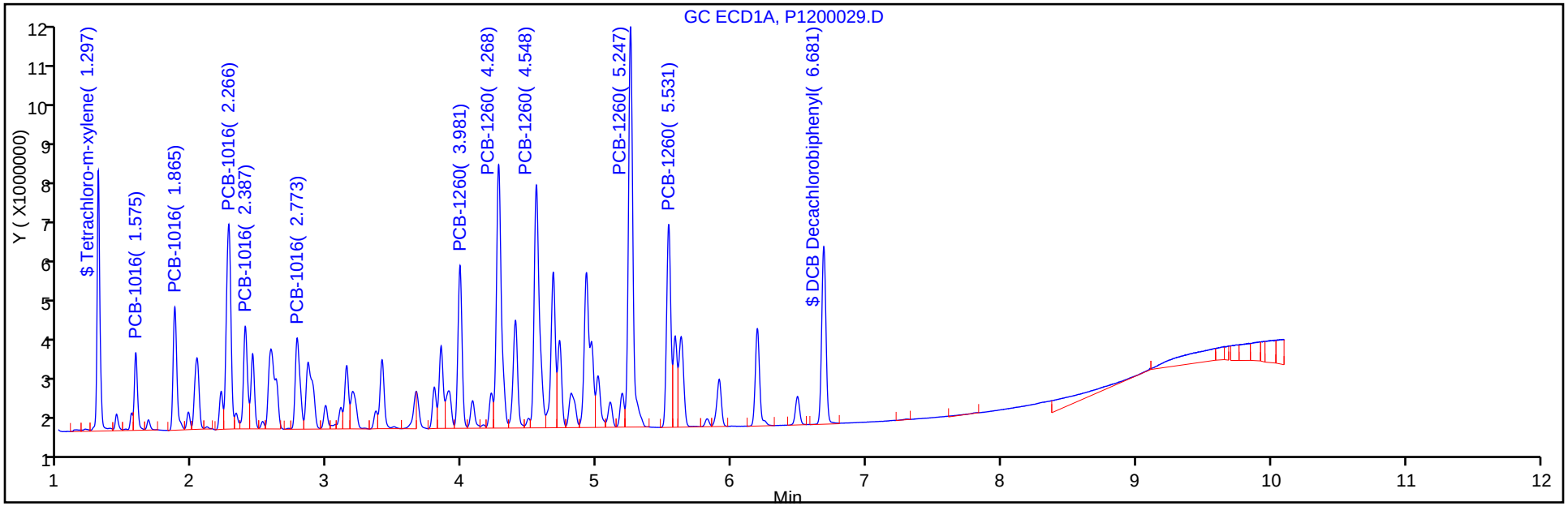
Report Date: 02-Apr-2013 07:01:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

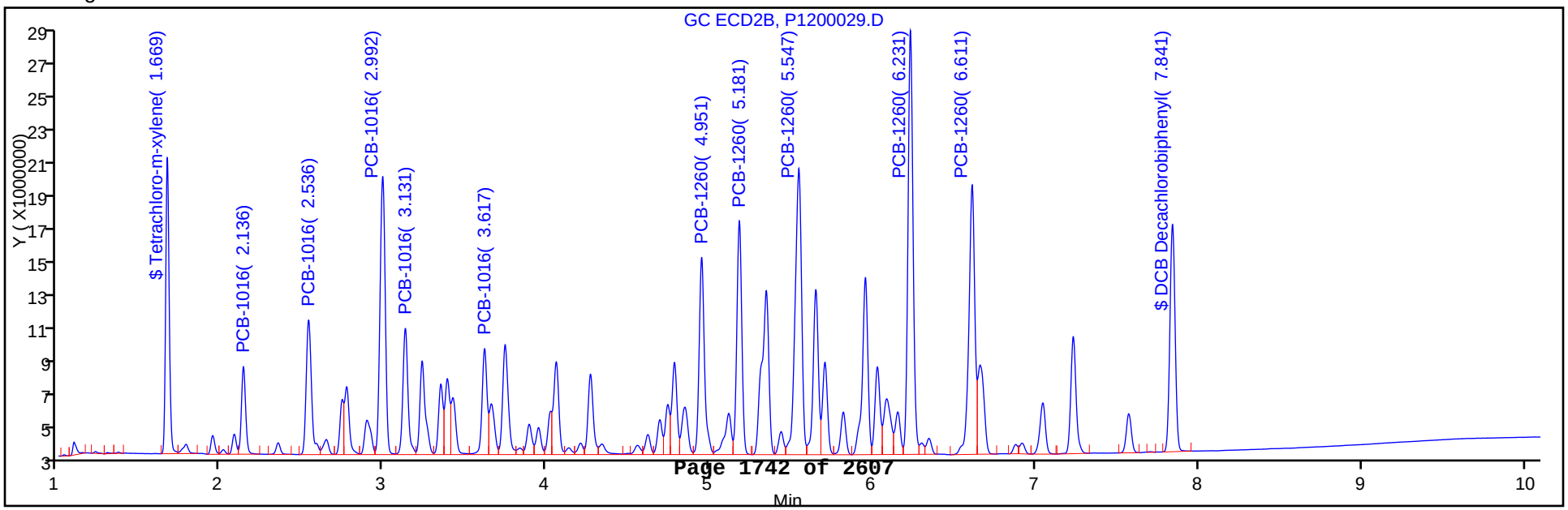
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Injection Date:	01-Apr-2013 16:22:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200030.D
Lims ID: STD05 1660 Client ID:
Inject. Date: 01-Apr-2013 16:36:20 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 4
Sample ID: 240-0018420-030
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 80043 Lims Sample ID: 30
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:05 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	23096445	0.0235			
2	2	1.670	1.670	0.000	63122604	0.0236			
						RPD = 0.42			
6 PCB-1016									
1	100	1.576	1.576	0.000	8059641	0.4979		100.0	
1	2	1.867	1.867	0.000	14546395	0.4837	165.5- 215.5	180.5	
1	3	2.267	2.267	0.000	31989590	0.5000	356.7- 406.7	396.9	
1	4	2.389	2.389	0.000	13189252	0.4881	144.0- 194.0	163.6	
1	5	2.774	2.774	0.000	13664011	0.4836	153.1- 203.1	169.5	
			Average of Peak Amounts =			0.4907			
2	6	2.137	2.137	0.000	21094722	0.4657		100.0	
2	7	2.537	2.537	0.000	41495741	0.4743	165.6- 225.6	196.7	
2	8	2.992	2.992	0.000	89383091	0.4914	366.1- 426.1	423.7	
2	9	3.131	3.131	0.000	37993571	0.4797	144.6- 204.6	180.1	
2	10	3.617	3.617	0.000	30174905	0.4580	112.9- 172.9	143.0	
			Average of Peak Amounts =			0.4738			
						RPD = 3.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	20882983	0.4790		100.0	
1	2	4.270	4.270	0.000	41439198	0.4812	172.1- 222.1	198.4	
1	3	4.549	4.549	0.000	40872672	0.4840	168.4- 218.4	195.7	
1	4	5.249	5.249	0.000	58076312	0.4908	244.3- 294.3	278.1	
1	5	5.532	5.532	0.000	26846334	0.4783	104.3- 154.3	128.6	
			Average of Peak Amounts =			0.4827			
2	6	4.951	4.951	0.000	62561490	0.4817		100.0	
2	7	5.182	5.182	0.000	70356206	0.4843	80.1- 140.1	112.5	
2	8	5.547	5.547	0.000	112947889	0.4886	146.6- 206.6	180.5	
2	9	6.232	6.232	0.000	131401321	0.4889	174.1- 234.1	210.0	
2	10	6.611	6.611	0.000	96690545	0.4831	121.8- 181.8	154.6	
			Average of Peak Amounts =			0.4853			
						RPD = 0.55			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	23681444	0.0232			
2	2	7.842	7.842	0.000	67144069	0.0227			
						RPD = 2.27			

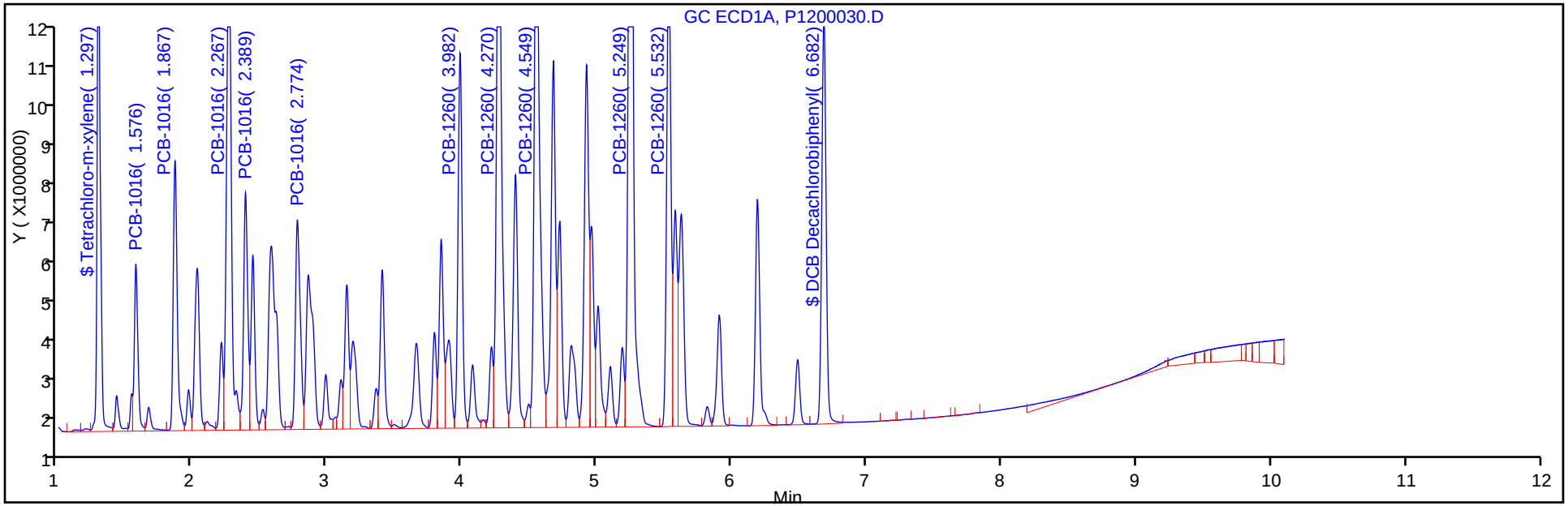
Report Date: 02-Apr-2013 07:01:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

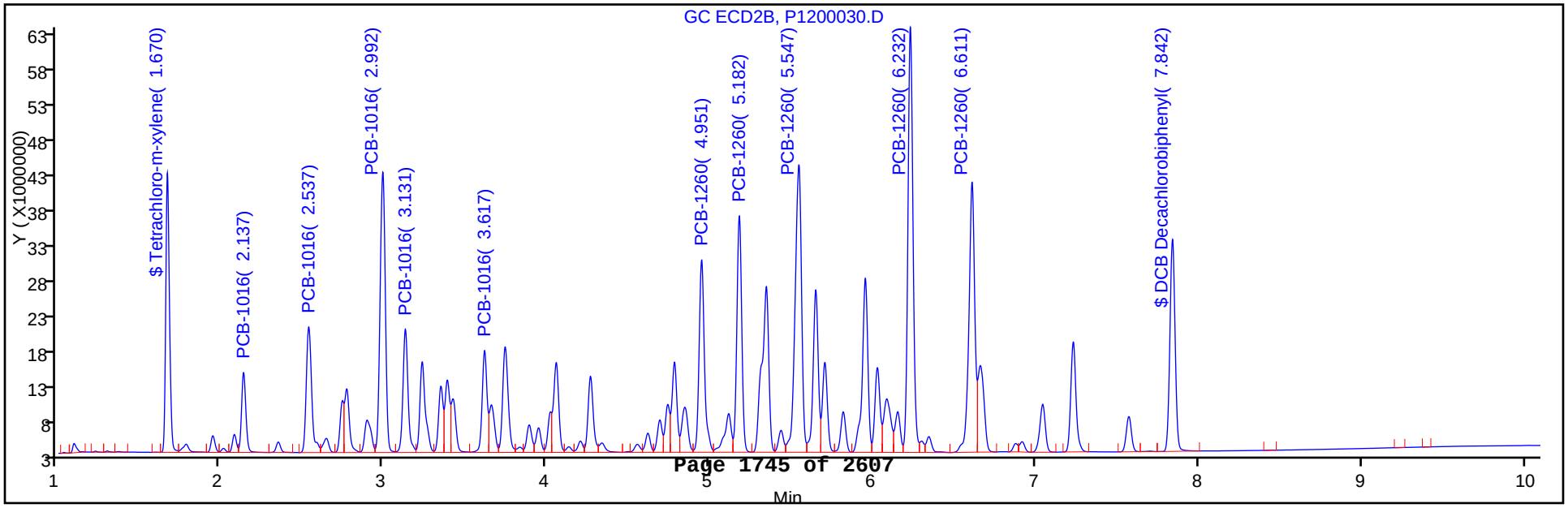
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Injection Date:	01-Apr-2013 16:36:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200031.D		
Lims ID:	STD1 1660	Client ID:	
Inject. Date:	01-Apr-2013 16:50:56	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0018420-031		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	80043	Lims Sample ID:	31
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:07	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	44546019	0.0454			
2	2	1.669	1.670	-0.001	130621169	0.0489			
						RPD = 7.45			
6 PCB-1016									
1	100	1.576	1.576	0.000	13966606	0.8629		100.0	
1	2	1.866	1.867	-0.001	26274663	0.8736	165.5- 215.5	188.1	
1	3	2.267	2.267	0.000	55817578	0.8724	356.7- 406.7	399.7	
1	4	2.389	2.389	0.000	24058106	0.8904	144.0- 194.0	172.3	
1	5	2.775	2.774	0.001	24952974	0.8832	153.1- 203.1	178.7	
			Average of Peak Amounts =			0.8765			
2	6	2.136	2.137	-0.001	39936674	0.8816		100.0	
2	7	2.536	2.537	-0.001	78636693	0.8988	165.6- 225.6	196.9	
2	8	2.992	2.992	0.000	174347268	0.9585	366.1- 426.1	436.6	
2	9	3.130	3.131	-0.001	72864607	0.9199	144.6- 204.6	182.5	
2	10	3.617	3.617	0.000	57801890	0.8773	112.9- 172.9	144.7	
			Average of Peak Amounts =			0.9072			
						RPD = 3.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.982	0.001	39185619	0.8988		100.0	
1	2	4.269	4.270	-0.001	78767064	0.9146	172.1- 222.1	201.0	
1	3	4.549	4.549	0.000	78054512	0.9243	168.4- 218.4	199.2	
1	4	5.248	5.249	-0.001	113301191	0.9576	244.3- 294.3	289.1	
1	5	5.530	5.532	-0.002	52775219	0.9403	104.3- 154.3	134.7	
			Average of Peak Amounts =			0.9271			
2	6	4.949	4.951	-0.002	121963379	0.9392		100.0	
2	7	5.181	5.182	-0.001	137053703	0.9435	80.1- 140.1	112.4	
2	8	5.546	5.547	-0.001	222288293	0.9617	146.6- 206.6	182.3	
2	9	6.231	6.232	-0.001	262239136	0.9757	174.1- 234.1	215.0	
2	10	6.610	6.611	-0.001	190139052	0.9500	121.8- 181.8	155.9	
			Average of Peak Amounts =			0.9540			
						RPD = 2.86			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	48633746	0.0477			
2	2	7.842	7.842	0.000	136671507	0.0462			
						RPD = 3.16			

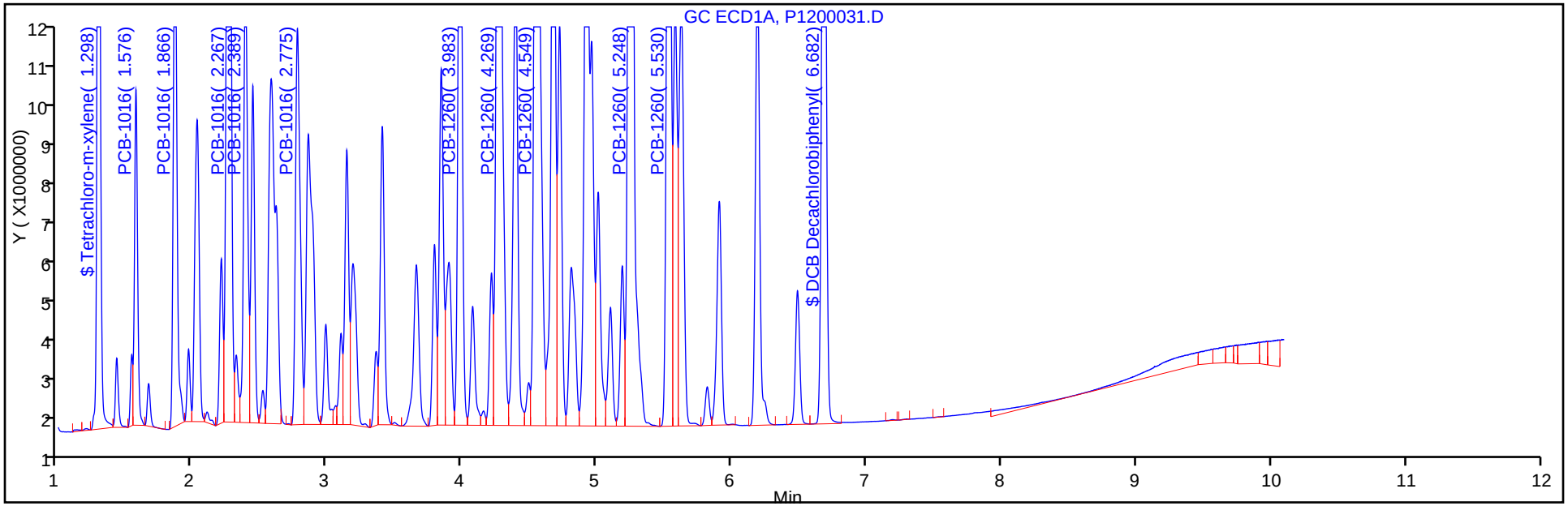
Report Date: 02-Apr-2013 07:01:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

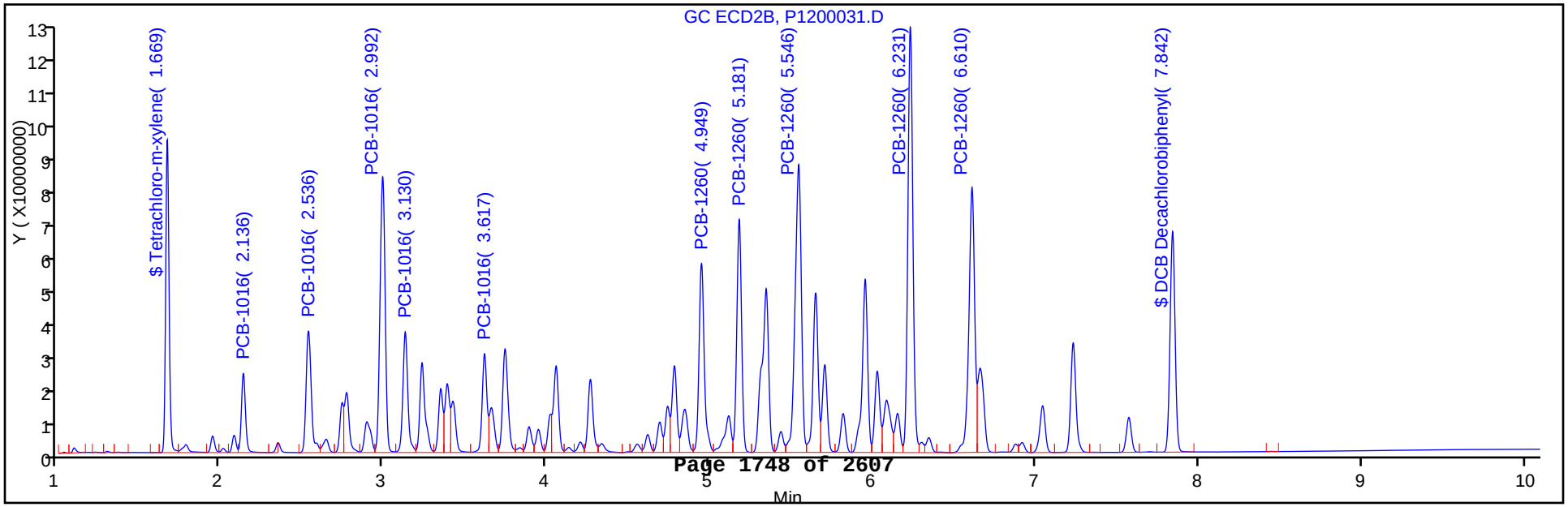
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Injection Date:	01-Apr-2013 16:50:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200032.D
Lims ID: STD2 1660 Client ID:
Inject. Date: 01-Apr-2013 17:05:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-032
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 80043 Lims Sample ID: 32
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:09 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	81115706	0.0827			
2	2	1.669	1.670	-0.001	247792203	0.0928			
						RPD = 11.54			
6 PCB-1016									
1	100	1.575	1.576	-0.001	25655988	1.59		100.0	
1	2	1.865	1.867	-0.002	48545647	1.61	165.5- 215.5	189.2	
1	3	2.266	2.267	-0.001	112067941	1.75	356.7- 406.7	436.8	
1	4	2.388	2.389	-0.001	45399344	1.68	144.0- 194.0	177.0	
1	5	2.773	2.774	-0.001	47107376	1.67	153.1- 203.1	183.6	
			Average of Peak Amounts =			1.66			
2	6	2.137	2.137	0.000	74124205	1.64		100.0	
2	7	2.537	2.537	0.000	146212998	1.67	165.6- 225.6	197.3	
2	8	2.993	2.992	0.001	339157302	1.86	366.1- 426.1	457.6	
2	9	3.131	3.131	0.000	140157047	1.77	144.6- 204.6	189.1	
2	10	3.618	3.617	0.001	110079222	1.67	112.9- 172.9	148.5	
			Average of Peak Amounts =			1.72			
						RPD = 3.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	74650216	1.71		100.0	
1	2	4.269	4.270	-0.001	150110512	1.74	172.1- 222.1	201.1	
1	3	4.548	4.549	-0.001	149497510	1.77	168.4- 218.4	200.3	
1	4	5.248	5.249	-0.001	218590027	1.85	244.3- 294.3	292.8	
1	5	5.531	5.532	-0.001	101049791	1.80	104.3- 154.3	135.4	
			Average of Peak Amounts =			1.77			
2	6	4.950	4.951	-0.001	238913410	1.84		100.0	
2	7	5.181	5.182	-0.001	269992181	1.86	80.1- 140.1	113.0	
2	8	5.547	5.547	0.000	438741702	1.90	146.6- 206.6	183.6	
2	9	6.232	6.232	0.000	519698247	1.93	174.1- 234.1	217.5	
2	10	6.610	6.611	-0.001	374085465	1.87	121.8- 181.8	156.6	
			Average of Peak Amounts =			1.88			
						RPD = 5.75			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	91104092	0.0893			
2	2	7.840	7.842	-0.002	258269779	0.0873			
						RPD = 2.28			

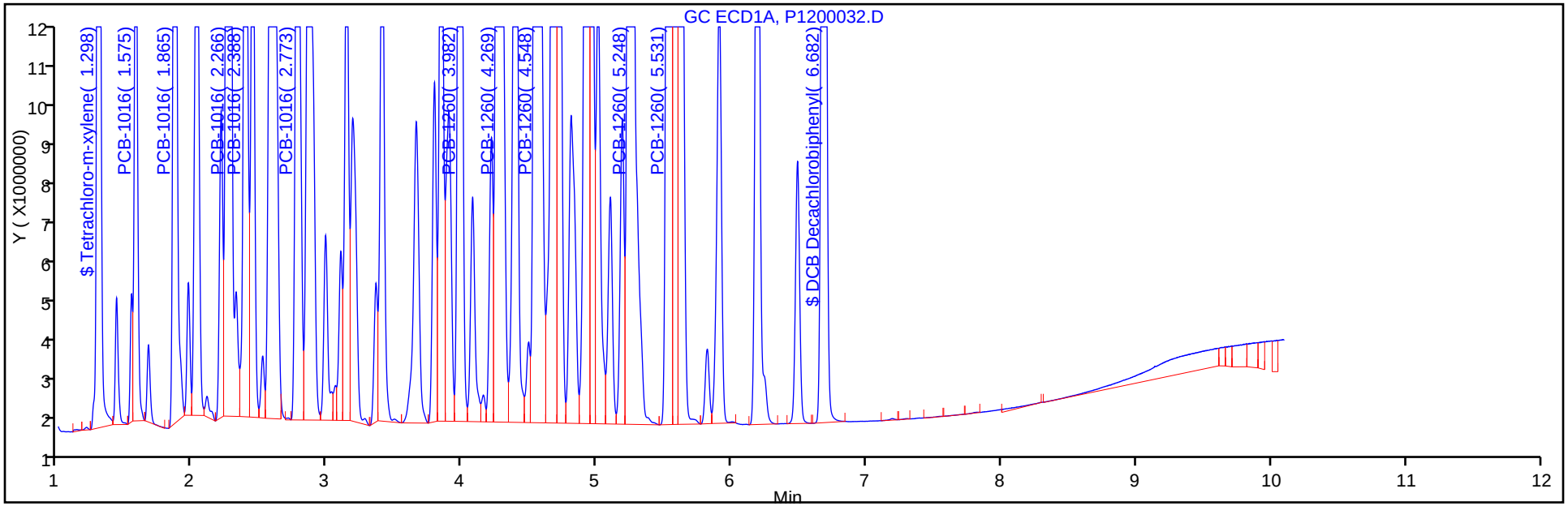
Report Date: 02-Apr-2013 07:01:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

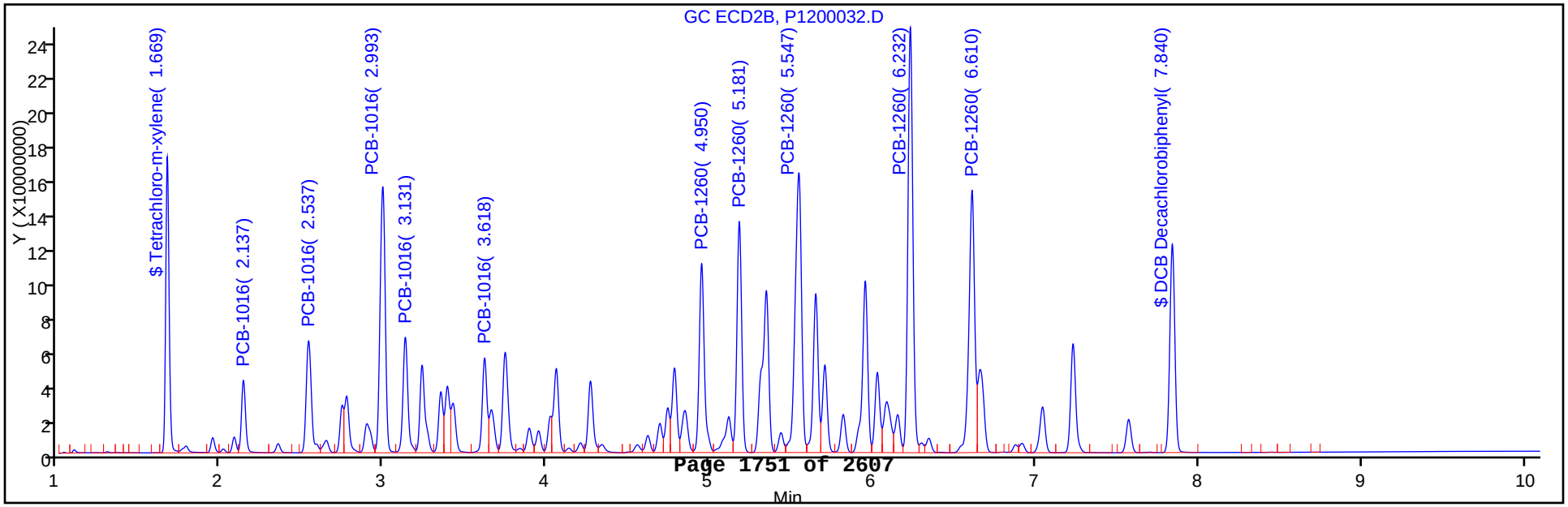
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Injection Date:	01-Apr-2013 17:05:04	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.137	2.136	2.136	2.137	2.136	2.137					2.087 - 2.187	2.137
PCB-1016 Peak 2	2.537	2.536	2.536	2.537	2.536	2.537					2.487 - 2.587	2.537
PCB-1016 Peak 3	2.992	2.992	2.992	2.992	2.992	2.993					2.942 - 3.042	2.992
PCB-1016 Peak 4	3.131	3.131	3.131	3.131	3.130	3.131					3.081 - 3.181	3.131
PCB-1016 Peak 5	3.617	3.616	3.617	3.617	3.617	3.618					3.567 - 3.667	3.617
PCB-1260 Peak 1	4.950	4.950	4.951	4.951	4.949	4.950					4.901 - 5.001	4.950
PCB-1260 Peak 2	5.181	5.181	5.181	5.182	5.181	5.181					5.132 - 5.232	5.181
PCB-1260 Peak 3	5.546	5.546	5.547	5.547	5.546	5.547					5.497 - 5.597	5.547
PCB-1260 Peak 4	6.231	6.232	6.231	6.232	6.231	6.232					6.182 - 6.282	6.232
PCB-1260 Peak 5	6.610	6.610	6.611	6.611	6.610	6.610					6.561 - 6.661	6.610
Tetrachloro-m-xylene	1.669	1.670	1.669	1.670	1.669	1.669					1.620 - 1.720	1.669
DCB Decachlorobiphenyl	7.841	7.841	7.841	7.842	7.842	7.840					7.792 - 7.892	7.841

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.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								
PCB-1016 Peak 1	56546620 39936674	50039380 37062103	46023245	42189444	Ave		45299577.6				16.0		20.0			
PCB-1016 Peak 2	103944260 78636693	96266650 73106499	90021475	82991482	Ave		87494509.8				13.0		20.0			
PCB-1016 Peak 3	198471020 174347268	187930640 169578651	182307585	178766182	Ave		181900224				5.7		20.0			
PCB-1016 Peak 4	91519540 72864607	84449510 70078524	80346805	75987142	Ave		79207687.9				10.0		20.0			
PCB-1016 Peak 5	83147620 57801890	73220220 55039611	65762330	60349810	Ave		65886913.5				16.0		20.0			
PCB-1260 Peak 1	142549140 121963379	138776030 119456705	131315895	125122980	Ave		129864022				7.2		20.0			
PCB-1260 Peak 2	158570000 137053703	155628650 134996091	144641630	140712412	Ave		145267081				6.7		20.0			
PCB-1260 Peak 3	245354700 222288293	242034030 219370851	231931885	225895778	Ave		231145923				4.6		20.0			
PCB-1260 Peak 4	281011060 262239136	278668390 259849124	268033885	262802642	Ave		268767373				3.4		20.0			
PCB-1260 Peak 5	216631900 190139052	214316730 187042733	199340465	193381090	Ave		200141995				6.3		20.0			
Tetrachloro-m-xylene	3214436400 2612423380	2582209000 2477922030	2604659900	2524904160	Ave		2669425812				10.0		20.0			
DCB Decachlorobiphenyl	3695810800 2733430140	3085987400 2582697790	2966588900	2685762760	Ave		2958379632				14.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22488-1 Analy Batch No.: 80043

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2013 15:53 Calibration End Date: 04/01/2013 17:05 Calibration ID: 14303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-80043/27	P1200027.D
Level 2	STD01 240-80043/28	P1200028.D
Level 3	STD02 240-80043/29	P1200029.D
Level 4	STD05 240-80043/30	P1200030.D
Level 5	STD1 240-80043/31	P1200031.D
Level 6	STD2 240-80043/32	P1200032.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
PCB-1016 Peak 1	Ave	2827331 74124205	5003938	9204649	21094722	39936674	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	5197213 146212998	9626665	18004295	41495741	78636693	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	9923551 339157302	18793064	36461517	89383091	174347268	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	4575977 140157047	8444951	16069361	37993571	72864607	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	4157381 110079222	7322022	13152466	30174905	57801890	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	7127457 238913410	13877603	26263179	62561490	121963379	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	7928500 269992181	15562865	28928326	70356206	137053703	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	12267735 438741702	24203403	46386377	112947889	222288293	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	14050553 519698247	27866839	53606777	131401321	262239136	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	10831595 374085465	21431673	39868093	96690545	190139052	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	8036091 247792203	12911045	26046599	63122604	130621169	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	9239527 258269779	15429937	29665889	67144069	136671507	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	01-Apr-2013 15:53:55	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0018420-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	80043	Lims Sample ID:	27
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:00:58	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

First Level Reviewer: hassl Date: 02-Apr-2013 06:57:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	3220704	0.003284			
2	2	1.669	1.670	-0.001	8036091	0.003010			
						RPD = 8.68			
6 PCB-1016									
1	100	1.575	1.576	-0.001	1013413	0.0626		100.0	
1	2	1.864	1.867	-0.003	1805036	0.0600	165.5- 215.5	178.1	
1	3	2.265	2.267	-0.002	3753667	0.0587	356.7- 406.7	370.4	
1	4	2.388	2.389	-0.001	1597506	0.0591	144.0- 194.0	157.6	
1	5	2.773	2.774	-0.001	1692303	0.0599	153.1- 203.1	167.0	
			Average of Peak Amounts =			0.0601			
2	6	2.137	2.137	0.000	2827331	0.0624		100.0	
2	7	2.537	2.537	0.000	5197213	0.0594	165.6- 225.6	183.8	
2	8	2.992	2.992	0.000	9923551	0.0546	366.1- 426.1	351.0	
2	9	3.131	3.131	0.000	4575977	0.0578	144.6- 204.6	161.8	
2	10	3.617	3.617	0.000	4157381	0.0631	112.9- 172.9	147.0	
			Average of Peak Amounts =			0.0594			
						RPD = 1.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	2535178	0.0581		100.0	
1	2	4.269	4.270	-0.001	4913018	0.0570	172.1- 222.1	193.8	
1	3	4.548	4.549	-0.001	4729293	0.0560	168.4- 218.4	186.5	
1	4	5.247	5.249	-0.002	6293917	0.0532	244.3- 294.3	248.3	
1	5	5.529	5.532	-0.003	3081905	0.0549	104.3- 154.3	121.6	
			Average of Peak Amounts =			0.0559			
2	6	4.950	4.951	-0.001	7127457	0.0549		100.0	
2	7	5.181	5.182	-0.001	7928500	0.0546	80.1- 140.1	111.2	
2	8	5.546	5.547	-0.001	12267735	0.0531	146.6- 206.6	172.1	
2	9	6.231	6.232	-0.001	14050553	0.0523	174.1- 234.1	197.1	
2	10	6.610	6.611	-0.001	10831595	0.0541	121.8- 181.8	152.0	
			Average of Peak Amounts =			0.0538			
						RPD = 3.78			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	3102680	0.003042			
2	2	7.841	7.842	-0.001	9239527	0.003123			
						RPD = 2.64			

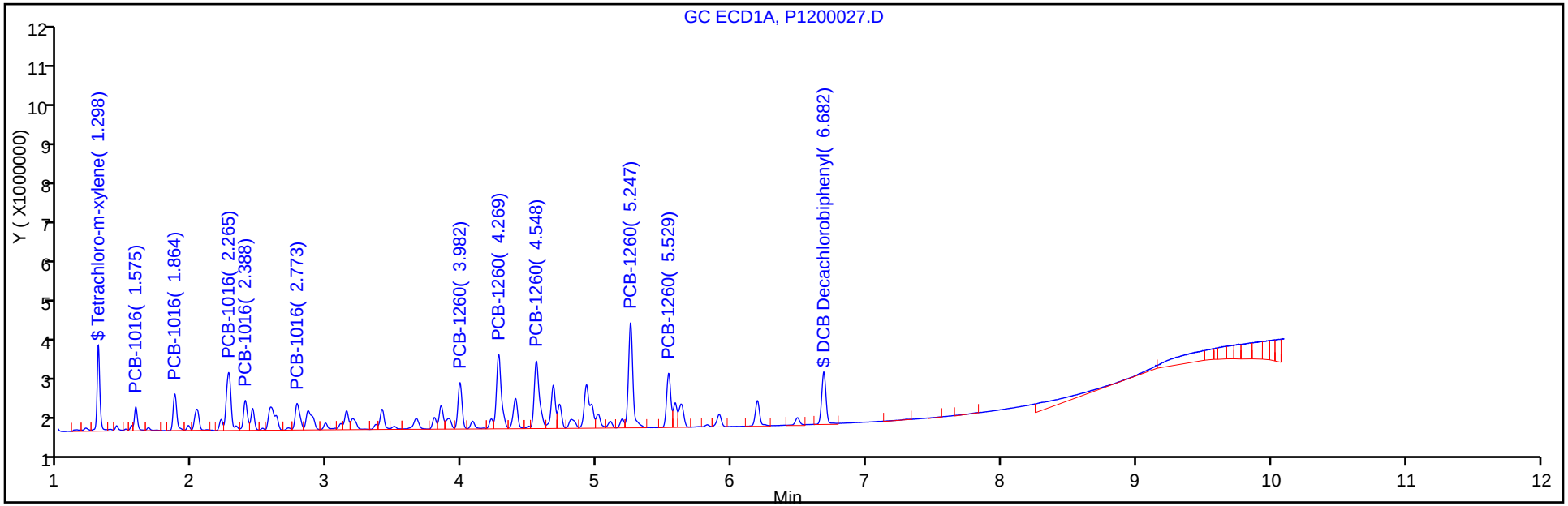
Report Date: 02-Apr-2013 07:00:59 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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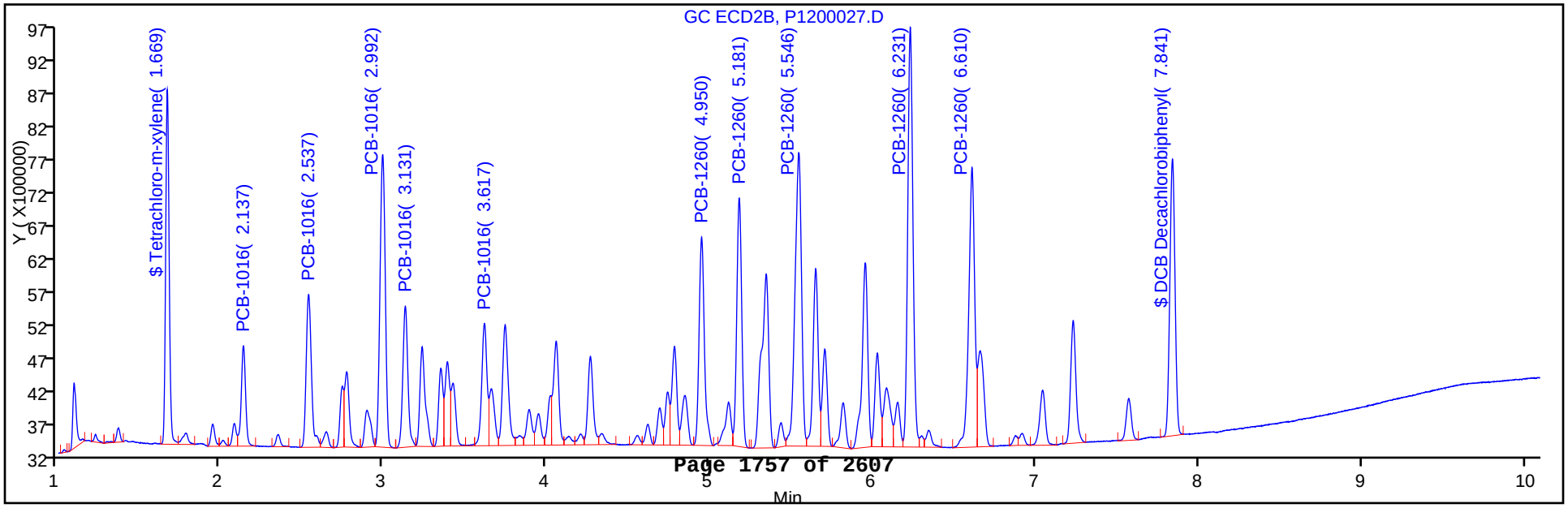
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200027.D

Injection Date:	01-Apr-2013 15:53:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200028.D
Lims ID: STD01 1660 Client ID:
Inject. Date: 01-Apr-2013 16:08:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018420-028
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 80043 Lims Sample ID: 28
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:00 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	4853467	0.004948			
2	2	1.670	1.670	0.000	12911045	0.004837			
						RPD = 2.28			
6 PCB-1016									
1	100	1.576	1.576	0.000	1754933	0.1084		100.0	
1	2	1.865	1.867	-0.002	3349566	0.1114	165.5- 215.5	190.9	
1	3	2.266	2.267	-0.001	7045042	0.1101	356.7- 406.7	401.4	
1	4	2.389	2.389	0.000	2935287	0.1086	144.0- 194.0	167.3	
1	5	2.773	2.774	-0.001	3066378	0.1085	153.1- 203.1	174.7	
			Average of Peak Amounts =			0.1094			
2	6	2.136	2.137	-0.001	5003938	0.1105		100.0	
2	7	2.536	2.537	-0.001	9626665	0.1100	165.6- 225.6	192.4	
2	8	2.992	2.992	0.000	18793064	0.1033	366.1- 426.1	375.6	
2	9	3.131	3.131	0.000	8444951	0.1066	144.6- 204.6	168.8	
2	10	3.616	3.617	-0.001	7322022	0.1111	112.9- 172.9	146.3	
			Average of Peak Amounts =			0.1083			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	4805580	0.1102		100.0	
1	2	4.268	4.270	-0.002	9396077	0.1091	172.1- 222.1	195.5	
1	3	4.547	4.549	-0.002	9137528	0.1082	168.4- 218.4	190.1	
1	4	5.247	5.249	-0.002	12530754	0.1059	244.3- 294.3	260.8	
1	5	5.530	5.532	-0.002	6052776	0.1078	104.3- 154.3	126.0	
			Average of Peak Amounts =			0.1083			
2	6	4.950	4.951	-0.001	13877603	0.1069		100.0	
2	7	5.181	5.182	-0.001	15562865	0.1071	80.1- 140.1	112.1	
2	8	5.546	5.547	-0.001	24203403	0.1047	146.6- 206.6	174.4	
2	9	6.232	6.232	0.000	27866839	0.1037	174.1- 234.1	200.8	
2	10	6.610	6.611	-0.001	21431673	0.1071	121.8- 181.8	154.4	
			Average of Peak Amounts =			0.1059			
						RPD = 2.21			
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.682	-0.001	5112286	0.005012			
2	2	7.841	7.842	-0.001	15429937	0.005216			
						RPD = 3.98			

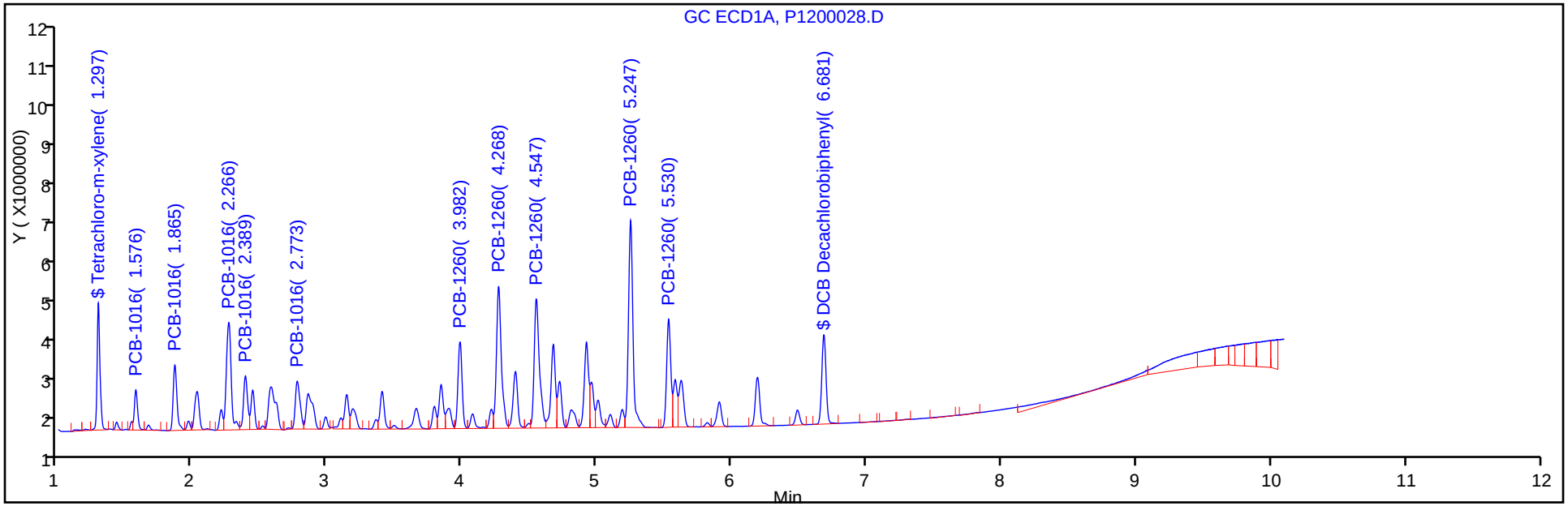
Report Date: 02-Apr-2013 07:01:01 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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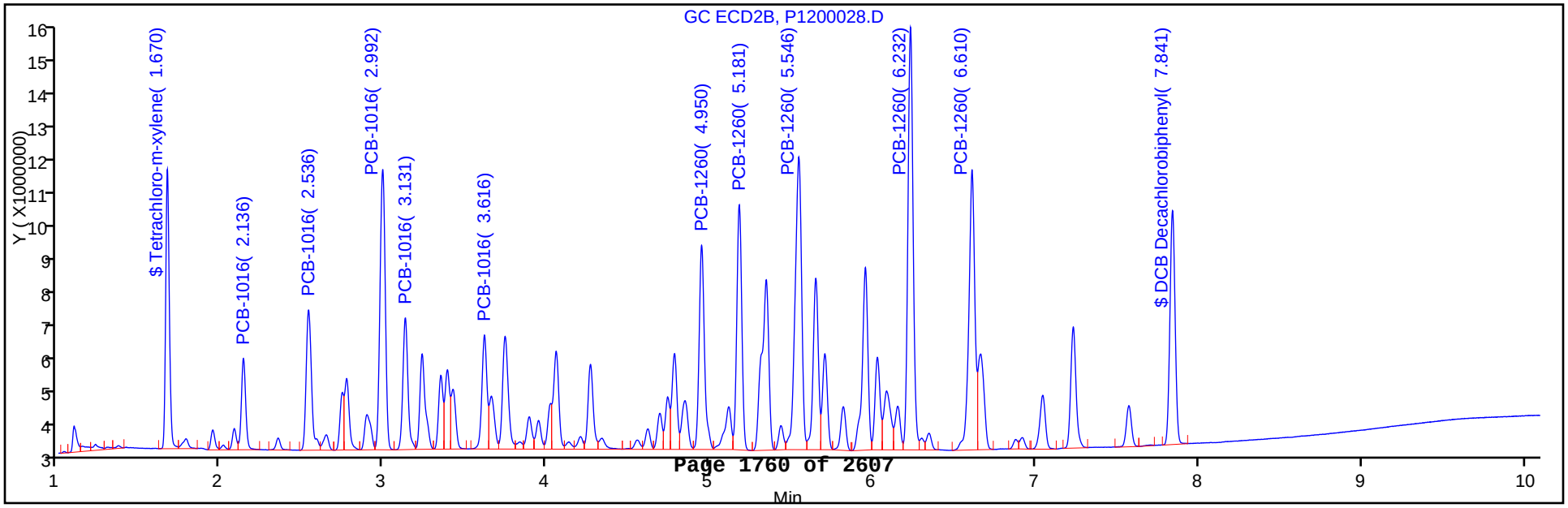
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200028.D

Injection Date:	01-Apr-2013 16:08:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200029.D		
Lims ID:	STD02 1660	Client ID:	
Inject. Date:	01-Apr-2013 16:22:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0018420-029		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	80043	Lims Sample ID:	29
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m		
Last Update:	02-Apr-2013 07:01:02	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK018		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	10002023	0.0102			
2	2	1.669	1.670	-0.001	26046599	0.009757			
						RPD = 4.41			
6 PCB-1016									
1	100	1.575	1.576	-0.001	3277030	0.2025		100.0	
1	2	1.865	1.867	-0.002	6243084	0.2076	165.5- 215.5	190.5	
1	3	2.266	2.267	-0.001	12508571	0.1955	356.7- 406.7	381.7	
1	4	2.387	2.389	-0.002	5536705	0.2049	144.0- 194.0	169.0	
1	5	2.773	2.774	-0.001	5835122	0.2065	153.1- 203.1	178.1	
			Average of Peak Amounts =			0.2034			
2	6	2.136	2.137	-0.001	9204649	0.2032		100.0	
2	7	2.536	2.537	-0.001	18004295	0.2058	165.6- 225.6	195.6	
2	8	2.992	2.992	0.000	36461517	0.2004	366.1- 426.1	396.1	
2	9	3.131	3.131	0.000	16069361	0.2029	144.6- 204.6	174.6	
2	10	3.617	3.617	0.000	13152466	0.1996	112.9- 172.9	142.9	
			Average of Peak Amounts =			0.2024			
						RPD = 0.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.981	3.982	-0.001	8910620	0.2044		100.0	
1	2	4.268	4.270	-0.002	17562160	0.2039	172.1- 222.1	197.1	
1	3	4.548	4.549	-0.001	17233115	0.2041	168.4- 218.4	193.4	
1	4	5.247	5.249	-0.002	23995947	0.2028	244.3- 294.3	269.3	
1	5	5.531	5.532	-0.001	11517380	0.2052	104.3- 154.3	129.3	
			Average of Peak Amounts =			0.2041			
2	6	4.951	4.951	0.000	26263179	0.2022		100.0	
2	7	5.181	5.182	-0.001	28928326	0.1991	80.1- 140.1	110.1	
2	8	5.547	5.547	0.000	46386377	0.2007	146.6- 206.6	176.6	
2	9	6.231	6.232	-0.001	53606777	0.1995	174.1- 234.1	204.1	
2	10	6.611	6.611	0.000	39868093	0.1992	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2001			
						RPD = 1.95			
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.682	-0.001	10255214	0.0101			
2	2	7.841	7.842	-0.001	29665889	0.0100			
						RPD = 0.26			

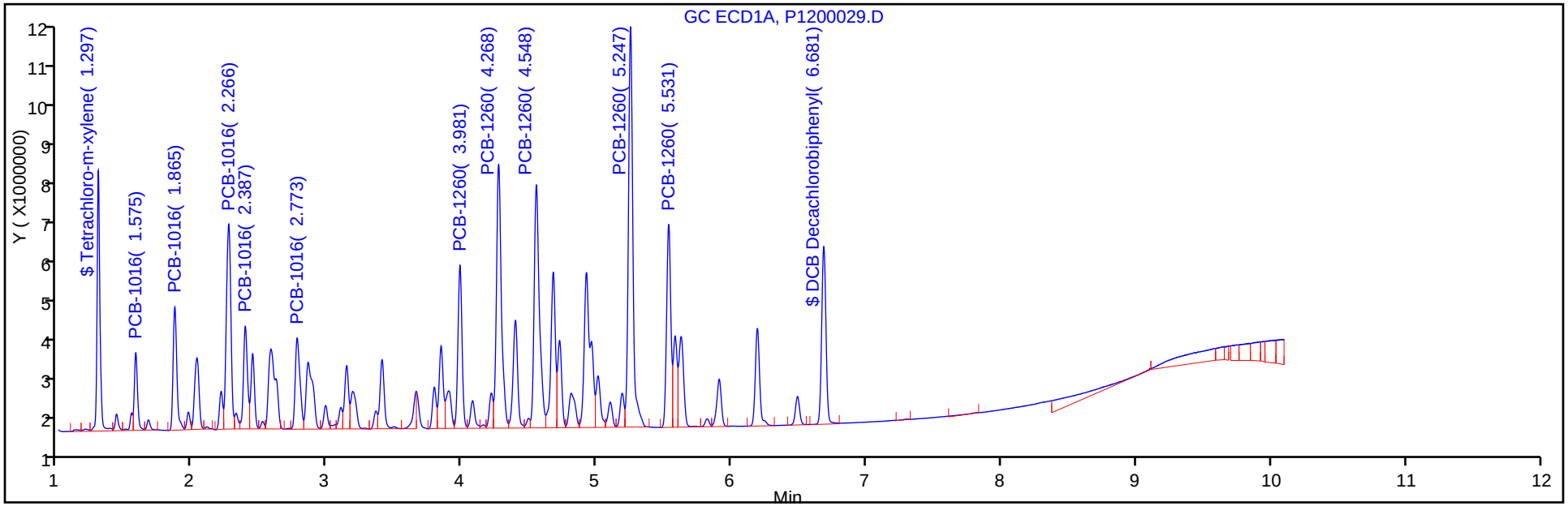
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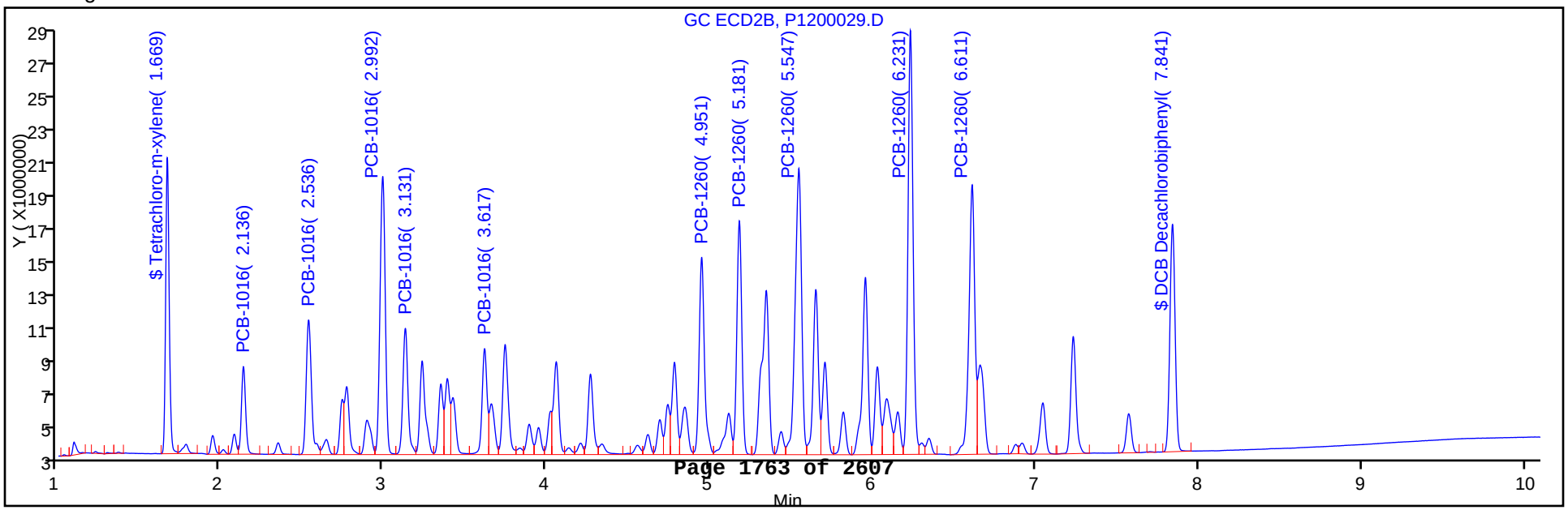
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200029.D

Injection Date:	01-Apr-2013 16:22:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200030.D
Lims ID: STD05 1660 Client ID:
Inject. Date: 01-Apr-2013 16:36:20 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 4
Sample ID: 240-0018420-030
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 80043 Lims Sample ID: 30
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:05 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.297	0.000	23096445	0.0235			
2	2	1.670	1.670	0.000	63122604	0.0236			
						RPD = 0.42			
6 PCB-1016									
1	100	1.576	1.576	0.000	8059641	0.4979		100.0	
1	2	1.867	1.867	0.000	14546395	0.4837	165.5- 215.5	180.5	
1	3	2.267	2.267	0.000	31989590	0.5000	356.7- 406.7	396.9	
1	4	2.389	2.389	0.000	13189252	0.4881	144.0- 194.0	163.6	
1	5	2.774	2.774	0.000	13664011	0.4836	153.1- 203.1	169.5	
			Average of Peak Amounts =			0.4907			
2	6	2.137	2.137	0.000	21094722	0.4657		100.0	
2	7	2.537	2.537	0.000	41495741	0.4743	165.6- 225.6	196.7	
2	8	2.992	2.992	0.000	89383091	0.4914	366.1- 426.1	423.7	
2	9	3.131	3.131	0.000	37993571	0.4797	144.6- 204.6	180.1	
2	10	3.617	3.617	0.000	30174905	0.4580	112.9- 172.9	143.0	
			Average of Peak Amounts =			0.4738			
						RPD = 3.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	20882983	0.4790		100.0	
1	2	4.270	4.270	0.000	41439198	0.4812	172.1- 222.1	198.4	
1	3	4.549	4.549	0.000	40872672	0.4840	168.4- 218.4	195.7	
1	4	5.249	5.249	0.000	58076312	0.4908	244.3- 294.3	278.1	
1	5	5.532	5.532	0.000	26846334	0.4783	104.3- 154.3	128.6	
			Average of Peak Amounts =			0.4827			
2	6	4.951	4.951	0.000	62561490	0.4817		100.0	
2	7	5.182	5.182	0.000	70356206	0.4843	80.1- 140.1	112.5	
2	8	5.547	5.547	0.000	112947889	0.4886	146.6- 206.6	180.5	
2	9	6.232	6.232	0.000	131401321	0.4889	174.1- 234.1	210.0	
2	10	6.611	6.611	0.000	96690545	0.4831	121.8- 181.8	154.6	
			Average of Peak Amounts =			0.4853			
						RPD = 0.55			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	23681444	0.0232			
2	2	7.842	7.842	0.000	67144069	0.0227			
						RPD = 2.27			

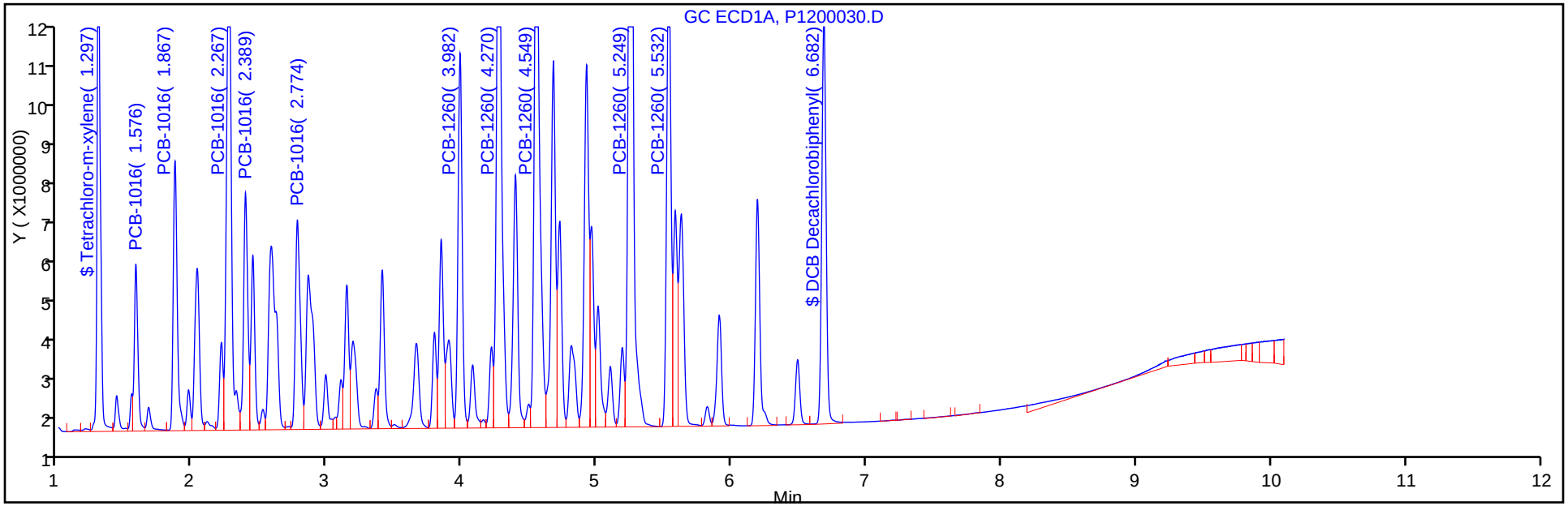
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TestAmerica Canton

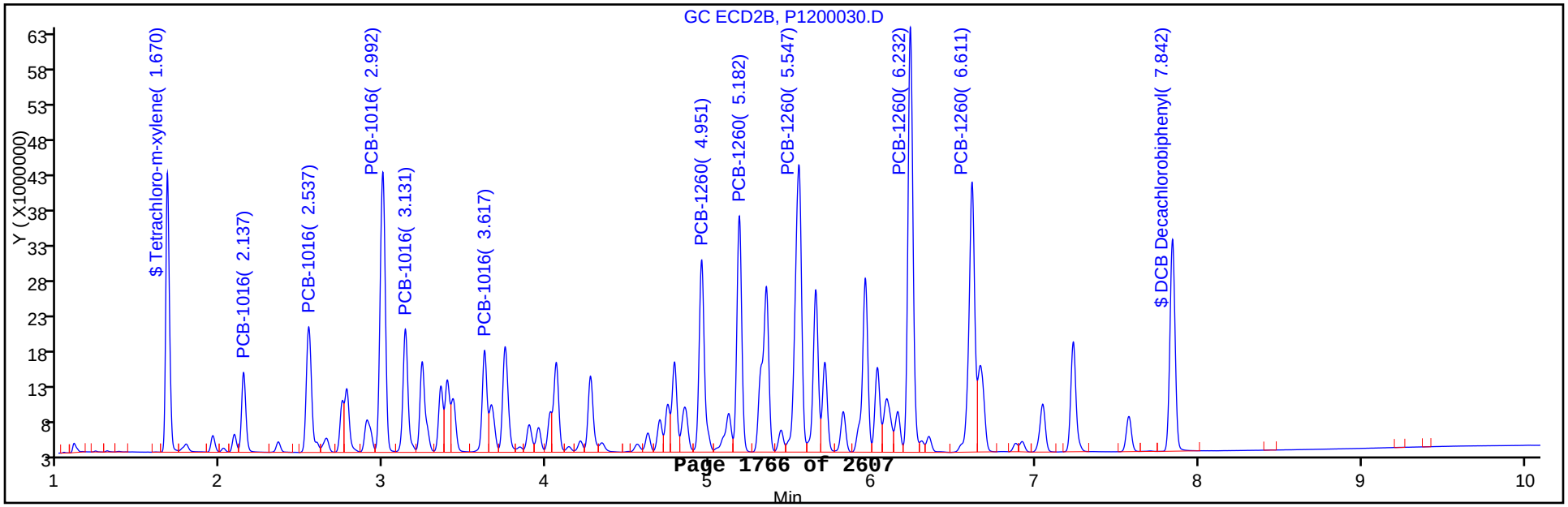
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200030.D

Injection Date:	01-Apr-2013 16:36:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200031.D
Lims ID: STD1 1660 Client ID:
Inject. Date: 01-Apr-2013 16:50:56 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018420-031
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 80043 Lims Sample ID: 31
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:07 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	44546019	0.0454			
2	2	1.669	1.670	-0.001	130621169	0.0489			
						RPD = 7.45			
6 PCB-1016									
1	100	1.576	1.576	0.000	13966606	0.8629		100.0	
1	2	1.866	1.867	-0.001	26274663	0.8736	165.5- 215.5	188.1	
1	3	2.267	2.267	0.000	55817578	0.8724	356.7- 406.7	399.7	
1	4	2.389	2.389	0.000	24058106	0.8904	144.0- 194.0	172.3	
1	5	2.775	2.774	0.001	24952974	0.8832	153.1- 203.1	178.7	
			Average of Peak Amounts =			0.8765			
2	6	2.136	2.137	-0.001	39936674	0.8816		100.0	
2	7	2.536	2.537	-0.001	78636693	0.8988	165.6- 225.6	196.9	
2	8	2.992	2.992	0.000	174347268	0.9585	366.1- 426.1	436.6	
2	9	3.130	3.131	-0.001	72864607	0.9199	144.6- 204.6	182.5	
2	10	3.617	3.617	0.000	57801890	0.8773	112.9- 172.9	144.7	
			Average of Peak Amounts =			0.9072			
						RPD = 3.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.982	0.001	39185619	0.8988		100.0	
1	2	4.269	4.270	-0.001	78767064	0.9146	172.1- 222.1	201.0	
1	3	4.549	4.549	0.000	78054512	0.9243	168.4- 218.4	199.2	
1	4	5.248	5.249	-0.001	113301191	0.9576	244.3- 294.3	289.1	
1	5	5.530	5.532	-0.002	52775219	0.9403	104.3- 154.3	134.7	
			Average of Peak Amounts =			0.9271			
2	6	4.949	4.951	-0.002	121963379	0.9392		100.0	
2	7	5.181	5.182	-0.001	137053703	0.9435	80.1- 140.1	112.4	
2	8	5.546	5.547	-0.001	222288293	0.9617	146.6- 206.6	182.3	
2	9	6.231	6.232	-0.001	262239136	0.9757	174.1- 234.1	215.0	
2	10	6.610	6.611	-0.001	190139052	0.9500	121.8- 181.8	155.9	
			Average of Peak Amounts =			0.9540			
						RPD = 2.86			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	48633746	0.0477			
2	2	7.842	7.842	0.000	136671507	0.0462			
						RPD = 3.16			

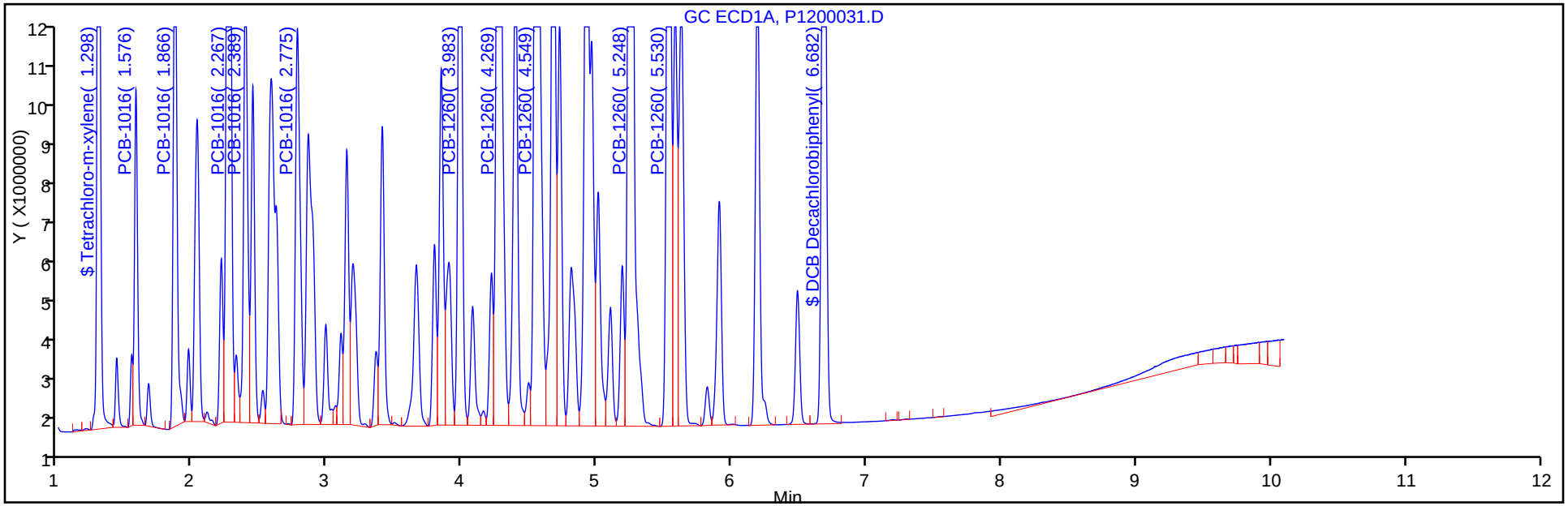
Report Date: 02-Apr-2013 07:01:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

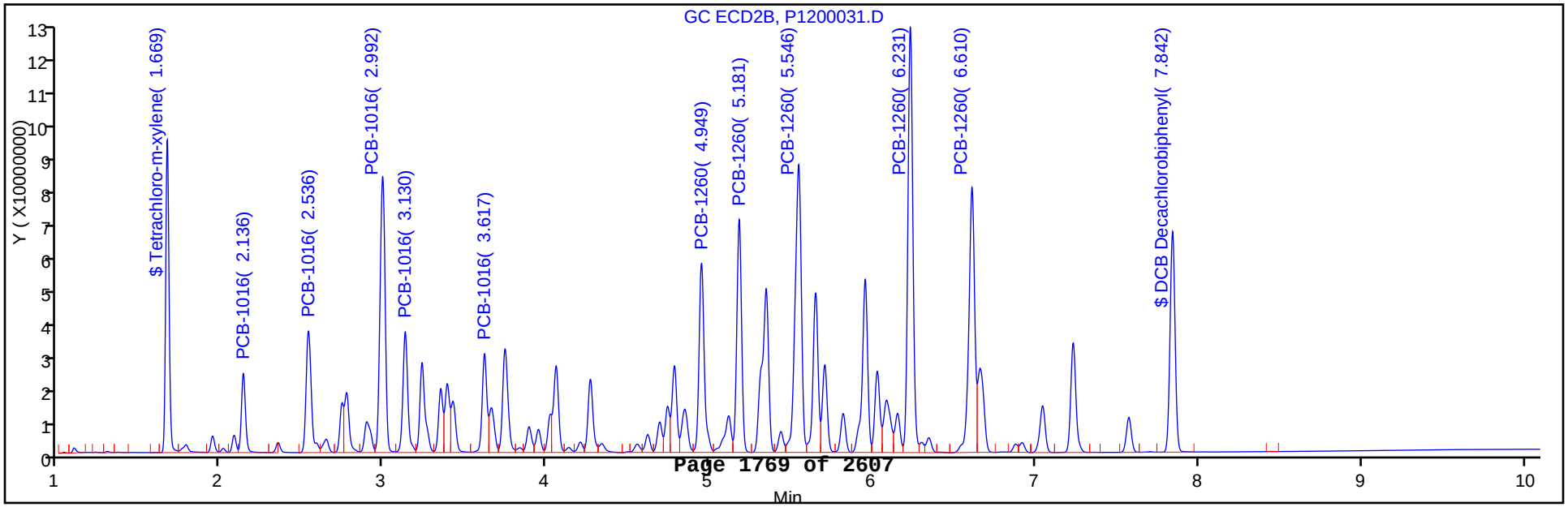
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200031.D

Injection Date:	01-Apr-2013 16:50:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200032.D
Lims ID: STD2 1660 Client ID:
Inject. Date: 01-Apr-2013 17:05:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018420-032
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 80043 Lims Sample ID: 32
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:09 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.297	0.001	81115706	0.0827			
2	2	1.669	1.670	-0.001	247792203	0.0928			
						RPD = 11.54			
6 PCB-1016									
1	100	1.575	1.576	-0.001	25655988	1.59		100.0	
1	2	1.865	1.867	-0.002	48545647	1.61	165.5- 215.5	189.2	
1	3	2.266	2.267	-0.001	112067941	1.75	356.7- 406.7	436.8	
1	4	2.388	2.389	-0.001	45399344	1.68	144.0- 194.0	177.0	
1	5	2.773	2.774	-0.001	47107376	1.67	153.1- 203.1	183.6	
			Average of Peak Amounts =			1.66			
2	6	2.137	2.137	0.000	74124205	1.64		100.0	
2	7	2.537	2.537	0.000	146212998	1.67	165.6- 225.6	197.3	
2	8	2.993	2.992	0.001	339157302	1.86	366.1- 426.1	457.6	
2	9	3.131	3.131	0.000	140157047	1.77	144.6- 204.6	189.1	
2	10	3.618	3.617	0.001	110079222	1.67	112.9- 172.9	148.5	
			Average of Peak Amounts =			1.72			
						RPD = 3.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.982	3.982	0.000	74650216	1.71		100.0	
1	2	4.269	4.270	-0.001	150110512	1.74	172.1- 222.1	201.1	
1	3	4.548	4.549	-0.001	149497510	1.77	168.4- 218.4	200.3	
1	4	5.248	5.249	-0.001	218590027	1.85	244.3- 294.3	292.8	
1	5	5.531	5.532	-0.001	101049791	1.80	104.3- 154.3	135.4	
			Average of Peak Amounts =			1.77			
2	6	4.950	4.951	-0.001	238913410	1.84		100.0	
2	7	5.181	5.182	-0.001	269992181	1.86	80.1- 140.1	113.0	
2	8	5.547	5.547	0.000	438741702	1.90	146.6- 206.6	183.6	
2	9	6.232	6.232	0.000	519698247	1.93	174.1- 234.1	217.5	
2	10	6.610	6.611	-0.001	374085465	1.87	121.8- 181.8	156.6	
			Average of Peak Amounts =			1.88			
						RPD = 5.75			
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.682	0.000	91104092	0.0893			
2	2	7.840	7.842	-0.002	258269779	0.0873			
						RPD = 2.28			

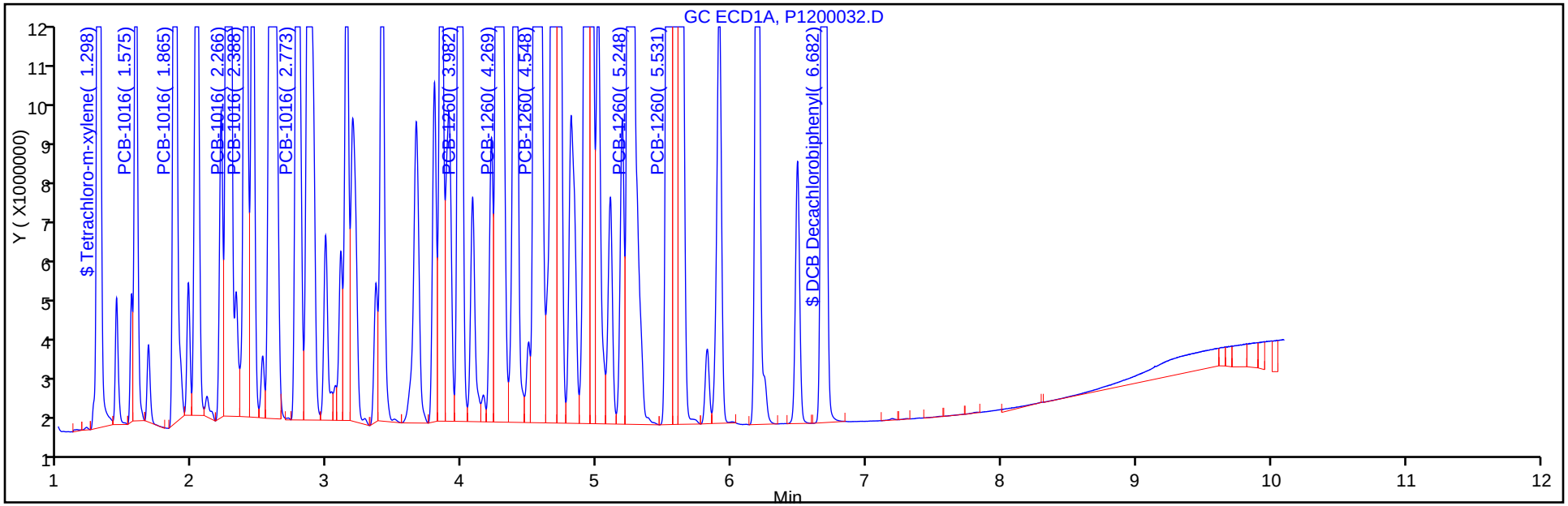
Report Date: 02-Apr-2013 07:01:10 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

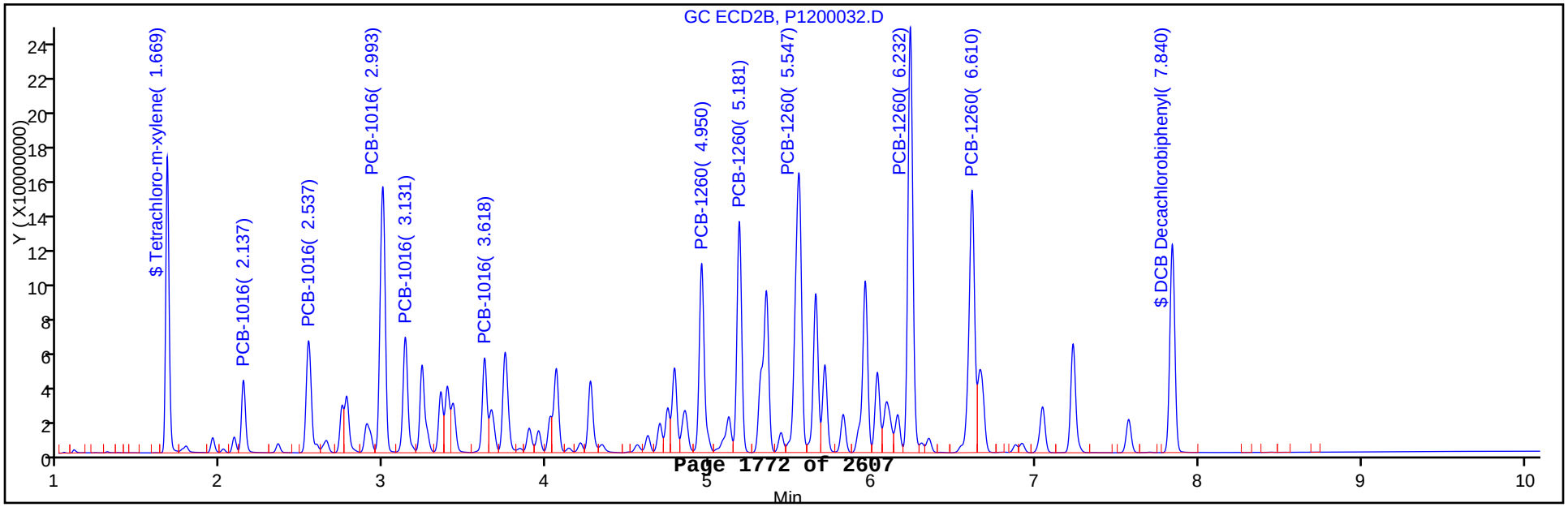
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200032.D

Injection Date:	01-Apr-2013 17:05:04	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/45 Calibration Date: 04/01/2013 20:09

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	9412224	9694450		1.03	1.00	3.0	20.0
PCB-1221 Peak 2	Ave	5036203	0.0000		0.000200	1.00	-100.0*	20.0
PCB-1221 Peak 3	Ave	22868380	28125417		1.23	1.00	23.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/45 Calibration Date: 04/01/2013 20:09

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.43	1.38	1.48
PCB-1221 Peak 2	1.58	1.49	1.59
PCB-1221 Peak 3	1.58	1.53	1.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 01-Apr-2013 20:09:52 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-045
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 80043 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	9694450	1.03		100.0	
1	3	1.575	1.544	0.031	0	0	34.1- 84.1		
1	4	1.576	1.575	0.001	28125417	1.23	214.4- 264.4	290.1	
			Average of Peak Amounts =			1.13			
2	4	1.949	1.948	0.001	25155464	0.9313		100.0	
2	5	2.082	2.080	0.002	18047225	0.99	38.7- 98.7	71.7	
2	6	2.138	2.137	0.001	66492383	1.03	210.1- 270.1	264.3	
			Average of Peak Amounts =			0.9835			
						RPD = 13.86			

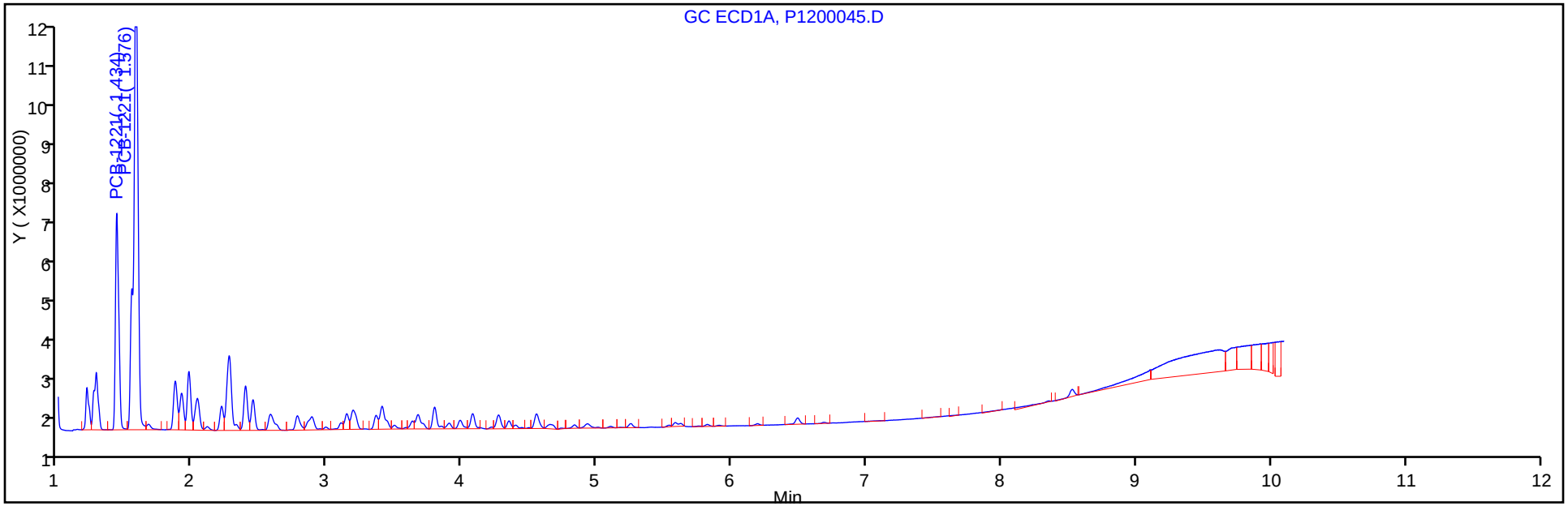
Report Date: 02-Apr-2013 07:01:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

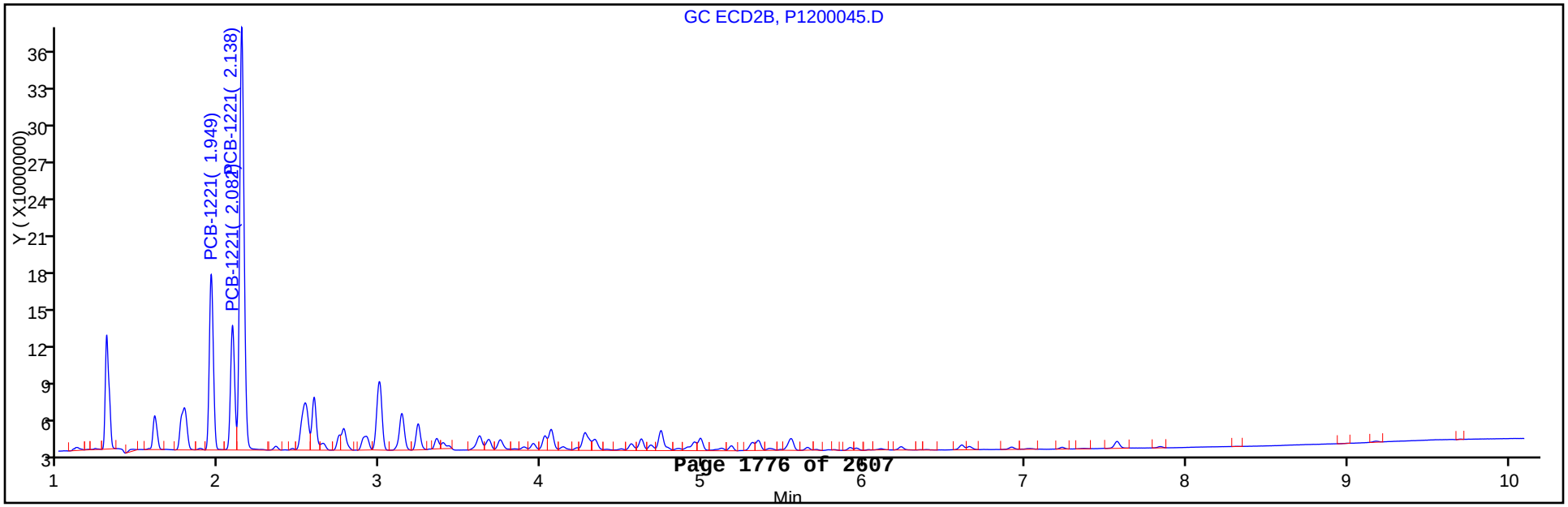
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200045.D

Injection Date:	01-Apr-2013 20:09:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/45 Calibration Date: 04/01/2013 20:09

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	27011068	25155464		0.931	1.00	-6.9	20.0
PCB-1221 Peak 2	Ave	18185814	18047225		0.992	1.00	-0.8	20.0
PCB-1221 Peak 3	Ave	64758703	66492383		1.03	1.00	2.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/45 Calibration Date: 04/01/2013 20:09

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.90	2.00
PCB-1221 Peak 2	2.08	2.03	2.13
PCB-1221 Peak 3	2.14	2.09	2.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 01-Apr-2013 20:09:52 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-045
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 80043 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.434	1.433	0.001	9694450	1.03		100.0	
1	3	1.575	1.544	0.031	0	0	34.1- 84.1		
1	4	1.576	1.575	0.001	28125417	1.23	214.4- 264.4	290.1	
			Average of Peak Amounts =			1.13			
2	4	1.949	1.948	0.001	25155464	0.9313		100.0	
2	5	2.082	2.080	0.002	18047225	0.99	38.7- 98.7	71.7	
2	6	2.138	2.137	0.001	66492383	1.03	210.1- 270.1	264.3	
			Average of Peak Amounts =			0.9835			
						RPD = 13.86			

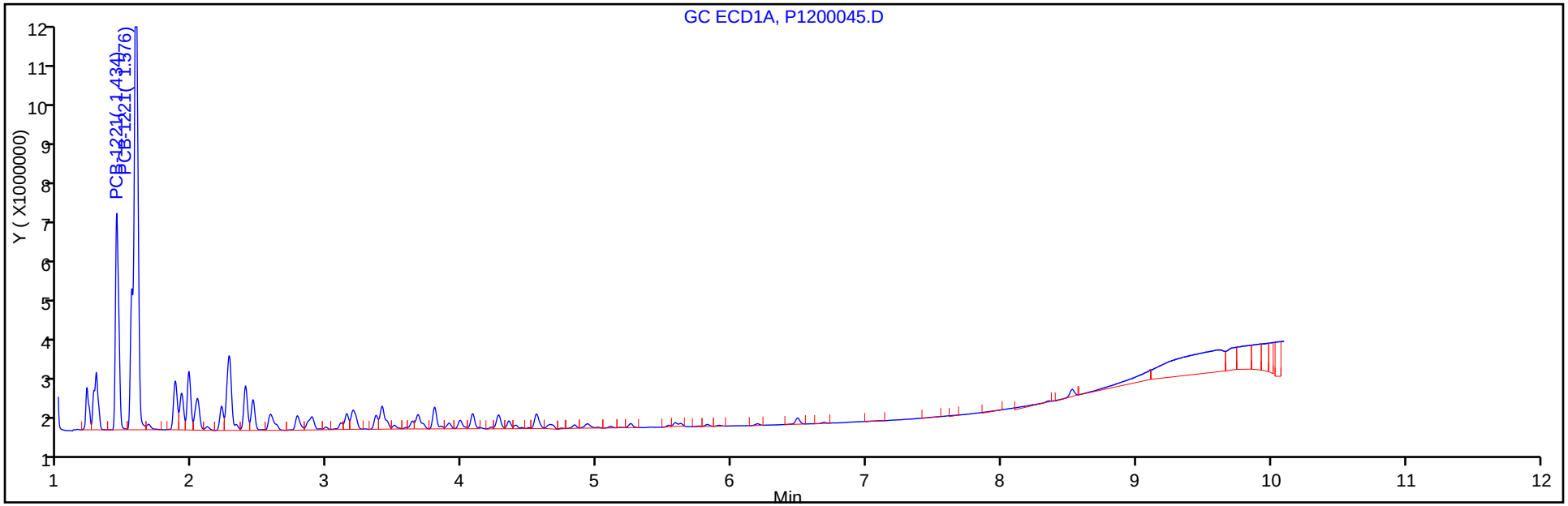
Report Date: 02-Apr-2013 07:01:27 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

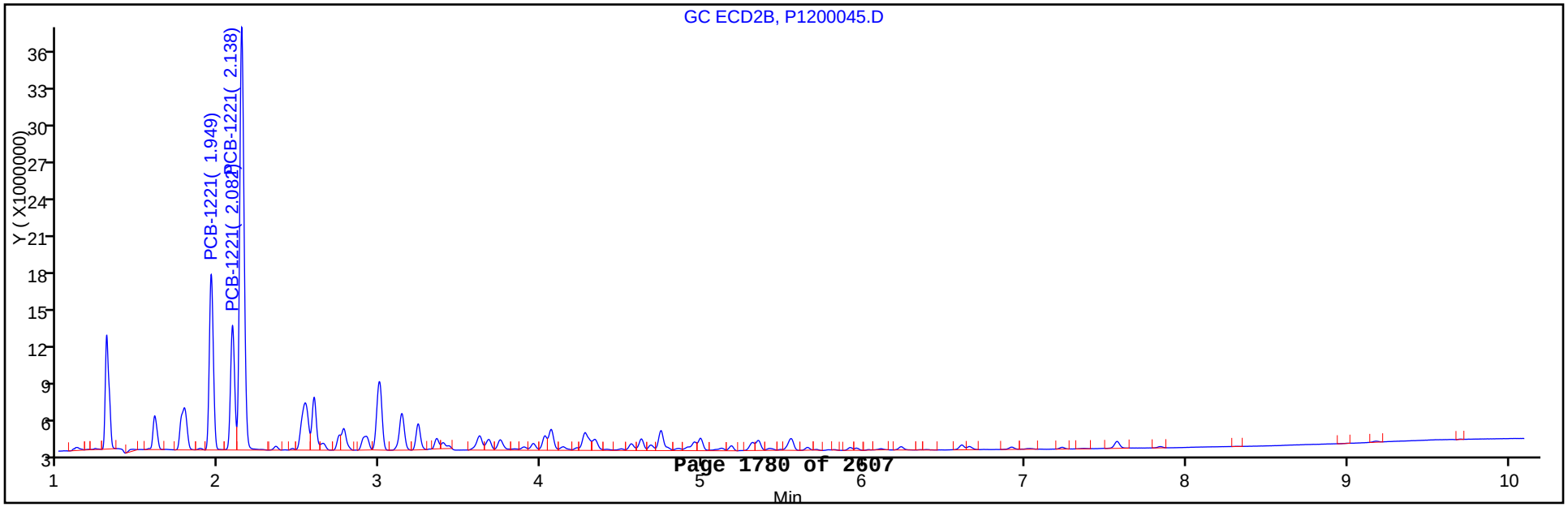
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200045.D

Injection Date:	01-Apr-2013 20:09:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/46 Calibration Date: 04/01/2013 20:23

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 10:09

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 11:21

Lab File ID: P1200046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	18176812	15123644		0.832	1.00	-16.8	20.0
PCB-1232 Peak 2	Ave	14647831	13124037		0.896	1.00	-10.4	20.0
PCB-1232 Peak 3	Ave	28440460	27633684		0.972	1.00	-2.8	20.0
PCB-1232 Peak 4	Ave	12000709	11382903		0.949	1.00	-5.1	20.0
PCB-1232 Peak 5	Ave	11702083	11383278		0.973	1.00	-2.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/46 Calibration Date: 04/01/2013 20:23

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 10:09

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 11:21

Lab File ID: P1200046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.58	1.53	1.63
PCB-1232 Peak 2	1.87	1.82	1.92
PCB-1232 Peak 3	2.27	2.22	2.32
PCB-1232 Peak 4	2.39	2.34	2.44
PCB-1232 Peak 5	2.77	2.73	2.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 01-Apr-2013 20:23:59 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-046
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 80043 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.575	1.577	-0.002	15123644	0.8320		100.0	
1	2	1.866	1.868	-0.002	13124037	0.8960	57.1- 107.1	86.8	
1	3	2.266	2.270	-0.004	27633684	0.9716	138.6- 188.6	182.7	
1	4	2.388	2.393	-0.005	11382903	0.9485	43.2- 93.2	75.3	
1	5	2.774	2.777	-0.003	11383278	0.9728	41.1- 91.1	75.3	
			Average of Peak Amounts =			0.9242			
2	6	2.138	2.138	0.000	43305716	0.8115		100.0	
2	7	2.538	2.540	-0.002	36363418	0.8964	47.1- 107.1	84.0	
2	8	2.993	2.996	-0.003	78751574	0.9789	119.9- 179.9	181.9	
2	9	3.131	3.136	-0.005	33906747	0.9261	38.2- 98.2	78.3	
2	10	3.743	3.750	-0.007	28749588	0.9312	29.2- 89.2	66.4	
			Average of Peak Amounts =			0.9088			
						RPD = 1.68			

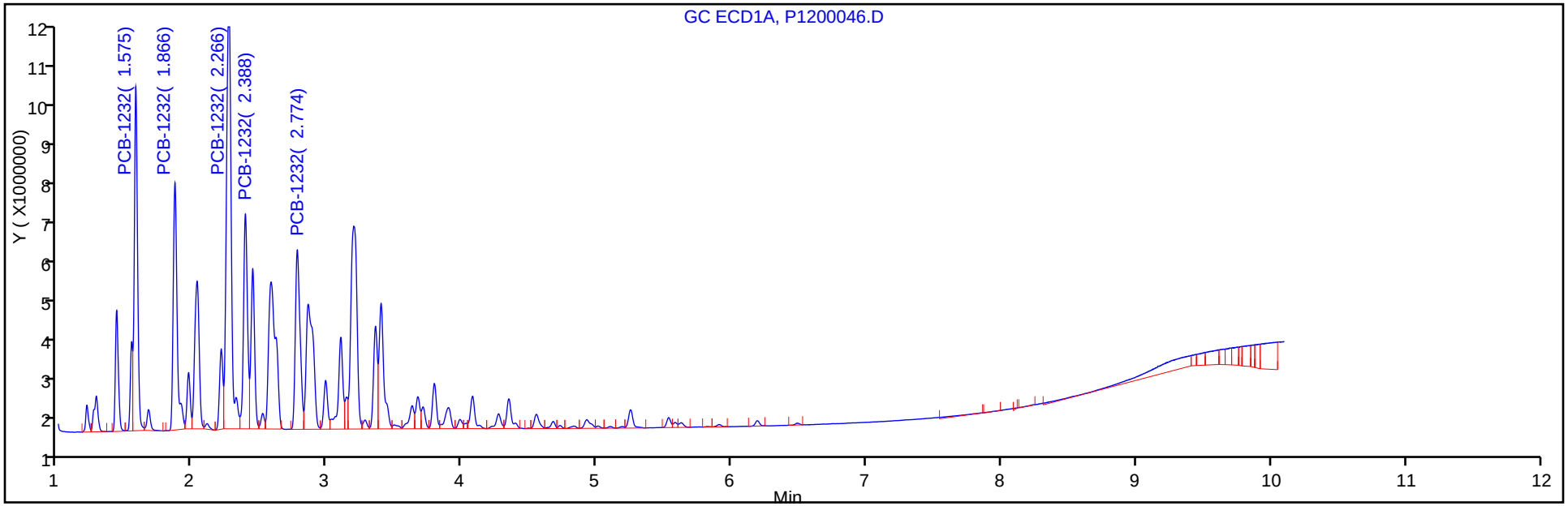
Report Date: 02-Apr-2013 07:01:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

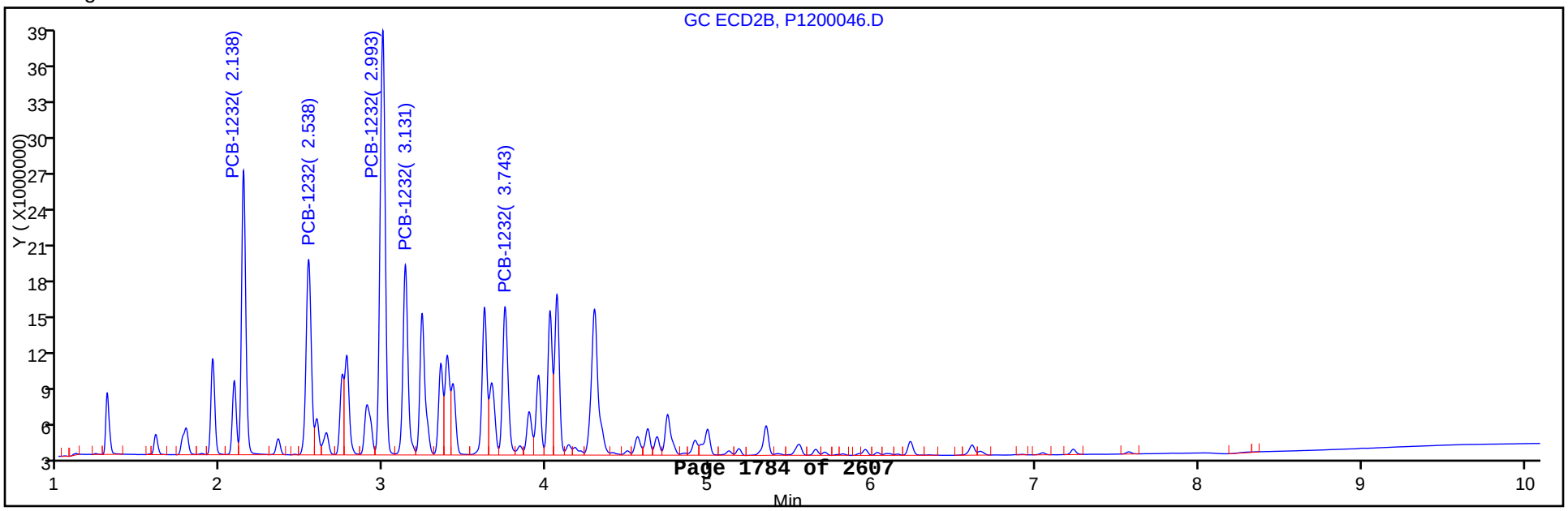
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200046.D

Injection Date:	01-Apr-2013 20:23:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/46 Calibration Date: 04/01/2013 20:23

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 10:09

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 11:21

Lab File ID: P1200046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	53364697	43305716		0.812	1.00	-18.8	20.0
PCB-1232 Peak 2	Ave	40566799	36363418		0.896	1.00	-10.4	20.0
PCB-1232 Peak 3	Ave	80450386	78751574		0.979	1.00	-2.1	20.0
PCB-1232 Peak 4	Ave	36612715	33906747		0.926	1.00	-7.4	20.0
PCB-1232 Peak 5	Ave	30872557	28749588		0.931	1.00	-6.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/46 Calibration Date: 04/01/2013 20:23

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 10:09

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 11:21

Lab File ID: P1200046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.14	2.09	2.19
PCB-1232 Peak 2	2.54	2.49	2.59
PCB-1232 Peak 3	2.99	2.95	3.05
PCB-1232 Peak 4	3.13	3.09	3.19
PCB-1232 Peak 5	3.74	3.70	3.80

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 01-Apr-2013 20:23:59 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-046
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 80043 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.575	1.577	-0.002	15123644	0.8320		100.0	
1	2	1.866	1.868	-0.002	13124037	0.8960	57.1- 107.1	86.8	
1	3	2.266	2.270	-0.004	27633684	0.9716	138.6- 188.6	182.7	
1	4	2.388	2.393	-0.005	11382903	0.9485	43.2- 93.2	75.3	
1	5	2.774	2.777	-0.003	11383278	0.9728	41.1- 91.1	75.3	
			Average of Peak Amounts =			0.9242			
2	6	2.138	2.138	0.000	43305716	0.8115		100.0	
2	7	2.538	2.540	-0.002	36363418	0.8964	47.1- 107.1	84.0	
2	8	2.993	2.996	-0.003	78751574	0.9789	119.9- 179.9	181.9	
2	9	3.131	3.136	-0.005	33906747	0.9261	38.2- 98.2	78.3	
2	10	3.743	3.750	-0.007	28749588	0.9312	29.2- 89.2	66.4	
			Average of Peak Amounts =			0.9088			
						RPD = 1.68			

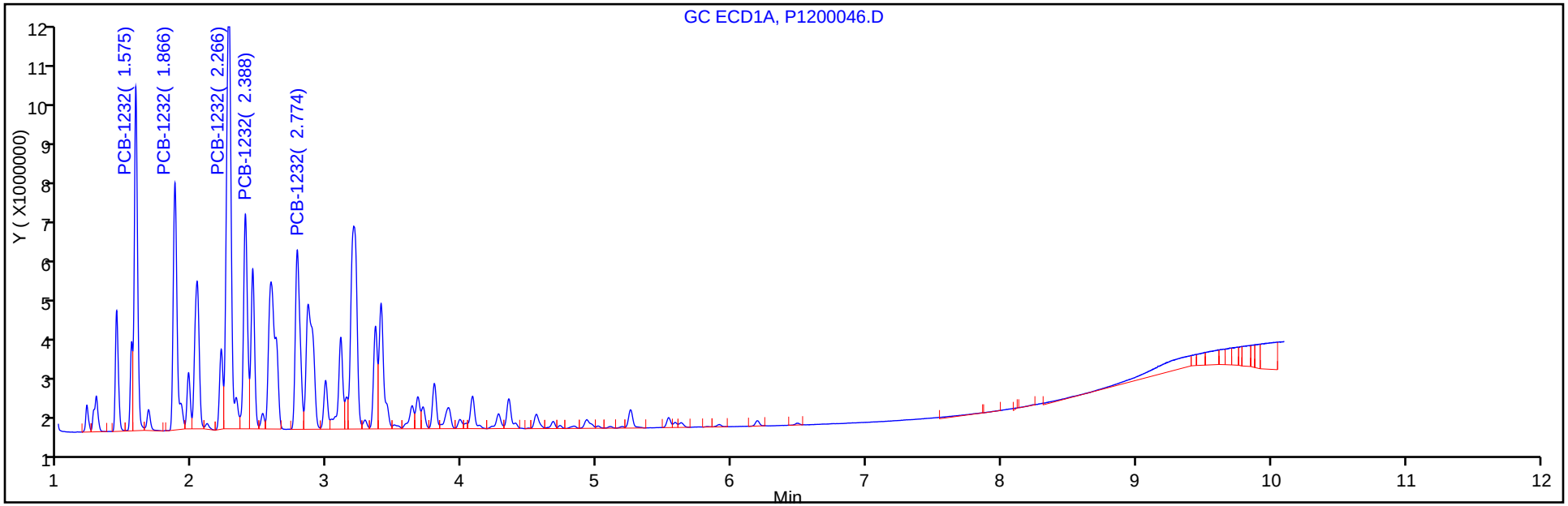
Report Date: 02-Apr-2013 07:01:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

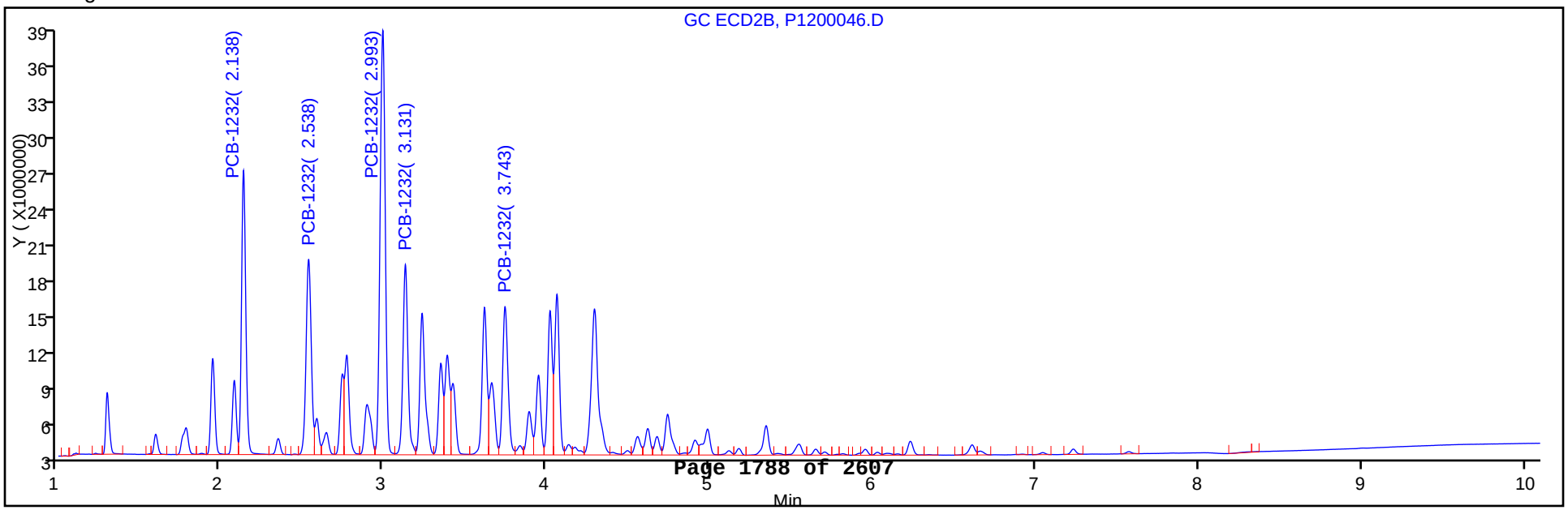
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200046.D

Injection Date:	01-Apr-2013 20:23:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/47 Calibration Date: 04/01/2013 20:38

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 11:35

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 12:48

Lab File ID: P1200047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	12831376	13138210		1.02	1.00	2.4	20.0
PCB-1242 Peak 2	Ave	24783748	25917329		1.05	1.00	4.6	20.0
PCB-1242 Peak 3	Ave	51586875	54685987		1.06	1.00	6.0	20.0
PCB-1242 Peak 4	Ave	22033277	23859592		1.08	1.00	8.3	20.0
PCB-1242 Peak 5	Ave	23477932	25586962		1.09	1.00	9.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/47 Calibration Date: 04/01/2013 20:38

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 11:35

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 12:48

Lab File ID: P1200047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.58	1.53	1.63
PCB-1242 Peak 2	1.87	1.82	1.92
PCB-1242 Peak 3	2.27	2.22	2.32
PCB-1242 Peak 4	2.39	2.34	2.44
PCB-1242 Peak 5	2.77	2.73	2.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 01-Apr-2013 20:38:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-047
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 80043 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.577	1.575	0.002	13138210	1.02		100.0	
1	2	1.867	1.865	0.002	25917329	1.05	163.6- 213.6	197.3	
1	3	2.267	2.265	0.002	54685987	1.06	347.0- 397.0	416.2	
1	4	2.389	2.388	0.001	23859592	1.08	141.6- 191.6	181.6	
1	5	2.774	2.775	-0.001	25586962	1.09	150.4- 200.4	194.8	
			Average of Peak Amounts =			1.06			
2	6	2.137	2.136	0.001	38836658	1.02		100.0	
2	7	2.537	2.536	0.001	76567284	1.06	162.4- 222.4	197.2	
2	8	2.992	2.991	0.001	168257286	1.14	348.9- 408.9	433.2	
2	9	3.131	3.130	0.001	69808242	1.08	136.6- 196.6	179.7	
2	10	3.617	3.615	0.002	58519718	1.27	108.6- 168.6	150.7	
			Average of Peak Amounts =			1.11			
						RPD = 4.68			

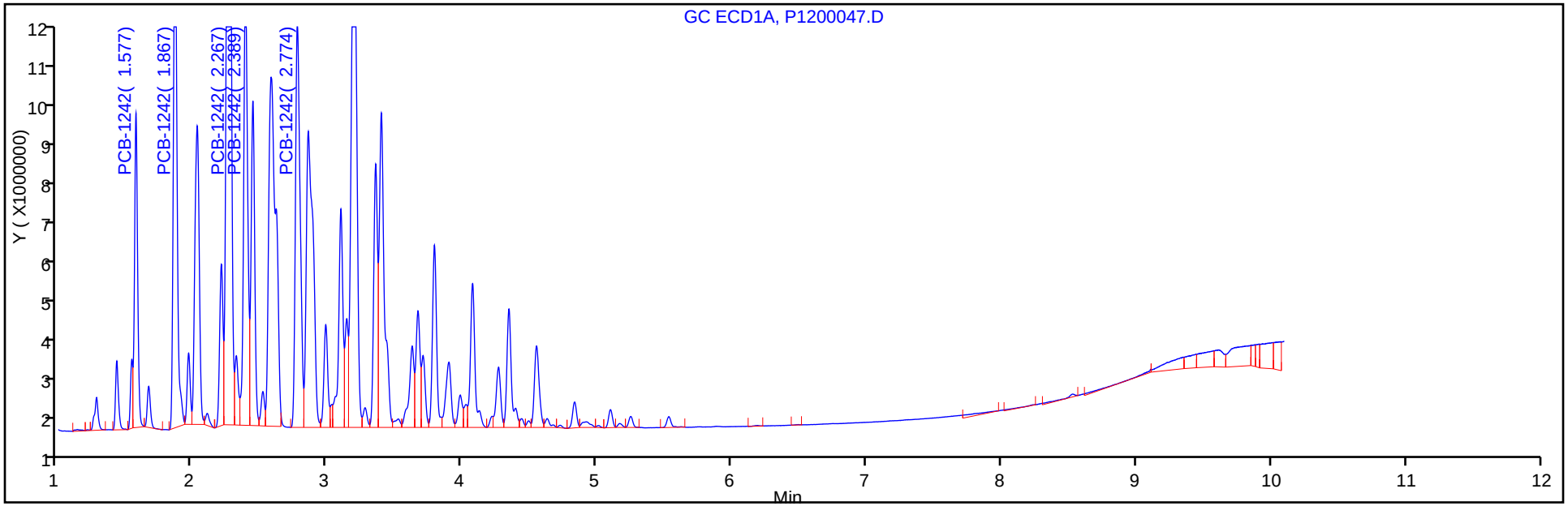
Report Date: 02-Apr-2013 07:01:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

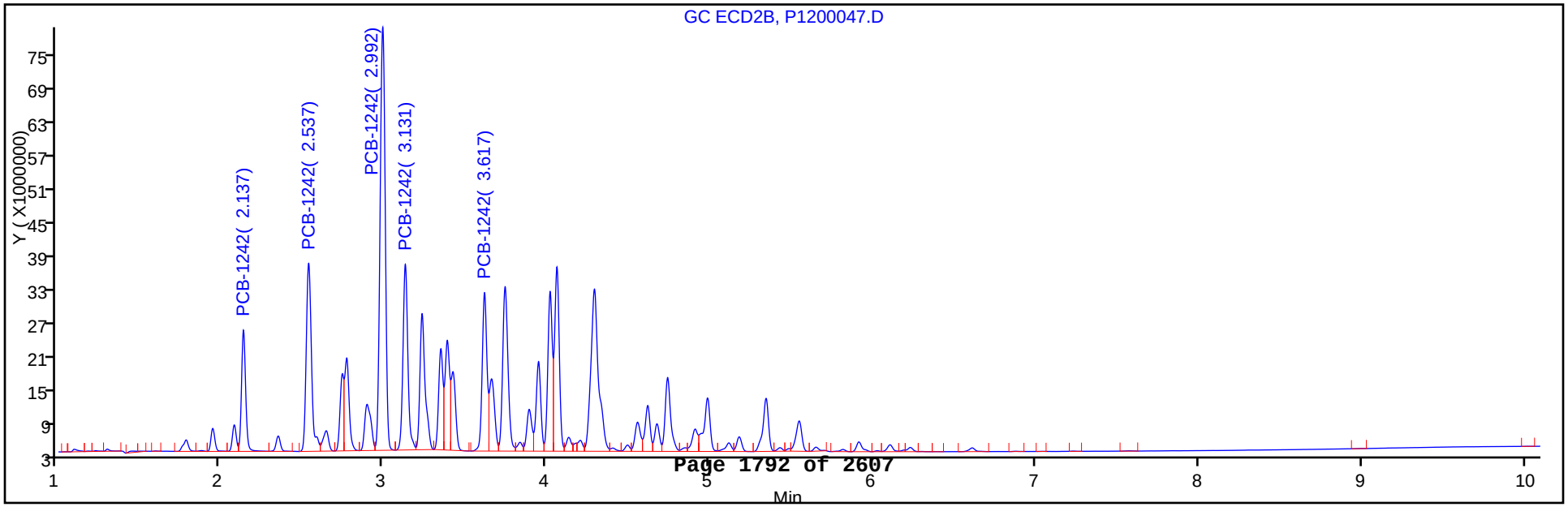
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200047.D

Injection Date:	01-Apr-2013 20:38:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/47 Calibration Date: 04/01/2013 20:38

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 11:35

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 12:48

Lab File ID: P1200047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	38122353	38836658		1.02	1.00	1.9	20.0
PCB-1242 Peak 2	Ave	72562393	76567284		1.06	1.00	5.5	20.0
PCB-1242 Peak 3	Ave	147546944	168257286		1.14	1.00	14.0	20.0
PCB-1242 Peak 4	Ave	64813150	69808242		1.08	1.00	7.7	20.0
PCB-1242 Peak 5	Lin1		58519718		1.27	1.00	26.5*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/47 Calibration Date: 04/01/2013 20:38

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 11:35

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 12:48

Lab File ID: P1200047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.14	2.09	2.19
PCB-1242 Peak 2	2.54	2.49	2.59
PCB-1242 Peak 3	2.99	2.94	3.04
PCB-1242 Peak 4	3.13	3.08	3.18
PCB-1242 Peak 5	3.62	3.57	3.67

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 01-Apr-2013 20:38:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-047
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 80043 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.577	1.575	0.002	13138210	1.02		100.0	
1	2	1.867	1.865	0.002	25917329	1.05	163.6- 213.6	197.3	
1	3	2.267	2.265	0.002	54685987	1.06	347.0- 397.0	416.2	
1	4	2.389	2.388	0.001	23859592	1.08	141.6- 191.6	181.6	
1	5	2.774	2.775	-0.001	25586962	1.09	150.4- 200.4	194.8	
			Average of Peak Amounts =			1.06			
2	6	2.137	2.136	0.001	38836658	1.02		100.0	
2	7	2.537	2.536	0.001	76567284	1.06	162.4- 222.4	197.2	
2	8	2.992	2.991	0.001	168257286	1.14	348.9- 408.9	433.2	
2	9	3.131	3.130	0.001	69808242	1.08	136.6- 196.6	179.7	
2	10	3.617	3.615	0.002	58519718	1.27	108.6- 168.6	150.7	
			Average of Peak Amounts =			1.11			
						RPD = 4.68			

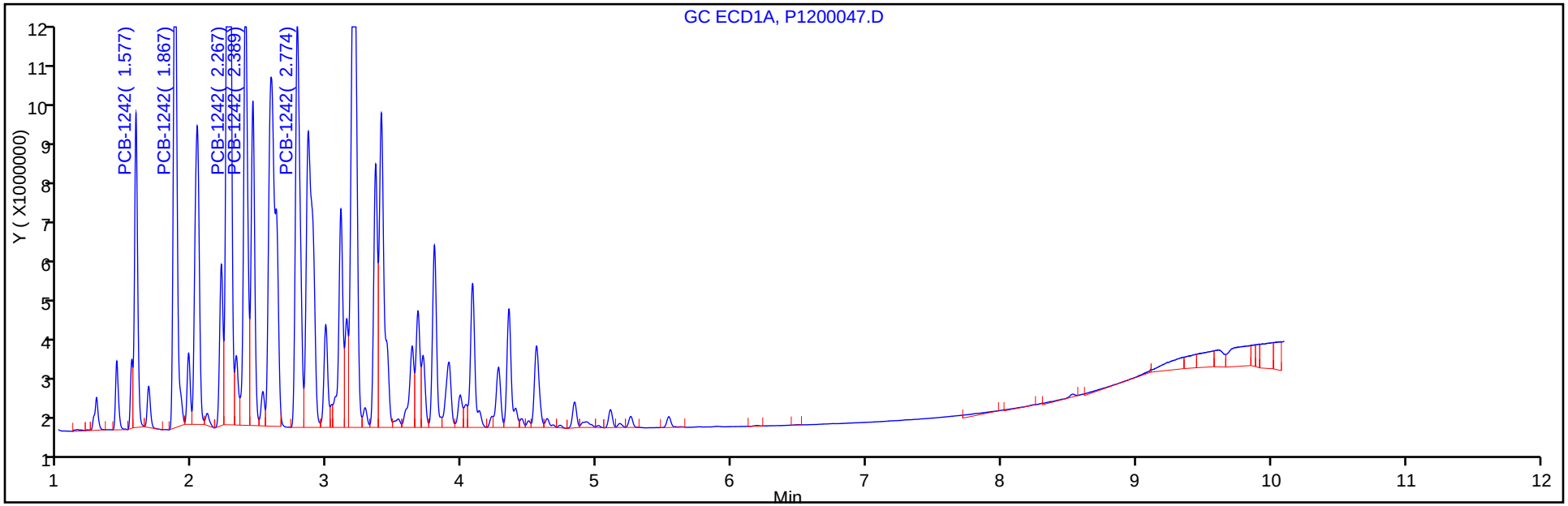
Report Date: 02-Apr-2013 07:01:32 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

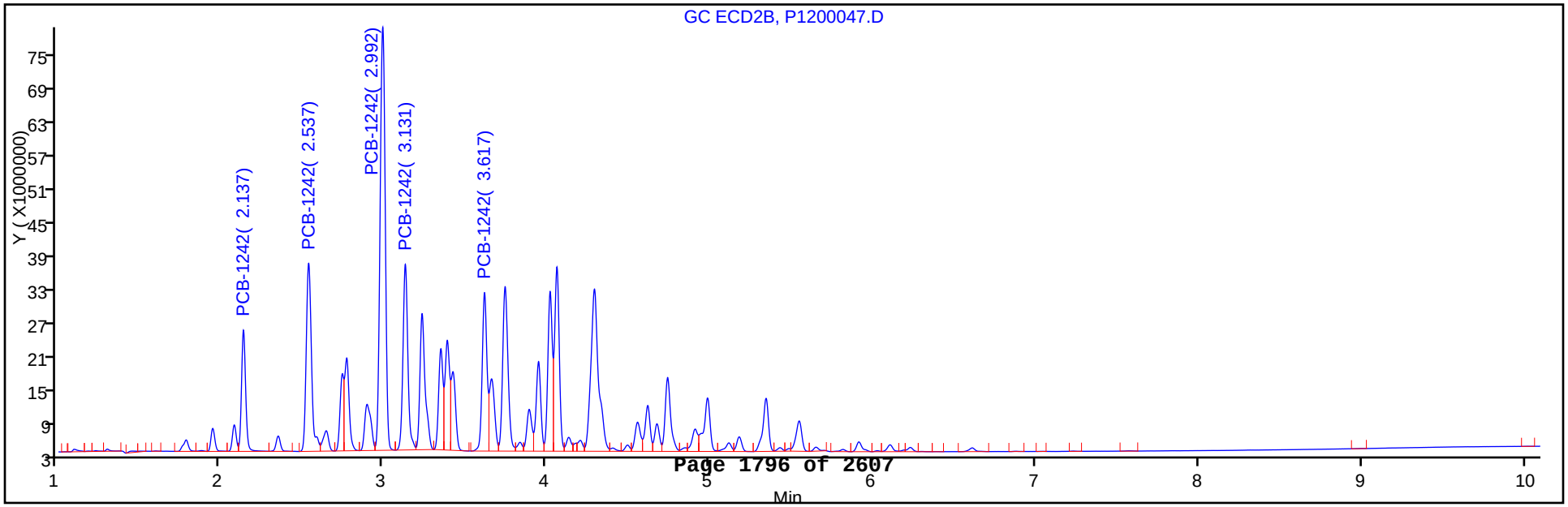
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200047.D

Injection Date:	01-Apr-2013 20:38:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/48 Calibration Date: 04/01/2013 20:52

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 13:02

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 14:13

Lab File ID: P1200048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	12383343	11638395		0.940	1.00	-6.0	20.0
PCB-1248 Peak 2	Ave	32422157	29168793		0.900	1.00	-10.0	20.0
PCB-1248 Peak 3	Ave	36647974	30857685		0.842	1.00	-15.8	20.0
PCB-1248 Peak 4	Ave	21004681	17454018		0.831	1.00	-16.9	20.0
PCB-1248 Peak 5	Ave	18950866	16271866		0.859	1.00	-14.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/48 Calibration Date: 04/01/2013 20:52

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 13:02

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 14:13

Lab File ID: P1200048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.87	1.81	1.91
PCB-1248 Peak 2	2.26	2.21	2.31
PCB-1248 Peak 3	2.77	2.72	2.82
PCB-1248 Peak 4	3.36	3.31	3.41
PCB-1248 Peak 5	3.79	3.74	3.84

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 01-Apr-2013 20:52:36 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-048
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 80043 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.865	1.863	0.002	11638395	0.9398		100.0	
1	2	2.264	2.264	0.000	29168793	0.8997	236.7- 286.7	250.6	
1	3	2.773	2.773	0.000	30857685	0.8420	270.2- 320.2	265.1	
1	4	3.356	3.356	0.000	17454018	0.8310	145.6- 195.6	150.0	
1	5	3.791	3.792	-0.001	16271866	0.8586	127.6- 177.6	139.8	
			Average of Peak Amounts =			0.8742			
2	6	2.536	2.535	0.001	32923343	0.9274		100.0	
2	7	2.991	2.989	0.002	87447352	0.9222	235.6- 295.6	265.6	
2	8	3.617	3.617	0.000	72842173	0.8369	215.6- 275.6	221.2	
2	9	4.061	4.062	-0.001	87816843	0.8425	261.1- 321.1	266.7	
2	10	4.741	4.740	0.001	49184056	0.8650	131.8- 191.8	149.4	
			Average of Peak Amounts =			0.8788			
						RPD = 0.52			

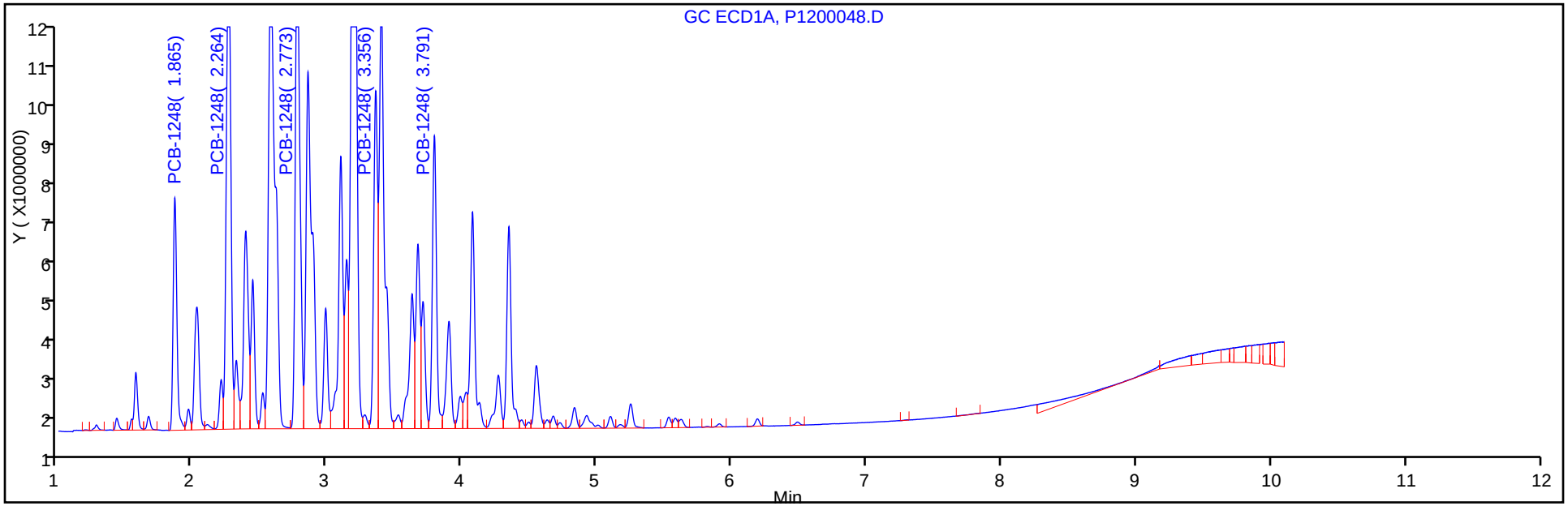
Report Date: 02-Apr-2013 07:01:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

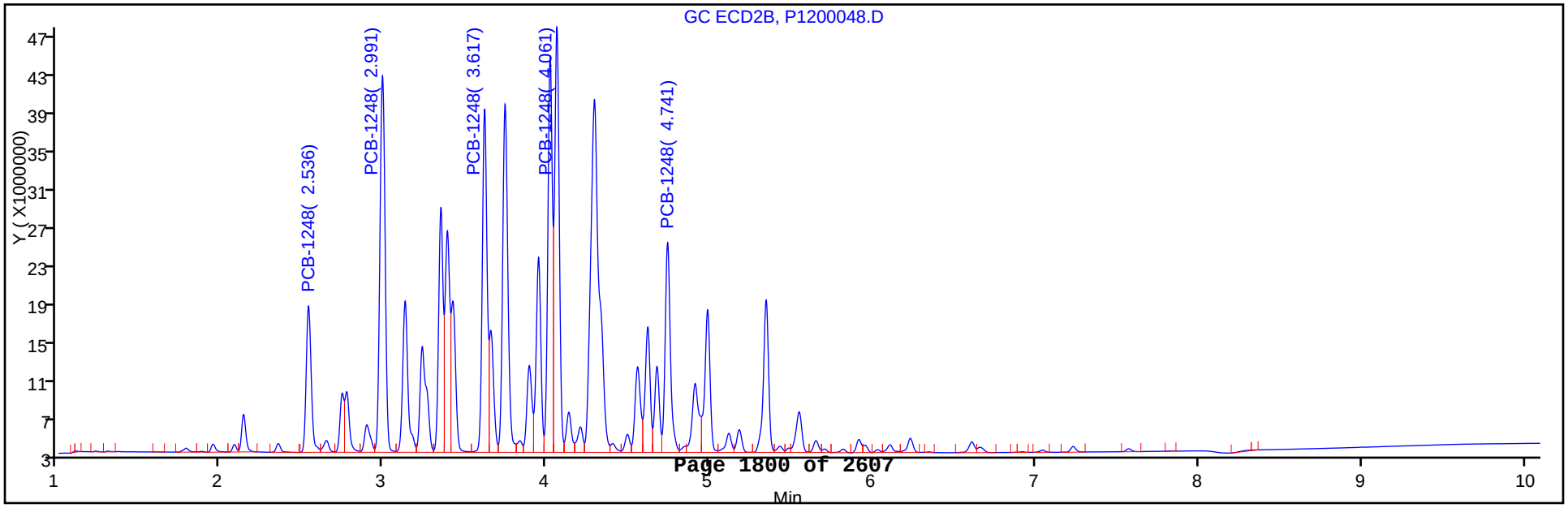
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200048.D

Injection Date:	01-Apr-2013 20:52:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/48 Calibration Date: 04/01/2013 20:52

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 13:02

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 14:13

Lab File ID: P1200048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	35501935	32923343		0.927	1.00	-7.3	20.0
PCB-1248 Peak 2	Ave	94824610	87447352		0.922	1.00	-7.8	20.0
PCB-1248 Peak 3	Ave	87041987	72842173		0.837	1.00	-16.3	20.0
PCB-1248 Peak 4	Ave	104232104	87816843		0.843	1.00	-15.7	20.0
PCB-1248 Peak 5	Ave	56862330	49184056		0.865	1.00	-13.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/48 Calibration Date: 04/01/2013 20:52

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 13:02

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 14:13

Lab File ID: P1200048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.54	2.49	2.59
PCB-1248 Peak 2	2.99	2.94	3.04
PCB-1248 Peak 3	3.62	3.57	3.67
PCB-1248 Peak 4	4.06	4.01	4.11
PCB-1248 Peak 5	4.74	4.69	4.79

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 01-Apr-2013 20:52:36 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-048
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 80043 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.865	1.863	0.002	11638395	0.9398		100.0	
1	2	2.264	2.264	0.000	29168793	0.8997	236.7- 286.7	250.6	
1	3	2.773	2.773	0.000	30857685	0.8420	270.2- 320.2	265.1	
1	4	3.356	3.356	0.000	17454018	0.8310	145.6- 195.6	150.0	
1	5	3.791	3.792	-0.001	16271866	0.8586	127.6- 177.6	139.8	
			Average of Peak Amounts =			0.8742			
2	6	2.536	2.535	0.001	32923343	0.9274		100.0	
2	7	2.991	2.989	0.002	87447352	0.9222	235.6- 295.6	265.6	
2	8	3.617	3.617	0.000	72842173	0.8369	215.6- 275.6	221.2	
2	9	4.061	4.062	-0.001	87816843	0.8425	261.1- 321.1	266.7	
2	10	4.741	4.740	0.001	49184056	0.8650	131.8- 191.8	149.4	
			Average of Peak Amounts =			0.8788			
						RPD = 0.52			

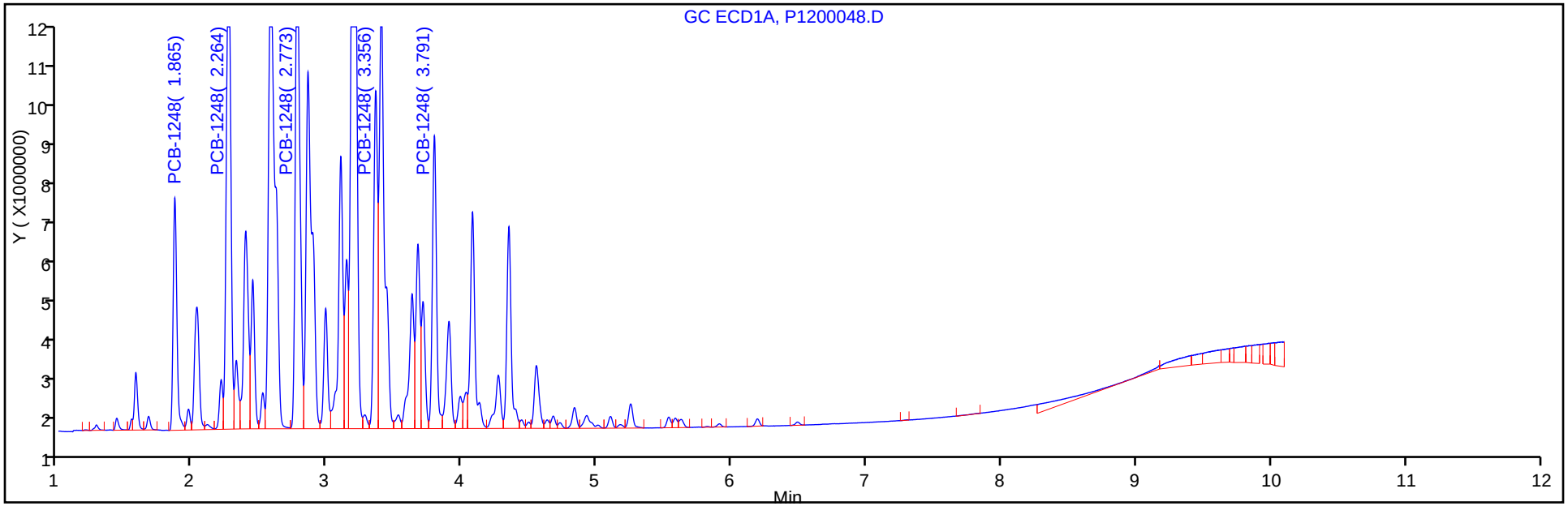
Report Date: 02-Apr-2013 07:01:34 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

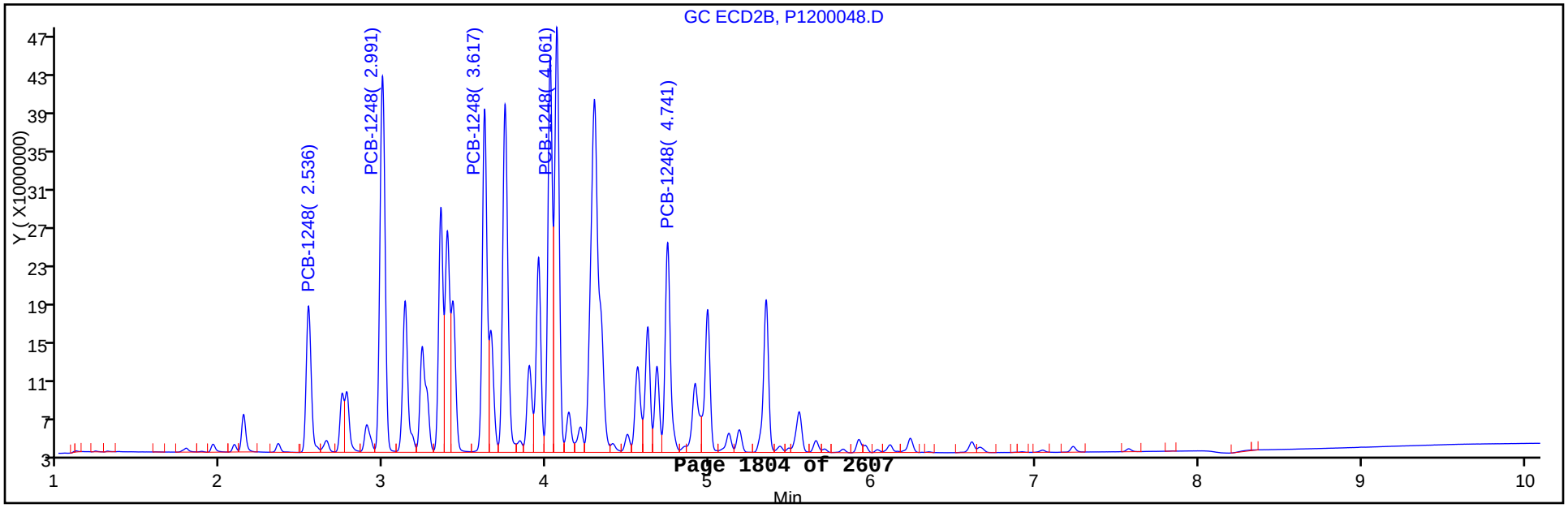
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200048.D

Injection Date:	01-Apr-2013 20:52:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/49 Calibration Date: 04/01/2013 21:06

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	58490055	50550323		0.864	1.00	-13.6	20.0
PCB-1254 Peak 2	Ave	60238638	55159163		0.916	1.00	-8.4	20.0
PCB-1254 Peak 3	Ave	50334674	46750690		0.929	1.00	-7.1	20.0
PCB-1254 Peak 4	Ave	43289828	40351371		0.932	1.00	-6.8	20.0
PCB-1254 Peak 5	Ave	61999384	59941725		0.967	1.00	-3.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/49 Calibration Date: 04/01/2013 21:06

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.40	3.35	3.45
PCB-1254 Peak 2	3.79	3.74	3.84
PCB-1254 Peak 3	4.08	4.03	4.13
PCB-1254 Peak 4	4.27	4.22	4.32
PCB-1254 Peak 5	4.55	4.50	4.60

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 01-Apr-2013 21:06:39 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-049
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 80043 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.404	3.404	0.000	50550323	0.8643		100.0	
1	2	3.792	3.792	0.000	55159163	0.9157	74.5- 124.5	109.1	
1	3	4.075	4.075	0.000	46750690	0.9288	64.0- 114.0	92.5	
1	4	4.267	4.269	-0.002	40351371	0.9321	50.5- 100.5	79.8	
1	5	4.549	4.550	-0.001	59941725	0.9668	82.9- 132.9	118.6	
			Average of Peak Amounts =			0.9215			
2	6	4.267	4.268	-0.001	101964906	0.9059		100.0	
2	7	4.740	4.741	-0.001	163687133	0.9405	124.4- 184.4	160.5	
2	8	4.985	4.986	-0.001	115106436	0.9374	78.3- 138.3	112.9	
2	9	5.345	5.345	0.000	137076834	0.9626	95.8- 155.8	134.4	
2	10	5.549	5.549	0.000	169515494	1.01	119.6- 179.6	166.2	
			Average of Peak Amounts =			0.9508			
						RPD = 3.13			

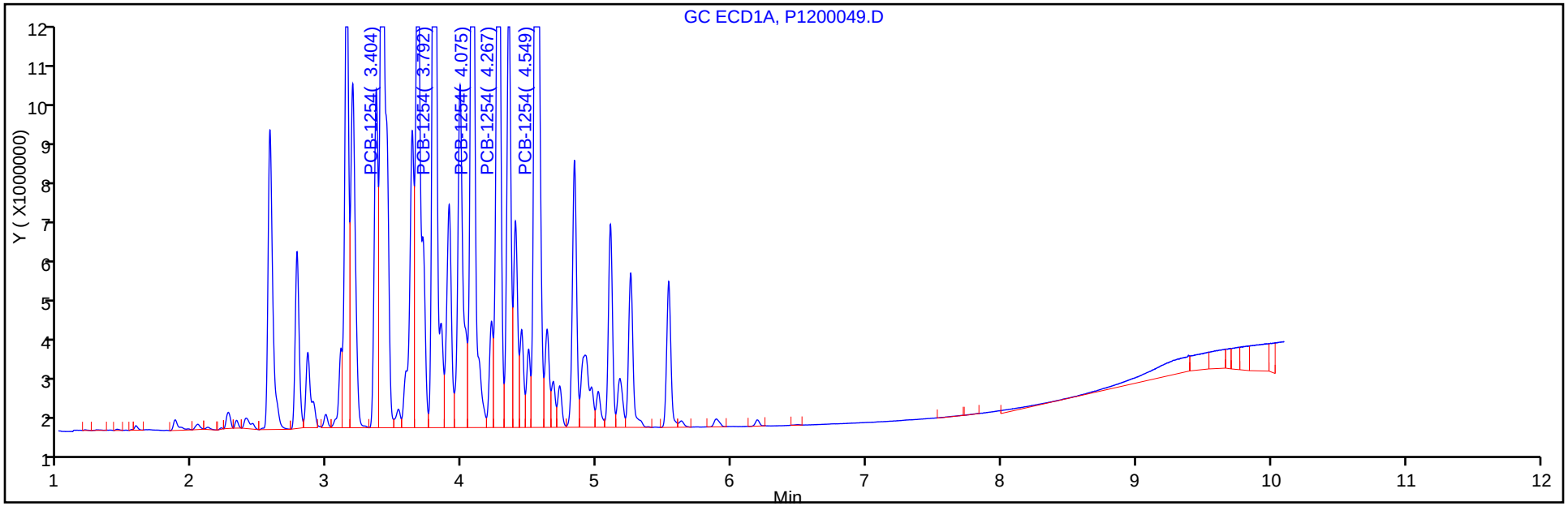
Report Date: 02-Apr-2013 07:01:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

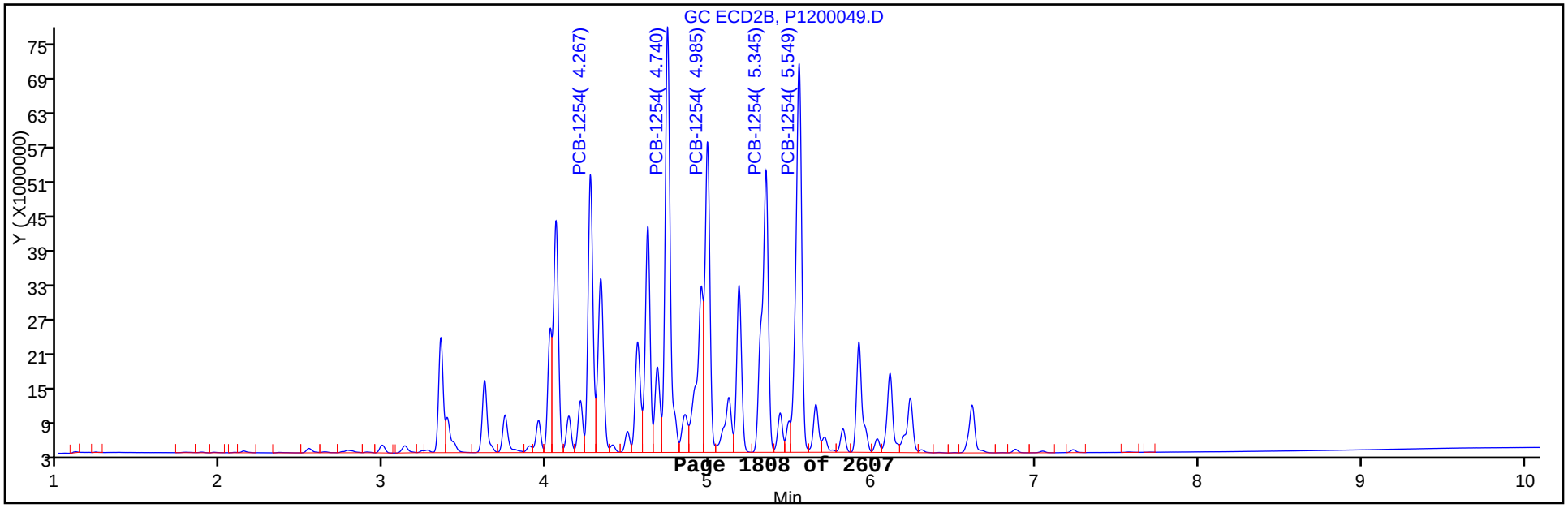
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200049.D

Injection Date:	01-Apr-2013 21:06:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/49 Calibration Date: 04/01/2013 21:06

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	112551906	101964906		0.906	1.00	-9.4	20.0
PCB-1254 Peak 2	Ave	174041722	163687133		0.941	1.00	-5.9	20.0
PCB-1254 Peak 3	Ave	122787540	115106436		0.937	1.00	-6.3	20.0
PCB-1254 Peak 4	Ave	142403158	137076834		0.963	1.00	-3.7	20.0
PCB-1254 Peak 5	Ave	168222990	169515494		1.01	1.00	0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/49 Calibration Date: 04/01/2013 21:06

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 14:28

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 15:39

Lab File ID: P1200049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.27	4.22	4.32
PCB-1254 Peak 2	4.74	4.69	4.79
PCB-1254 Peak 3	4.99	4.94	5.04
PCB-1254 Peak 4	5.35	5.30	5.40
PCB-1254 Peak 5	5.55	5.50	5.60

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 01-Apr-2013 21:06:39 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-049
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 80043 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.404	3.404	0.000	50550323	0.8643		100.0	
1	2	3.792	3.792	0.000	55159163	0.9157	74.5- 124.5	109.1	
1	3	4.075	4.075	0.000	46750690	0.9288	64.0- 114.0	92.5	
1	4	4.267	4.269	-0.002	40351371	0.9321	50.5- 100.5	79.8	
1	5	4.549	4.550	-0.001	59941725	0.9668	82.9- 132.9	118.6	
			Average of Peak Amounts =			0.9215			
2	6	4.267	4.268	-0.001	101964906	0.9059		100.0	
2	7	4.740	4.741	-0.001	163687133	0.9405	124.4- 184.4	160.5	
2	8	4.985	4.986	-0.001	115106436	0.9374	78.3- 138.3	112.9	
2	9	5.345	5.345	0.000	137076834	0.9626	95.8- 155.8	134.4	
2	10	5.549	5.549	0.000	169515494	1.01	119.6- 179.6	166.2	
			Average of Peak Amounts =			0.9508			
						RPD = 3.13			

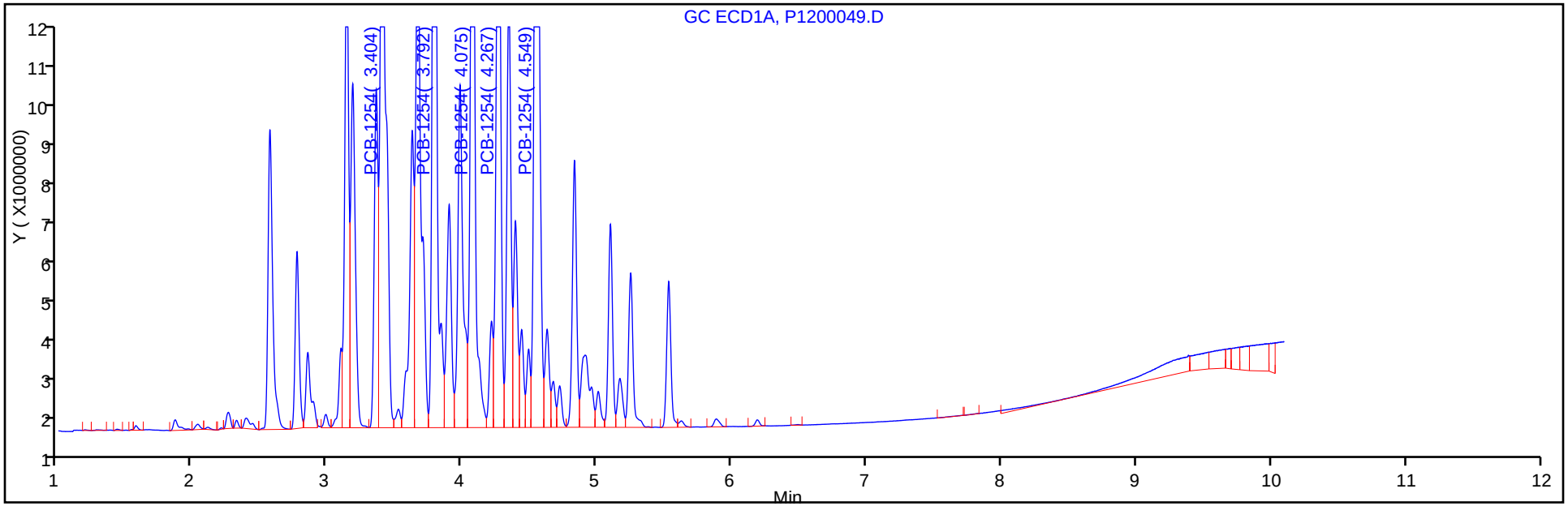
Report Date: 02-Apr-2013 07:01:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

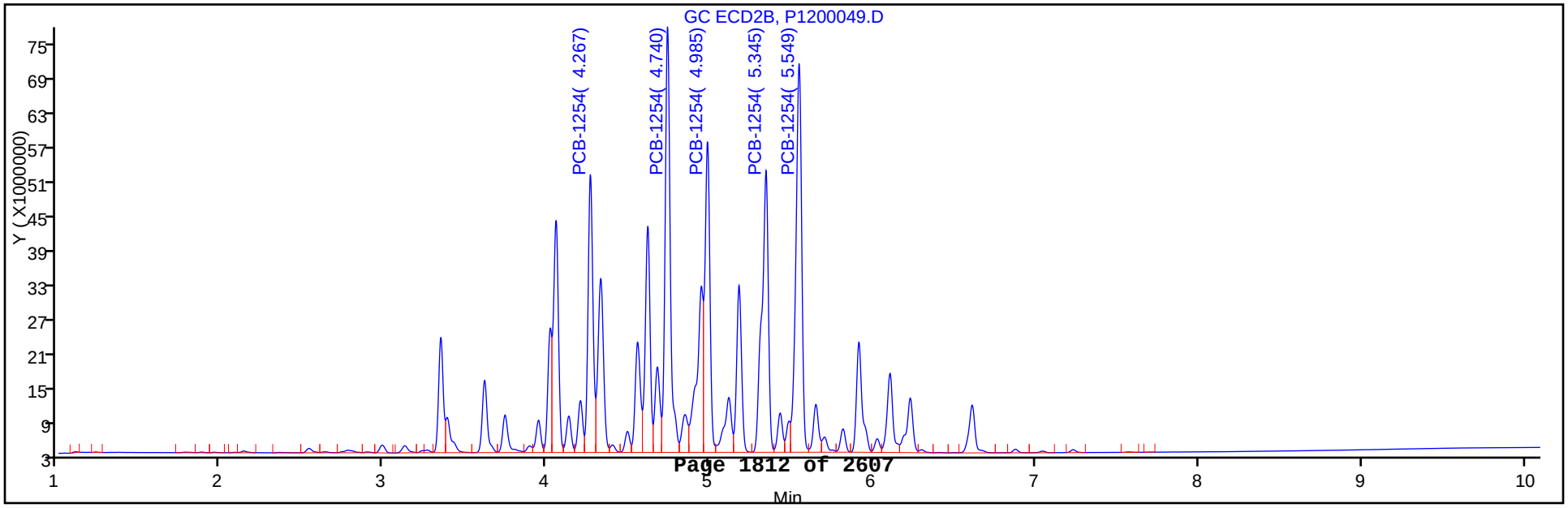
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200049.D

Injection Date:	01-Apr-2013 21:06:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/50 Calibration Date: 04/01/2013 21:20

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	16186104	14696514		0.908	1.00	-9.2	20.0
PCB-1016 Peak 2	Ave	30075346	29640384		0.986	1.00	-1.4	20.0
PCB-1016 Peak 3	Ave	63982891	66932016		1.05	1.00	4.6	20.0
PCB-1016 Peak 4	Ave	27020466	27200657		1.01	1.00	0.7	20.0
PCB-1016 Peak 5	Ave	28253356	27699213		0.980	1.00	-2.0	20.0
PCB-1260 Peak 1	Ave	43598192	41686475		0.956	1.00	-4.4	20.0
PCB-1260 Peak 2	Ave	86122108	83974029		0.975	1.00	-2.5	20.0
PCB-1260 Peak 3	Ave	84445888	77199062		0.914	1.00	-8.6	20.0
PCB-1260 Peak 4	Ave	118319074	140884757		1.19	1.00	19.1	20.0
PCB-1260 Peak 5	Ave	56124257	61213576		1.09	1.00	9.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/50 Calibration Date: 04/01/2013 21:20

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.87	1.82	1.92
PCB-1016 Peak 3	2.27	2.22	2.32
PCB-1016 Peak 4	2.39	2.34	2.44
PCB-1016 Peak 5	2.77	2.72	2.82
PCB-1260 Peak 1	3.98	3.93	4.03
PCB-1260 Peak 2	4.27	4.22	4.32
PCB-1260 Peak 3	4.55	4.50	4.60
PCB-1260 Peak 4	5.25	5.20	5.30
PCB-1260 Peak 5	5.53	5.48	5.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 01-Apr-2013 21:20:53 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-050
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 80043 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.576	1.576	0.000	14696514	0.9080		100.0	
1	2	1.866	1.867	-0.001	29640384	0.9855	165.5- 215.5	201.7	
1	3	2.267	2.267	0.000	66932016	1.05	356.7- 406.7	455.4	
1	4	2.389	2.389	0.000	27200657	1.01	144.0- 194.0	185.1	
1	5	2.774	2.774	0.000	27699213	0.9804	153.1- 203.1	188.5	
			Average of Peak Amounts =			0.9853			
2	6	2.138	2.137	0.001	41840052	0.9236		100.0	
2	7	2.538	2.537	0.001	87085521	1.00	165.6- 225.6	208.1	
2	8	2.993	2.992	0.001	197044596	1.08	366.1- 426.1	470.9	
2	9	3.131	3.131	0.000	82152081	1.04	144.6- 204.6	196.3	
2	10	3.618	3.617	0.001	63487604	0.9636	112.9- 172.9	151.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.54			
10 PCB-1260									
1	100	3.982	3.982	0.000	41686475	0.9562		100.0	
1	2	4.269	4.270	-0.001	83974029	0.9751	172.1- 222.1	201.4	
1	3	4.549	4.549	0.000	77199062	0.9142	168.4- 218.4	185.2	
1	4	5.249	5.249	0.000	140884757	1.19	244.3- 294.3	338.0	
1	5	5.529	5.532	-0.003	61213576	1.09	104.3- 154.3	146.8	
			Average of Peak Amounts =			1.03			
2	6	4.949	4.951	-0.002	124509373	0.9588		100.0	
2	7	5.181	5.182	-0.001	143909090	0.99	80.1- 140.1	115.6	
2	8	5.548	5.547	0.001	215622179	0.9328	146.6- 206.6	173.2	
2	9	6.231	6.232	-0.001	328851587	1.22	174.1- 234.1	264.1	
2	10	6.610	6.611	-0.001	232003523	1.16	121.8- 181.8	186.3	
			Average of Peak Amounts =			1.05			
						RPD = 2.66			

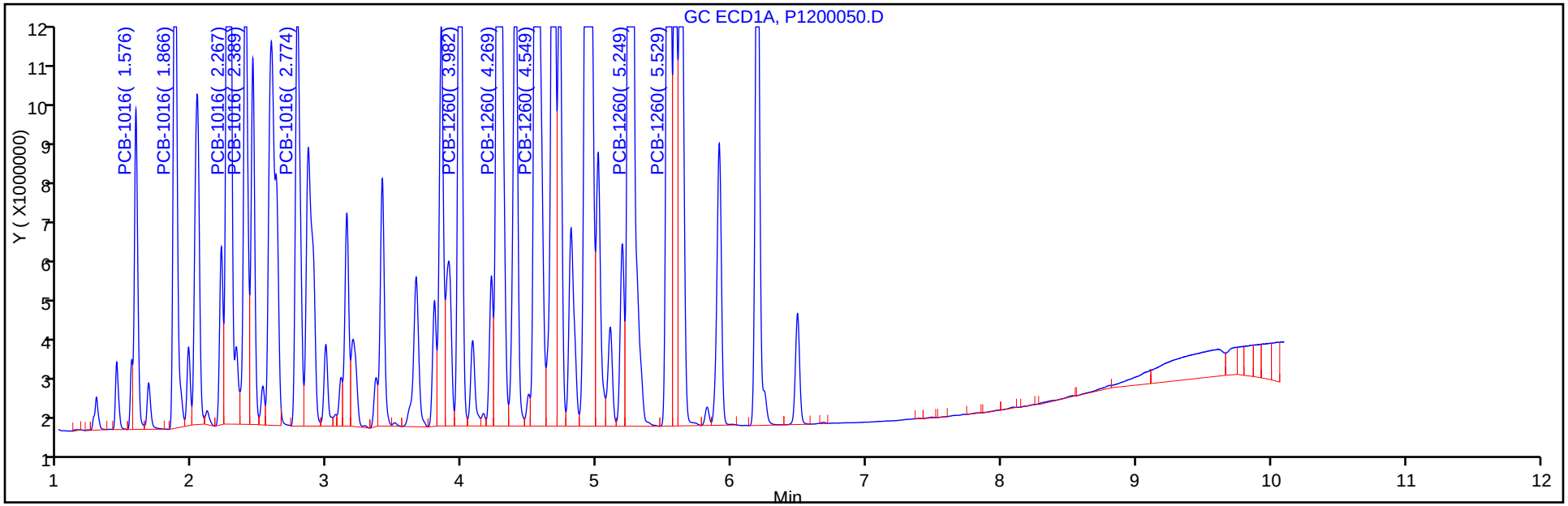
Report Date: 02-Apr-2013 07:01:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

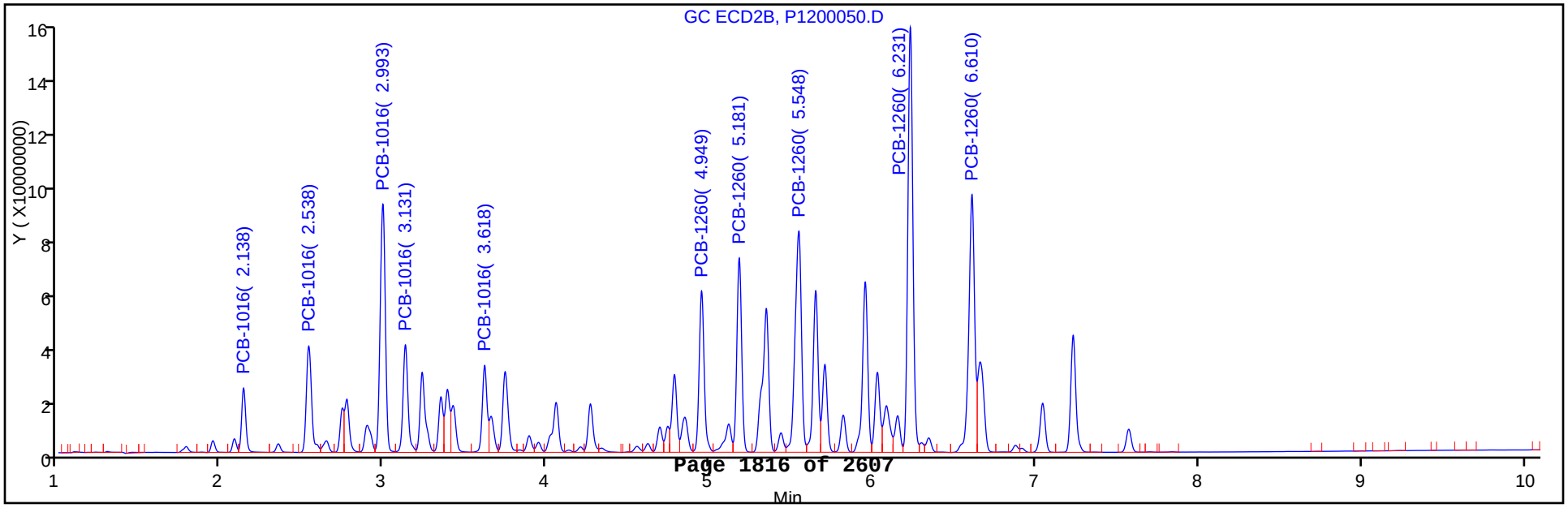
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Injection Date:	01-Apr-2013 21:20:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/50 Calibration Date: 04/01/2013 21:20

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	45299578	41840052		0.924	1.00	-7.6	20.0
PCB-1016 Peak 2	Ave	87494510	87085521		0.995	1.00	-0.5	20.0
PCB-1016 Peak 3	Ave	181900224	197044596		1.08	1.00	8.3	20.0
PCB-1016 Peak 4	Ave	79207688	82152081		1.04	1.00	3.7	20.0
PCB-1016 Peak 5	Ave	65886914	63487604		0.964	1.00	-3.6	20.0
PCB-1260 Peak 1	Ave	129864022	124509373		0.959	1.00	-4.1	20.0
PCB-1260 Peak 2	Ave	145267081	143909090		0.991	1.00	-0.9	20.0
PCB-1260 Peak 3	Ave	231145923	215622179		0.933	1.00	-6.7	20.0
PCB-1260 Peak 4	Ave	268767373	328851587		1.22	1.00	22.4*	20.0
PCB-1260 Peak 5	Ave	200141995	232003523		1.16	1.00	15.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 240-80043/50 Calibration Date: 04/01/2013 21:20

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.54	2.49	2.59
PCB-1016 Peak 3	2.99	2.94	3.04
PCB-1016 Peak 4	3.13	3.08	3.18
PCB-1016 Peak 5	3.62	3.57	3.67
PCB-1260 Peak 1	4.95	4.90	5.00
PCB-1260 Peak 2	5.18	5.13	5.23
PCB-1260 Peak 3	5.55	5.50	5.60
PCB-1260 Peak 4	6.23	6.18	6.28
PCB-1260 Peak 5	6.61	6.56	6.66

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 01-Apr-2013 21:20:53 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018420-050
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 80043 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\PCB12.m
Last Update: 02-Apr-2013 07:01:24 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK018

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.576	1.576	0.000	14696514	0.9080		100.0	
1	2	1.866	1.867	-0.001	29640384	0.9855	165.5- 215.5	201.7	
1	3	2.267	2.267	0.000	66932016	1.05	356.7- 406.7	455.4	
1	4	2.389	2.389	0.000	27200657	1.01	144.0- 194.0	185.1	
1	5	2.774	2.774	0.000	27699213	0.9804	153.1- 203.1	188.5	
			Average of Peak Amounts =			0.9853			
2	6	2.138	2.137	0.001	41840052	0.9236		100.0	
2	7	2.538	2.537	0.001	87085521	1.00	165.6- 225.6	208.1	
2	8	2.993	2.992	0.001	197044596	1.08	366.1- 426.1	470.9	
2	9	3.131	3.131	0.000	82152081	1.04	144.6- 204.6	196.3	
2	10	3.618	3.617	0.001	63487604	0.9636	112.9- 172.9	151.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.54			
10 PCB-1260									
1	100	3.982	3.982	0.000	41686475	0.9562		100.0	
1	2	4.269	4.270	-0.001	83974029	0.9751	172.1- 222.1	201.4	
1	3	4.549	4.549	0.000	77199062	0.9142	168.4- 218.4	185.2	
1	4	5.249	5.249	0.000	140884757	1.19	244.3- 294.3	338.0	
1	5	5.529	5.532	-0.003	61213576	1.09	104.3- 154.3	146.8	
			Average of Peak Amounts =			1.03			
2	6	4.949	4.951	-0.002	124509373	0.9588		100.0	
2	7	5.181	5.182	-0.001	143909090	0.99	80.1- 140.1	115.6	
2	8	5.548	5.547	0.001	215622179	0.9328	146.6- 206.6	173.2	
2	9	6.231	6.232	-0.001	328851587	1.22	174.1- 234.1	264.1	
2	10	6.610	6.611	-0.001	232003523	1.16	121.8- 181.8	186.3	
			Average of Peak Amounts =			1.05			
						RPD = 2.66			

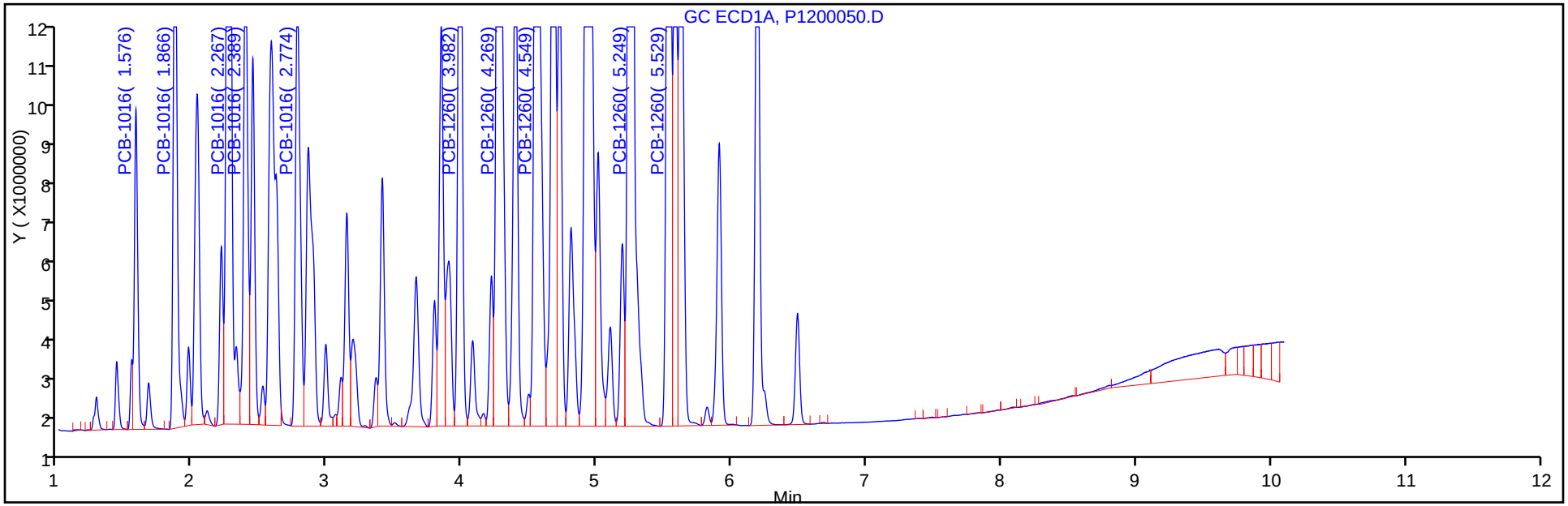
Report Date: 02-Apr-2013 07:01:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

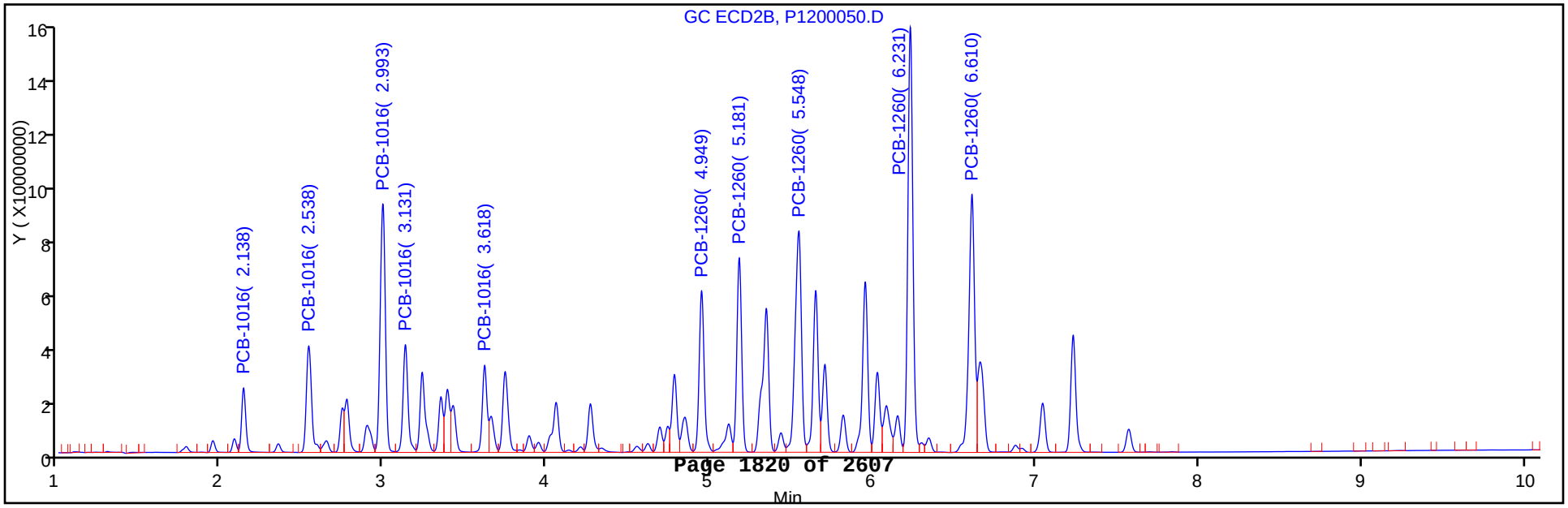
Data File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200050.D

Injection Date:	01-Apr-2013 21:20:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80043	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/3 Calibration Date: 04/08/2013 07:14

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	16186104	16107420		0.498	0.500	-0.5	20.0
PCB-1016 Peak 2	Ave	30075346	29477100		0.490	0.500	-2.0	20.0
PCB-1016 Peak 3	Ave	63982891	58207072		0.455	0.500	-9.0	20.0
PCB-1016 Peak 4	Ave	27020466	25592886		0.474	0.500	-5.3	20.0
PCB-1016 Peak 5	Ave	28253356	26370264		0.467	0.500	-6.7	20.0
PCB-1260 Peak 1	Ave	43598192	40638278		0.466	0.500	-6.8	20.0
PCB-1260 Peak 2	Ave	86122108	78656396		0.457	0.500	-8.7	20.0
PCB-1260 Peak 3	Ave	84445888	78047032		0.462	0.500	-7.6	20.0
PCB-1260 Peak 4	Ave	118319074	109619920		0.463	0.500	-7.4	20.0
PCB-1260 Peak 5	Ave	56124257	50831374		0.453	0.500	-9.4	20.0
Tetrachloro-m-xylene	Ave	980852090	955398520		0.0244	0.0250	-2.6	20.0
DCB Decachlorobiphenyl	Ave	1020004033	891853840		0.0219	0.0250	-12.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/3 Calibration Date: 04/08/2013 07:14

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.87	1.82	1.92
PCB-1016 Peak 3	2.27	2.22	2.32
PCB-1016 Peak 4	2.39	2.34	2.44
PCB-1016 Peak 5	2.78	2.73	2.83
PCB-1260 Peak 1	3.98	3.93	4.03
PCB-1260 Peak 2	4.27	4.22	4.32
PCB-1260 Peak 3	4.55	4.50	4.60
PCB-1260 Peak 4	5.25	5.20	5.30
PCB-1260 Peak 5	5.53	5.48	5.58
Tetrachloro-m-xylene	1.30	1.25	1.35
DCB Decachlorobiphenyl	6.68	6.63	6.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 08-Apr-2013 07:14:45 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0018628-003
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 80903 Lims Sample ID: 3
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m
Last Update: 12-Apr-2013 12:53:07 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK025

First Level Reviewer: hassl Date: 08-Apr-2013 08:52:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	23884963	0.0244			
2	2	1.673	1.673	0.000	73198345	0.0274			
						RPD = 11.86			
6 PCB-1016									M
1	100	1.579	1.579	0.000	8053710	0.4976		100.0	M
1	2	1.869	1.869	0.000	14738550	0.4901	165.5- 215.5	183.0	
1	3	2.269	2.269	0.000	29103536	0.4549	356.7- 406.7	361.4	
1	4	2.393	2.393	0.000	12796443	0.4736	144.0- 194.0	158.9	
1	5	2.779	2.779	0.000	13185132	0.4667	153.1- 203.1	163.7	
			Average of Peak Amounts =			0.4765			
2	6	2.140	2.140	0.000	23325547	0.5149		100.0	
2	7	2.539	2.539	0.000	45881670	0.5244	165.6- 225.6	196.7	
2	8	2.994	2.994	0.000	96713216	0.5317	366.1- 426.1	414.6	
2	9	3.132	3.132	0.000	41179862	0.5199	144.6- 204.6	176.5	
2	10	3.618	3.618	0.000	32524719	0.4936	112.9- 172.9	139.4	
			Average of Peak Amounts =			0.5169			
						RPD = 8.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.984	3.984	0.000	20319139	0.4661		100.0	
1	2	4.272	4.272	0.000	39328198	0.4567	172.1- 222.1	193.6	
1	3	4.551	4.551	0.000	39023516	0.4621	168.4- 218.4	192.1	
1	4	5.251	5.251	0.000	54809960	0.4632	244.3- 294.3	269.7	
1	5	5.534	5.534	0.000	25415687	0.4528	104.3- 154.3	125.1	
			Average of Peak Amounts =			0.4602			
2	6	4.951	4.951	0.000	64124195	0.4938		100.0	
2	7	5.182	5.182	0.000	64237096	0.4422	80.1- 140.1	100.2	
2	8	5.548	5.548	0.000	114359026	0.4947	146.6- 206.6	178.3	
2	9	6.232	6.232	0.000	130930854	0.4872	174.1- 234.1	204.2	
2	10	6.612	6.612	0.000	94946216	0.4744	121.8- 181.8	148.1	
			Average of Peak Amounts =			0.4785			
						RPD = 3.89			
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	22296346	0.0219			
2	2	7.840	7.840	0.000	60893995	0.0206			
						RPD = 6.01			

QC Flag Legend

Review Flags
M - Manually Integrated

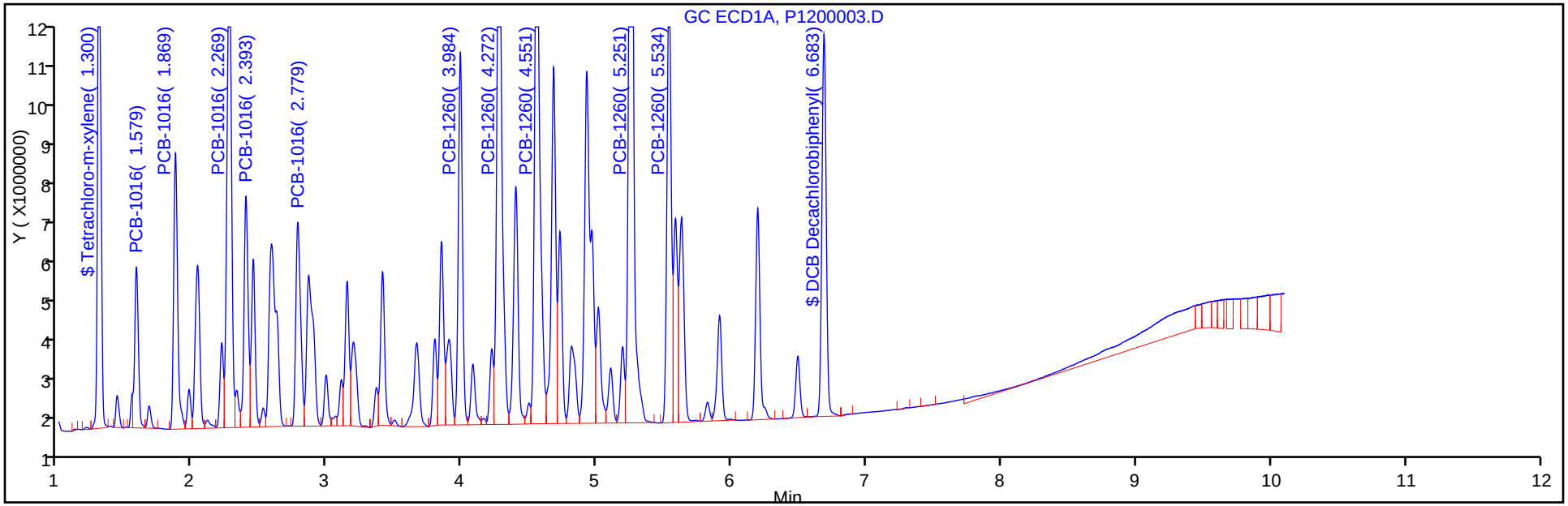
Report Date: 12-Apr-2013 12:53:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

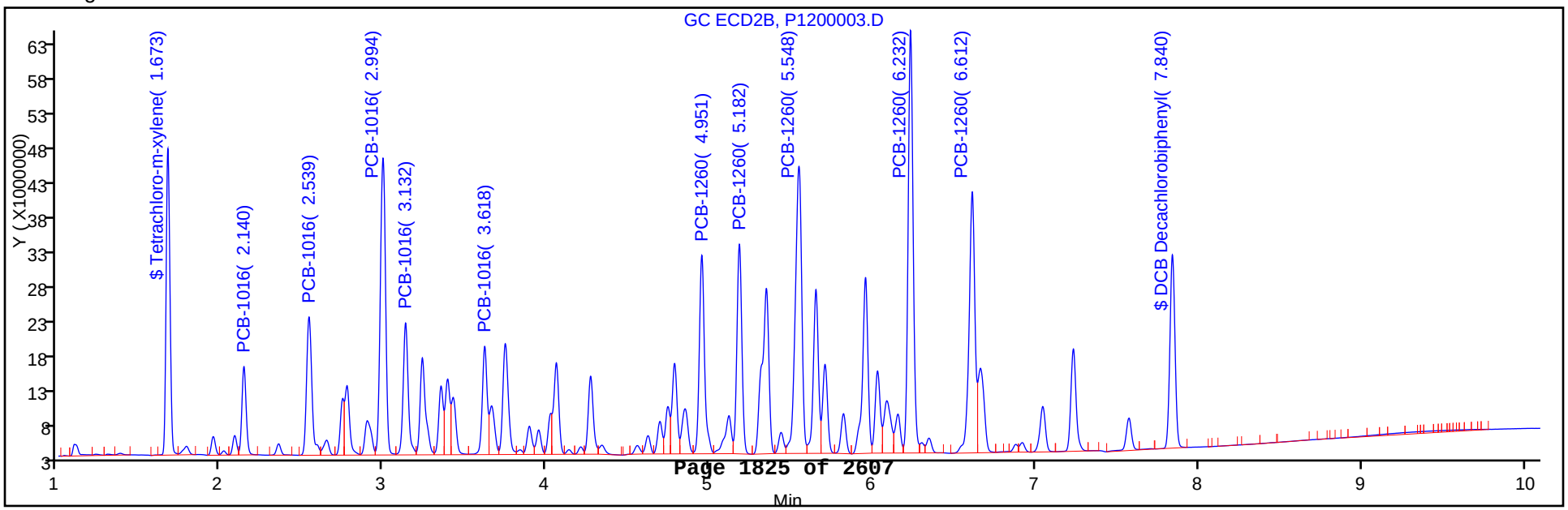
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Injection Date:	08-Apr-2013 07:14:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



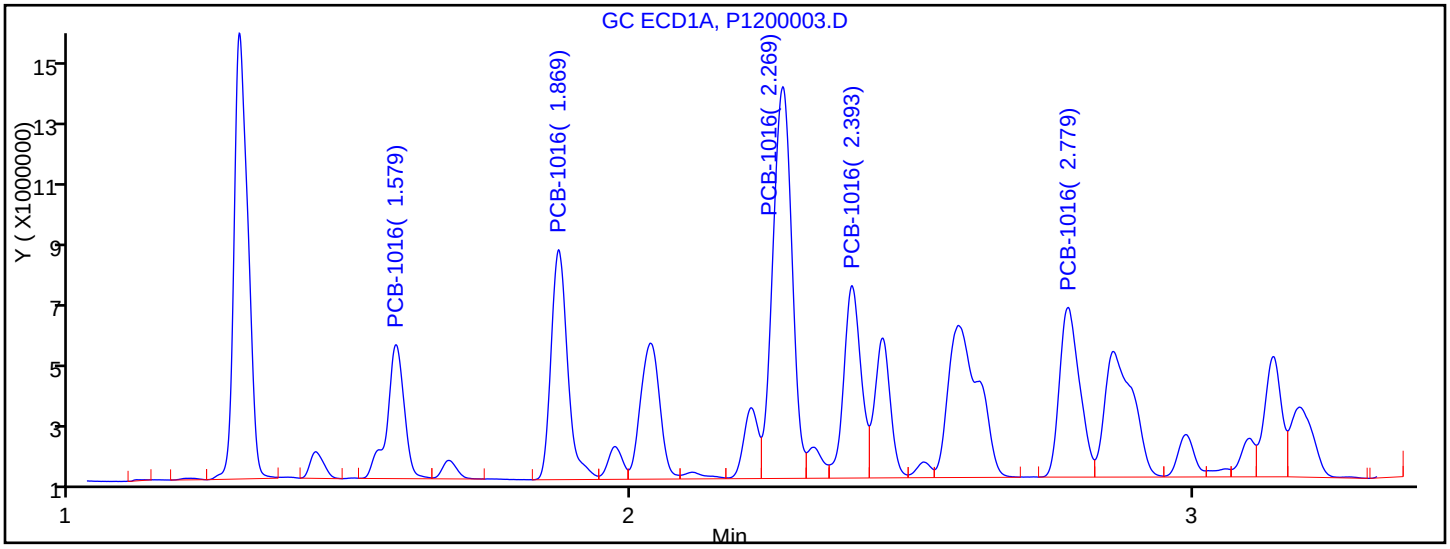
Report Date: 12-Apr-2013 12:53:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200003.D

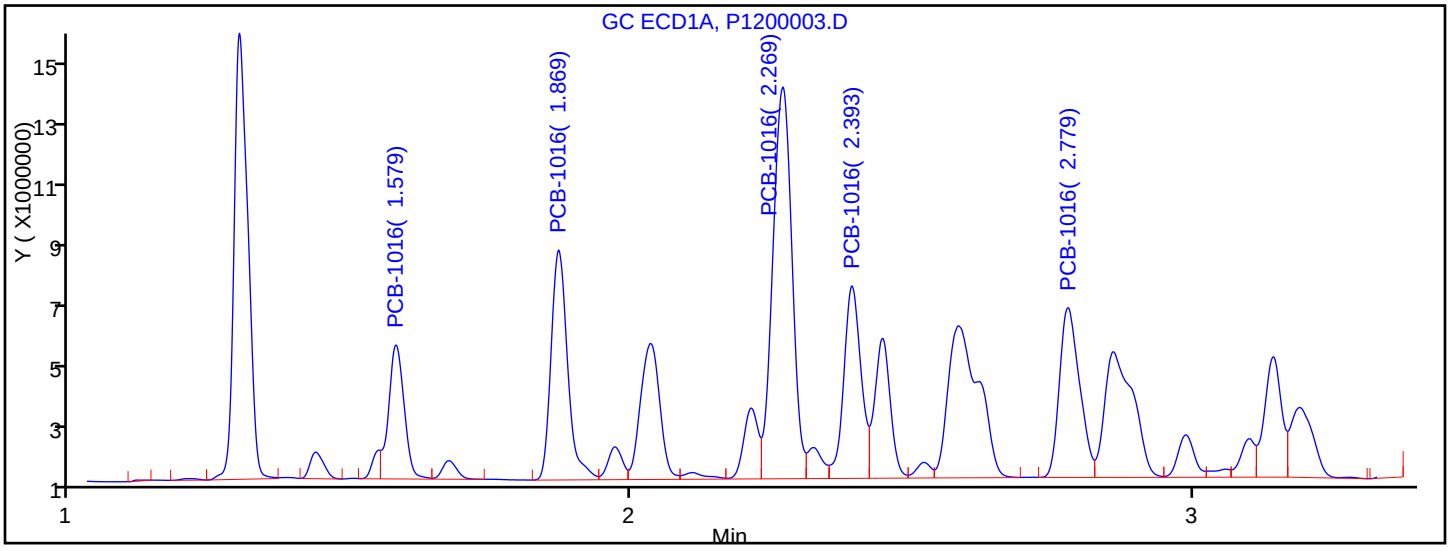
Injection Date:	08-Apr-2013 07:14:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.579	Response = 8913057	M
RT = 1.869	Response = 14738550	
RT = 2.269	Response = 29103536	
RT = 2.393	Response = 12796443	
RT = 2.779	Response = 13185132	



Manual Integration Results

RT = 1.579	Response = 8053710	M
RT = 1.869	Response = 14738550	
RT = 2.269	Response = 29103536	
RT = 2.393	Response = 12796443	
RT = 2.779	Response = 13185132	

Reviewer: hassl, 12-Apr-2013 12:52:57

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/3 Calibration Date: 04/08/2013 07:14

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	45299578	46651094		0.515	0.500	3.0	20.0
PCB-1016 Peak 2	Ave	87494510	91763340		0.524	0.500	4.9	20.0
PCB-1016 Peak 3	Ave	181900224	193426432		0.532	0.500	6.3	20.0
PCB-1016 Peak 4	Ave	79207688	82359724		0.520	0.500	4.0	20.0
PCB-1016 Peak 5	Ave	65886914	65049438		0.494	0.500	-1.3	20.0
PCB-1260 Peak 1	Ave	129864022	128248390		0.494	0.500	-1.2	20.0
PCB-1260 Peak 2	Ave	145267081	128474192		0.442	0.500	-11.6	20.0
PCB-1260 Peak 3	Ave	231145923	228718052		0.495	0.500	-1.1	20.0
PCB-1260 Peak 4	Ave	268767373	261861708		0.487	0.500	-2.6	20.0
PCB-1260 Peak 5	Ave	200141995	189892432		0.474	0.500	-5.1	20.0
Tetrachloro-m-xylene	Ave	2669425812	2927933800		0.0274	0.0250	9.7	20.0
DCB Decachlorobiphenyl	Ave	2958379632	2435759800		0.0206	0.0250	-17.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/3 Calibration Date: 04/08/2013 07:14

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.54	2.49	2.59
PCB-1016 Peak 3	2.99	2.94	3.04
PCB-1016 Peak 4	3.13	3.08	3.18
PCB-1016 Peak 5	3.62	3.57	3.67
PCB-1260 Peak 1	4.95	4.90	5.00
PCB-1260 Peak 2	5.18	5.13	5.23
PCB-1260 Peak 3	5.55	5.50	5.60
PCB-1260 Peak 4	6.23	6.18	6.28
PCB-1260 Peak 5	6.61	6.56	6.66
Tetrachloro-m-xylene	1.67	1.62	1.72
DCB Decachlorobiphenyl	7.84	7.79	7.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 08-Apr-2013 07:14:45 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0018628-003
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 80903 Lims Sample ID: 3
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m
Last Update: 12-Apr-2013 12:53:07 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK025

First Level Reviewer: hassl Date: 08-Apr-2013 08:52:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	23884963	0.0244			
2	2	1.673	1.673	0.000	73198345	0.0274			
						RPD = 11.86			
6 PCB-1016									M
1	100	1.579	1.579	0.000	8053710	0.4976		100.0	M
1	2	1.869	1.869	0.000	14738550	0.4901	165.5- 215.5	183.0	
1	3	2.269	2.269	0.000	29103536	0.4549	356.7- 406.7	361.4	
1	4	2.393	2.393	0.000	12796443	0.4736	144.0- 194.0	158.9	
1	5	2.779	2.779	0.000	13185132	0.4667	153.1- 203.1	163.7	
			Average of Peak Amounts =			0.4765			
2	6	2.140	2.140	0.000	23325547	0.5149		100.0	
2	7	2.539	2.539	0.000	45881670	0.5244	165.6- 225.6	196.7	
2	8	2.994	2.994	0.000	96713216	0.5317	366.1- 426.1	414.6	
2	9	3.132	3.132	0.000	41179862	0.5199	144.6- 204.6	176.5	
2	10	3.618	3.618	0.000	32524719	0.4936	112.9- 172.9	139.4	
			Average of Peak Amounts =			0.5169			
						RPD = 8.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.984	3.984	0.000	20319139	0.4661		100.0	
1	2	4.272	4.272	0.000	39328198	0.4567	172.1- 222.1	193.6	
1	3	4.551	4.551	0.000	39023516	0.4621	168.4- 218.4	192.1	
1	4	5.251	5.251	0.000	54809960	0.4632	244.3- 294.3	269.7	
1	5	5.534	5.534	0.000	25415687	0.4528	104.3- 154.3	125.1	
			Average of Peak Amounts =			0.4602			
2	6	4.951	4.951	0.000	64124195	0.4938		100.0	
2	7	5.182	5.182	0.000	64237096	0.4422	80.1- 140.1	100.2	
2	8	5.548	5.548	0.000	114359026	0.4947	146.6- 206.6	178.3	
2	9	6.232	6.232	0.000	130930854	0.4872	174.1- 234.1	204.2	
2	10	6.612	6.612	0.000	94946216	0.4744	121.8- 181.8	148.1	
			Average of Peak Amounts =			0.4785			
						RPD = 3.89			
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.683	0.000	22296346	0.0219			
2	2	7.840	7.840	0.000	60893995	0.0206			
						RPD = 6.01			

QC Flag Legend

Review Flags
M - Manually Integrated

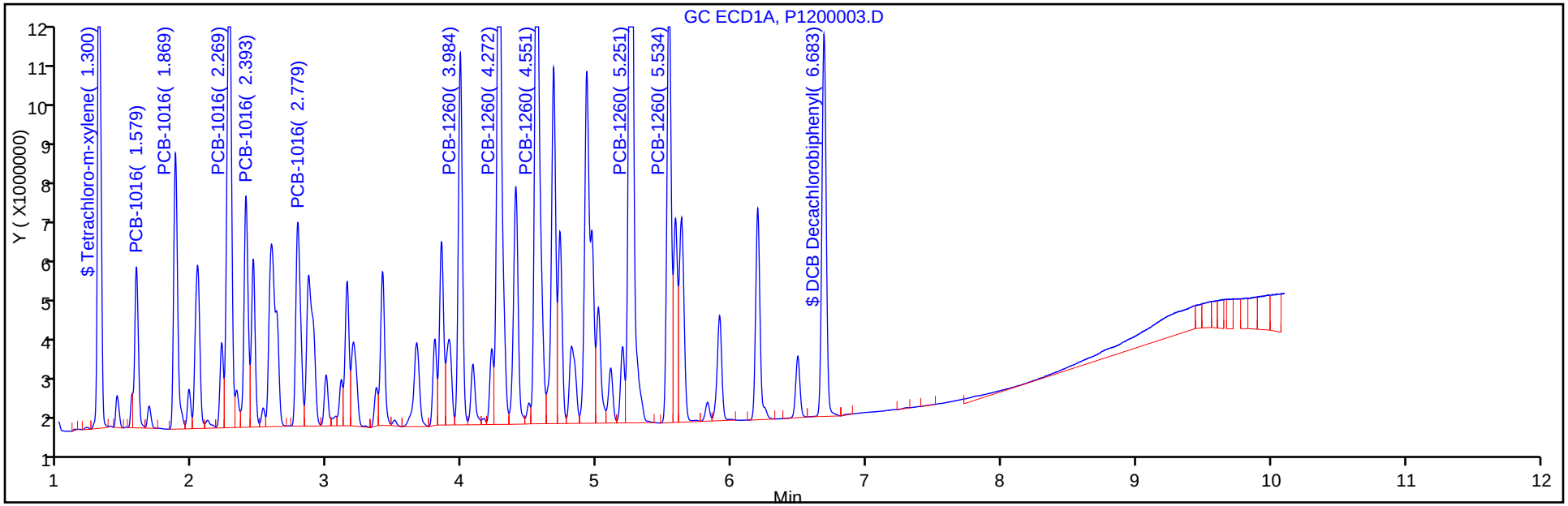
Report Date: 12-Apr-2013 12:53:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

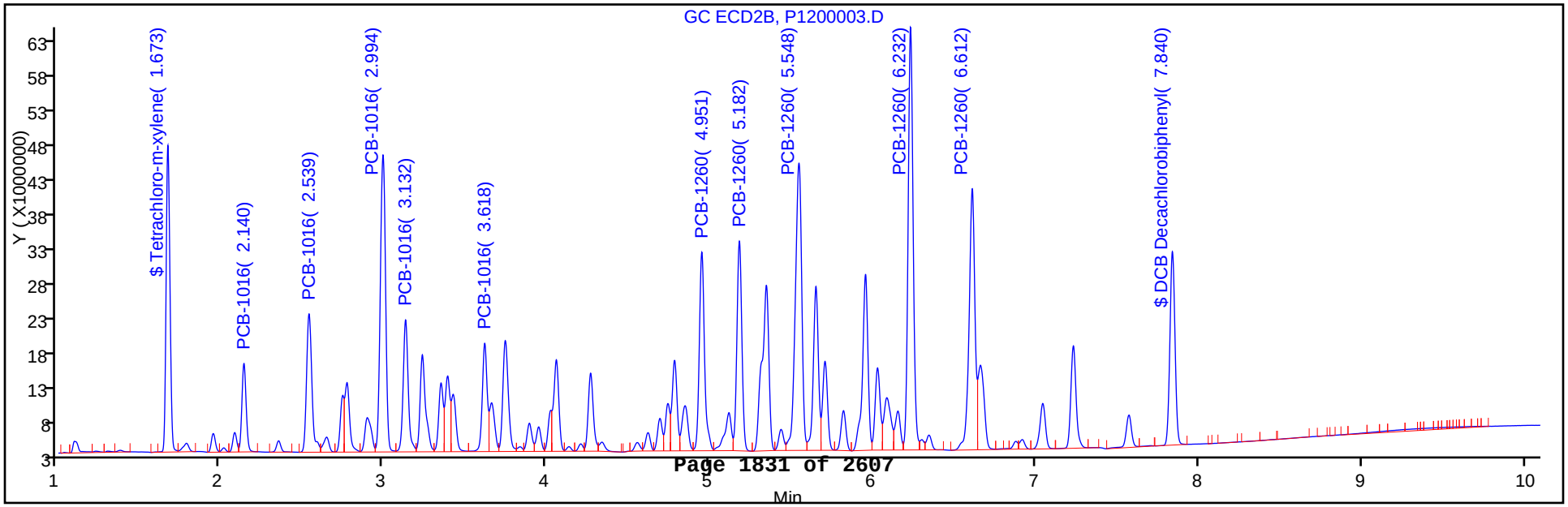
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Injection Date:	08-Apr-2013 07:14:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/18 Calibration Date: 04/08/2013 10:50

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	16186104	18550424		0.573	0.500	14.6	20.0
PCB-1016 Peak 2	Ave	30075346	33617556		0.559	0.500	11.8	20.0
PCB-1016 Peak 3	Ave	63982891	74980880		0.586	0.500	17.2	20.0
PCB-1016 Peak 4	Ave	27020466	30775492		0.569	0.500	13.9	20.0
PCB-1016 Peak 5	Ave	28253356	30983054		0.548	0.500	9.7	20.0
PCB-1260 Peak 1	Ave	43598192	46400244		0.532	0.500	6.4	20.0
PCB-1260 Peak 2	Ave	86122108	91908144		0.534	0.500	6.7	20.0
PCB-1260 Peak 3	Ave	84445888	92259078		0.546	0.500	9.3	20.0
PCB-1260 Peak 4	Ave	118319074	130889792		0.553	0.500	10.6	20.0
PCB-1260 Peak 5	Ave	56124257	60700750		0.541	0.500	8.2	20.0
Tetrachloro-m-xylene	Ave	980852090	1115111720		0.0284	0.0250	13.7	20.0
DCB Decachlorobiphenyl	Ave	1020004033	1095209480		0.0268	0.0250	7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/18 Calibration Date: 04/08/2013 10:50

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200018.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.87	1.82	1.92
PCB-1016 Peak 3	2.27	2.22	2.32
PCB-1016 Peak 4	2.39	2.34	2.44
PCB-1016 Peak 5	2.78	2.73	2.83
PCB-1260 Peak 1	3.98	3.93	4.03
PCB-1260 Peak 2	4.27	4.22	4.32
PCB-1260 Peak 3	4.55	4.50	4.60
PCB-1260 Peak 4	5.25	5.20	5.30
PCB-1260 Peak 5	5.53	5.48	5.58
Tetrachloro-m-xylene	1.30	1.25	1.35
DCB Decachlorobiphenyl	6.68	6.63	6.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200018.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 08-Apr-2013 10:50:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018628-018
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 uL ALS Bottle#: 18
Lims Batch ID: 80903 Lims Sample ID: 18
Sublist: chrom-PCB12*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m
Last Update: 08-Apr-2013 13:50:53 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 08-Apr-2013 13:48:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.299	0.000	27877793	0.0284			
2	2	1.671	1.671	0.000	79791629	0.0299			
						RPD = 5.04			
6 PCB-1016									M
1	100	1.578	1.578	0.000	9275212	0.5730		100.0	M
1	2	1.868	1.868	0.000	16808778	0.5589	165.5- 215.5	181.2	
1	3	2.268	2.268	0.000	37490440	0.5859	356.7- 406.7	404.2	
1	4	2.390	2.390	0.000	15387746	0.5695	144.0- 194.0	165.9	
1	5	2.775	2.775	0.000	15491527	0.5483	153.1- 203.1	167.0	
			Average of Peak Amounts =			0.5671			
2	6	2.138	2.138	0.000	25563552	0.5643		100.0	
2	7	2.538	2.538	0.000	49512583	0.5659	165.6- 225.6	193.7	
2	8	2.993	2.993	0.000	106660647	0.5864	366.1- 426.1	417.2	
2	9	3.132	3.132	0.000	44889814	0.5667	144.6- 204.6	175.6	
2	10	3.618	3.618	0.000	35061384	0.5321	112.9- 172.9	137.2	
			Average of Peak Amounts =			0.5631			
						RPD = 0.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.983	0.000	23200122	0.5321		100.0	
1	2	4.270	4.270	0.000	45954072	0.5336	172.1- 222.1	198.1	
1	3	4.550	4.550	0.000	46129539	0.5463	168.4- 218.4	198.8	
1	4	5.248	5.248	0.000	65444896	0.5531	244.3- 294.3	282.1	
1	5	5.530	5.530	0.000	30350375	0.5408	104.3- 154.3	130.8	
			Average of Peak Amounts =			0.5412			
2	6	4.951	4.951	0.000	69813267	0.5376		100.0	
2	7	5.183	5.183	0.000	77563014	0.5339	80.1- 140.1	111.1	
2	8	5.548	5.548	0.000	127149806	0.5501	146.6- 206.6	182.1	
2	9	6.233	6.233	0.000	148753745	0.5535	174.1- 234.1	213.1	
2	10	6.612	6.612	0.000	107628341	0.5378	121.8- 181.8	154.2	
			Average of Peak Amounts =			0.5426			
						RPD = 0.26			
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	27380237	0.0268			
2	2	7.840	7.840	0.000	74335514	0.0251			
						RPD = 6.60			

QC Flag Legend

Review Flags
M - Manually Integrated

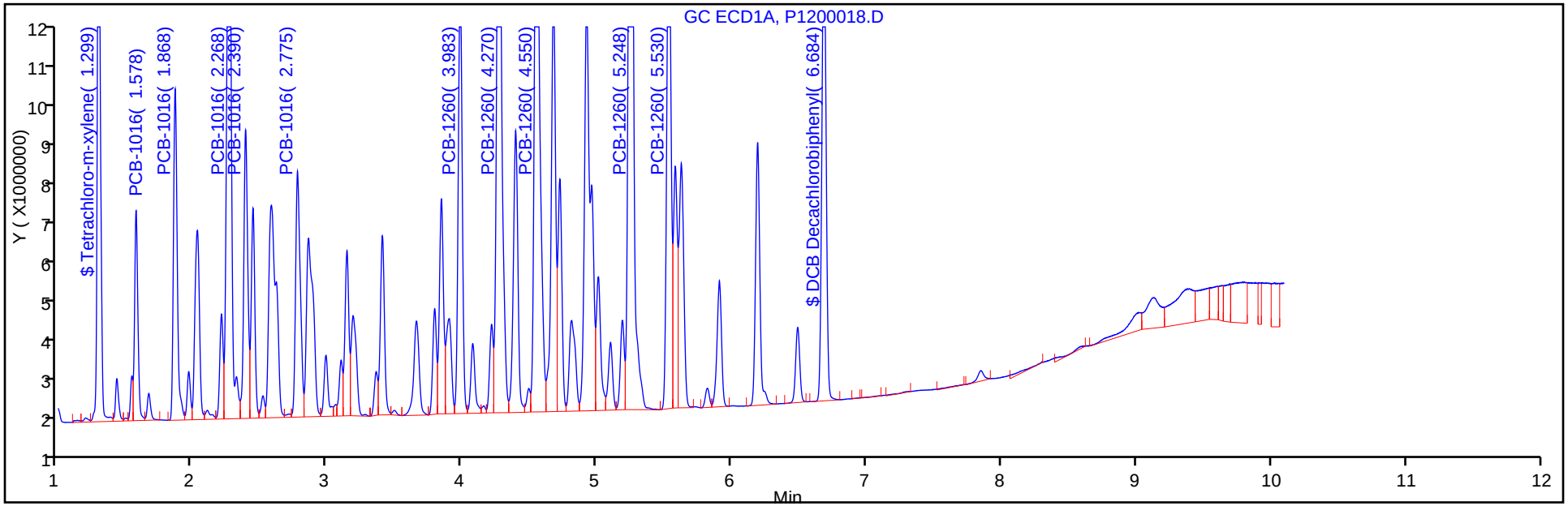
Report Date: 08-Apr-2013 13:50:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

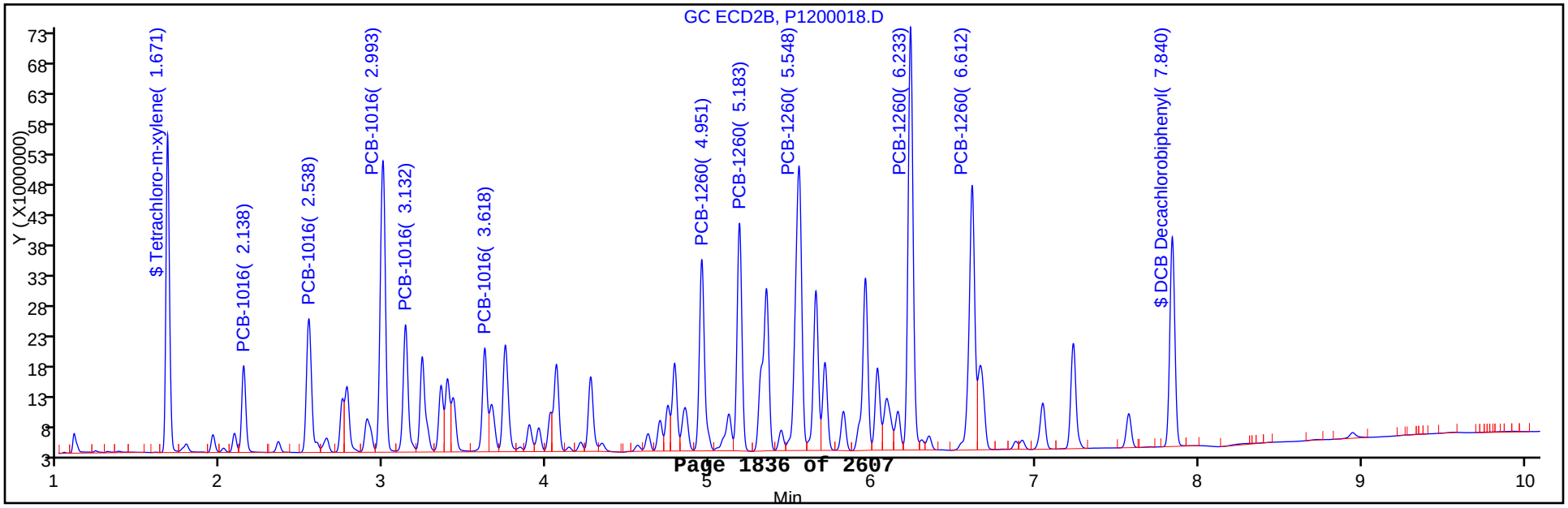
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Injection Date:	08-Apr-2013 10:50:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



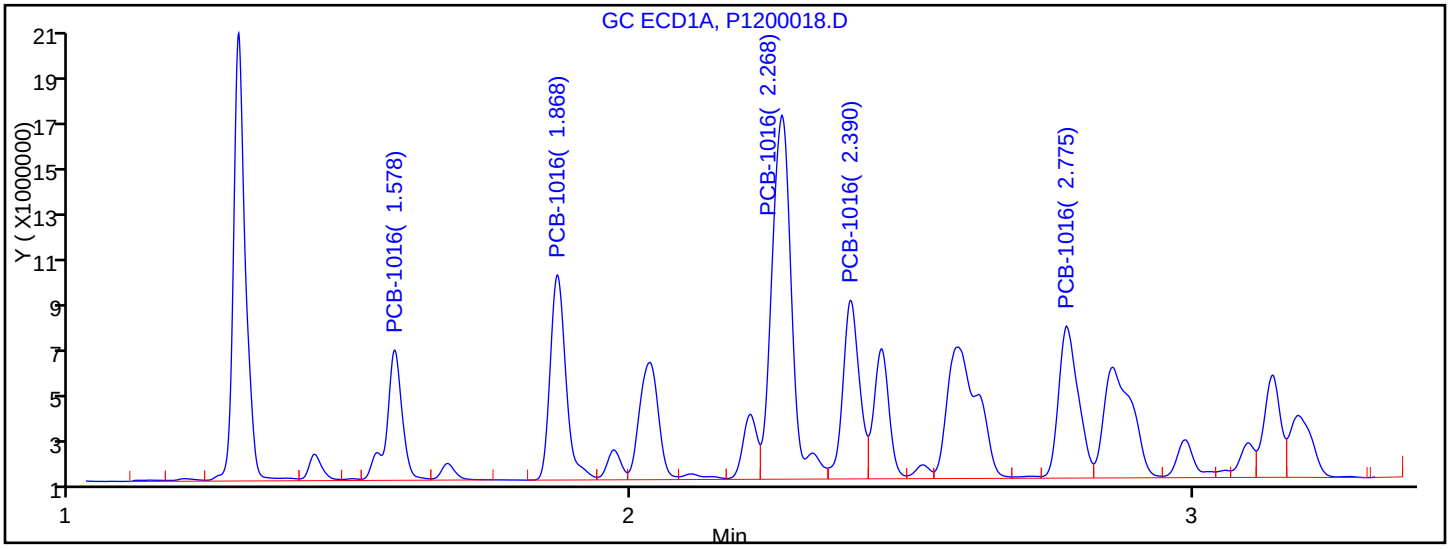
Report Date: 08-Apr-2013 13:50:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200018.D

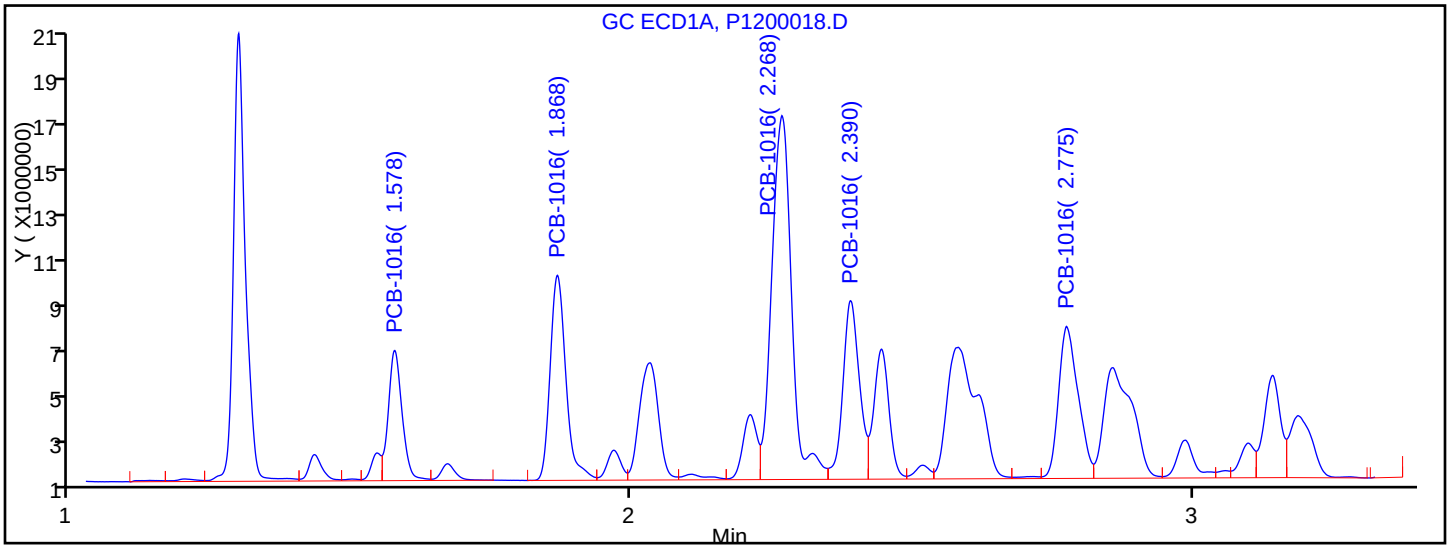
Injection Date:	08-Apr-2013 10:50:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.578	Response = 10717870	M
RT = 1.868	Response = 16808778	
RT = 2.268	Response = 37490440	
RT = 2.390	Response = 15387746	
RT = 2.775	Response = 15491527	



Manual Integration Results

RT = 1.578	Response = 9275212	M
RT = 1.868	Response = 16808778	
RT = 2.268	Response = 37490440	
RT = 2.390	Response = 15387746	
RT = 2.775	Response = 15491527	

Reviewer: hassl, 08-Apr-2013 13:48:07

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/18 Calibration Date: 04/08/2013 10:50

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	45299578	51127104		0.564	0.500	12.9	20.0
PCB-1016 Peak 2	Ave	87494510	99025166		0.566	0.500	13.2	20.0
PCB-1016 Peak 3	Ave	181900224	213321294		0.586	0.500	17.3	20.0
PCB-1016 Peak 4	Ave	79207688	89779628		0.567	0.500	13.3	20.0
PCB-1016 Peak 5	Ave	65886914	70122768		0.532	0.500	6.4	20.0
PCB-1260 Peak 1	Ave	129864022	139626534		0.538	0.500	7.5	20.0
PCB-1260 Peak 2	Ave	145267081	155126028		0.534	0.500	6.8	20.0
PCB-1260 Peak 3	Ave	231145923	254299612		0.550	0.500	10.0	20.0
PCB-1260 Peak 4	Ave	268767373	297507490		0.553	0.500	10.7	20.0
PCB-1260 Peak 5	Ave	200141995	215256682		0.538	0.500	7.6	20.0
Tetrachloro-m-xylene	Ave	2669425812	3191665160		0.0299	0.0250	19.6	20.0
DCB Decachlorobiphenyl	Ave	2958379632	2973420560		0.0251	0.0250	0.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/18 Calibration Date: 04/08/2013 10:50

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200018.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.54	2.49	2.59
PCB-1016 Peak 3	2.99	2.94	3.04
PCB-1016 Peak 4	3.13	3.08	3.18
PCB-1016 Peak 5	3.62	3.57	3.67
PCB-1260 Peak 1	4.95	4.90	5.00
PCB-1260 Peak 2	5.18	5.13	5.23
PCB-1260 Peak 3	5.55	5.50	5.60
PCB-1260 Peak 4	6.23	6.18	6.28
PCB-1260 Peak 5	6.61	6.56	6.66
Tetrachloro-m-xylene	1.67	1.62	1.72
DCB Decachlorobiphenyl	7.84	7.79	7.89

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200018.D		
Lims ID:	CCV AR1660	Client ID:	
Inject. Date:	08-Apr-2013 10:50:53	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018628-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	18
Lims Batch ID:	80903	Lims Sample ID:	18
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:48:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.299	0.000	27877793	0.0284			
2	2	1.671	1.671	0.000	79791629	0.0299			
						RPD = 5.04			
6 PCB-1016									M
1	100	1.578	1.578	0.000	9275212	0.5730		100.0	M
1	2	1.868	1.868	0.000	16808778	0.5589	165.5- 215.5	181.2	
1	3	2.268	2.268	0.000	37490440	0.5859	356.7- 406.7	404.2	
1	4	2.390	2.390	0.000	15387746	0.5695	144.0- 194.0	165.9	
1	5	2.775	2.775	0.000	15491527	0.5483	153.1- 203.1	167.0	
			Average of Peak Amounts =			0.5671			
2	6	2.138	2.138	0.000	25563552	0.5643		100.0	
2	7	2.538	2.538	0.000	49512583	0.5659	165.6- 225.6	193.7	
2	8	2.993	2.993	0.000	106660647	0.5864	366.1- 426.1	417.2	
2	9	3.132	3.132	0.000	44889814	0.5667	144.6- 204.6	175.6	
2	10	3.618	3.618	0.000	35061384	0.5321	112.9- 172.9	137.2	
			Average of Peak Amounts =			0.5631			
						RPD = 0.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.983	0.000	23200122	0.5321		100.0	
1	2	4.270	4.270	0.000	45954072	0.5336	172.1- 222.1	198.1	
1	3	4.550	4.550	0.000	46129539	0.5463	168.4- 218.4	198.8	
1	4	5.248	5.248	0.000	65444896	0.5531	244.3- 294.3	282.1	
1	5	5.530	5.530	0.000	30350375	0.5408	104.3- 154.3	130.8	
			Average of Peak Amounts =			0.5412			
2	6	4.951	4.951	0.000	69813267	0.5376		100.0	
2	7	5.183	5.183	0.000	77563014	0.5339	80.1- 140.1	111.1	
2	8	5.548	5.548	0.000	127149806	0.5501	146.6- 206.6	182.1	
2	9	6.233	6.233	0.000	148753745	0.5535	174.1- 234.1	213.1	
2	10	6.612	6.612	0.000	107628341	0.5378	121.8- 181.8	154.2	
			Average of Peak Amounts =			0.5426			
						RPD = 0.26			
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	27380237	0.0268			
2	2	7.840	7.840	0.000	74335514	0.0251			
						RPD = 6.60			

QC Flag Legend

Review Flags
M - Manually Integrated

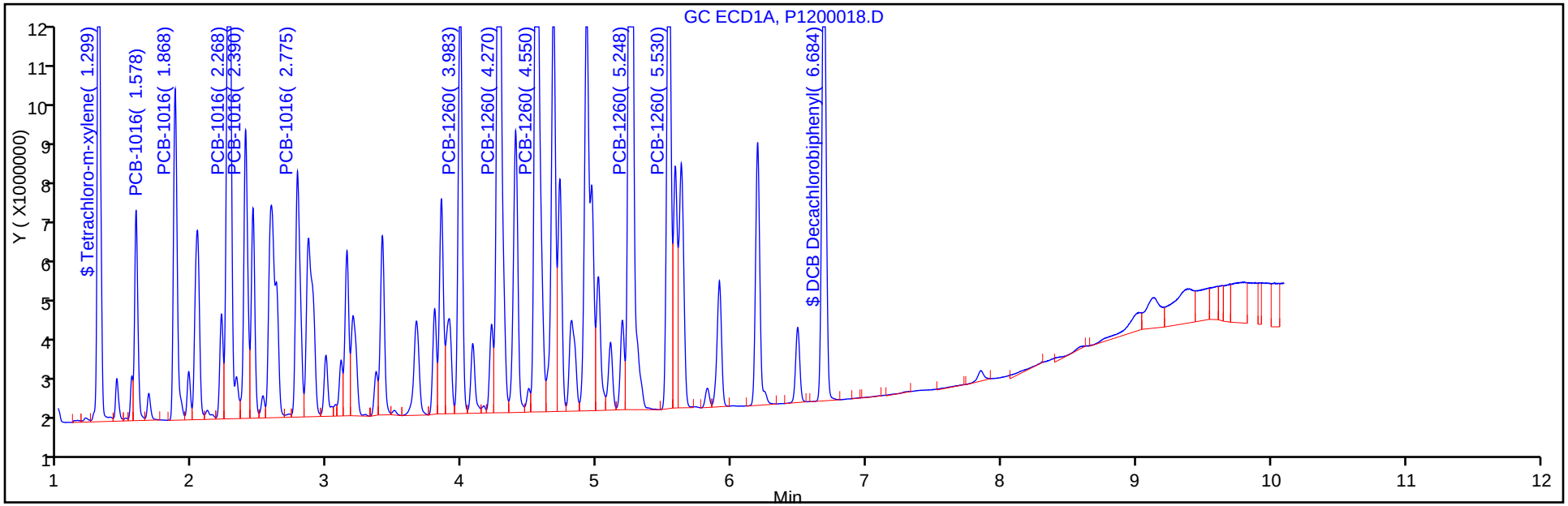
Report Date: 08-Apr-2013 13:50:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

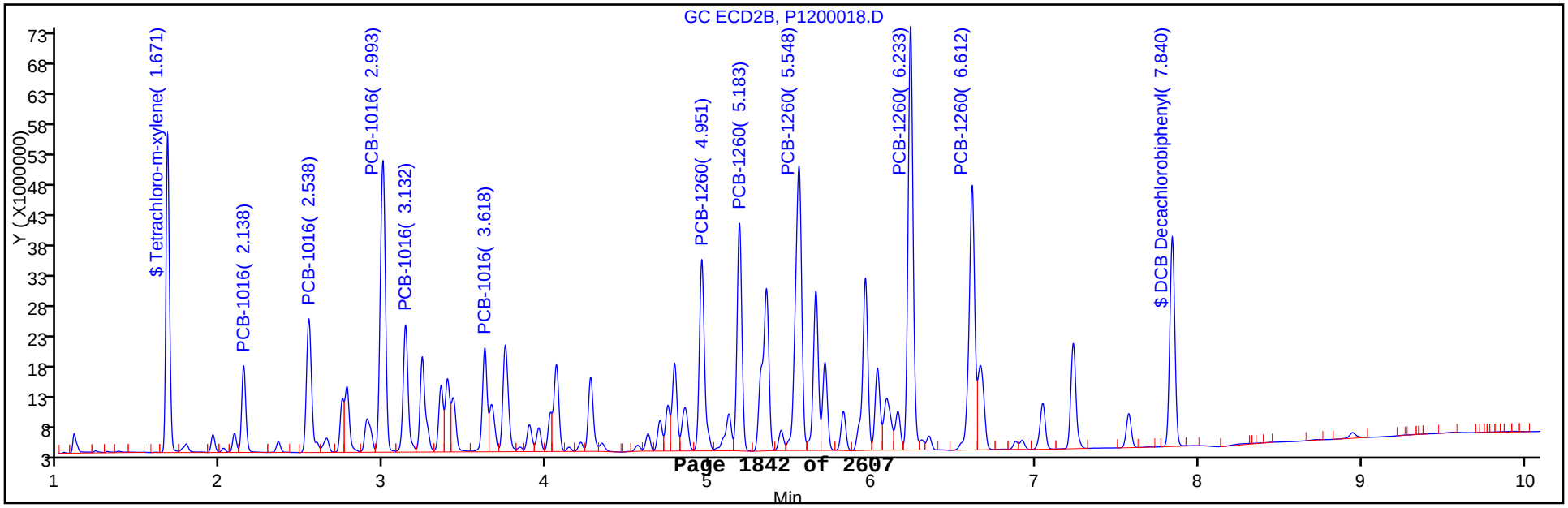
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200018.D

Injection Date:	08-Apr-2013 10:50:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/23 Calibration Date: 04/08/2013 12:03

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	16186104	19812158		0.612	0.500	22.4*	20.0
PCB-1016 Peak 2	Ave	30075346	33989740		0.565	0.500	13.0	20.0
PCB-1016 Peak 3	Ave	63982891	76415918		0.597	0.500	19.4	20.0
PCB-1016 Peak 4	Ave	27020466	30810466		0.570	0.500	14.0	20.0
PCB-1016 Peak 5	Ave	28253356	31405096		0.556	0.500	11.2	20.0
PCB-1260 Peak 1	Ave	43598192	46277530		0.531	0.500	6.1	20.0
PCB-1260 Peak 2	Ave	86122108	91642344		0.532	0.500	6.4	20.0
PCB-1260 Peak 3	Ave	84445888	91080916		0.539	0.500	7.9	20.0
PCB-1260 Peak 4	Ave	118319074	127454212		0.539	0.500	7.7	20.0
PCB-1260 Peak 5	Ave	56124257	57512414		0.512	0.500	2.5	20.0
Tetrachloro-m-xylene	Ave	980852090	1112582800		0.0284	0.0250	13.4	20.0
DCB Decachlorobiphenyl	Ave	1020004033	991377120		0.0243	0.0250	-2.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/23 Calibration Date: 04/08/2013 12:03

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200023.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.58	1.53	1.63
PCB-1016 Peak 2	1.87	1.82	1.92
PCB-1016 Peak 3	2.27	2.22	2.32
PCB-1016 Peak 4	2.39	2.34	2.44
PCB-1016 Peak 5	2.78	2.73	2.83
PCB-1260 Peak 1	3.99	3.94	4.04
PCB-1260 Peak 2	4.27	4.22	4.32
PCB-1260 Peak 3	4.55	4.50	4.60
PCB-1260 Peak 4	5.25	5.20	5.30
PCB-1260 Peak 5	5.53	5.48	5.58
Tetrachloro-m-xylene	1.30	1.25	1.35
DCB Decachlorobiphenyl	6.68	6.63	6.73

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200023.D		
Lims ID:	CCV AR1660	Client ID:	
Inject. Date:	08-Apr-2013 12:03:14	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018628-023		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	23
Lims Batch ID:	80903	Lims Sample ID:	23
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:50:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	27814570	0.0284			
2	2	1.675	1.675	0.000	79398157	0.0297			
						RPD = 4.77			
6 PCB-1016									M
1	100	1.581	1.581	0.000	9906079	0.6120		100.0	M
1	2	1.872	1.872	0.000	16994870	0.5651	165.5- 215.5	171.6	
1	3	2.271	2.271	0.000	38207959	0.5972	356.7- 406.7	385.7	
1	4	2.394	2.394	0.000	15405233	0.5701	144.0- 194.0	155.5	
1	5	2.779	2.779	0.000	15702548	0.5558	153.1- 203.1	158.5	
			Average of Peak Amounts =			0.5800			
2	6	2.141	2.141	0.000	25528641	0.5636		100.0	
2	7	2.541	2.541	0.000	49160163	0.5619	165.6- 225.6	192.6	
2	8	2.995	2.995	0.000	106471666	0.5853	366.1- 426.1	417.1	
2	9	3.134	3.134	0.000	44673234	0.5640	144.6- 204.6	175.0	
2	10	3.620	3.620	0.000	34416304	0.5224	112.9- 172.9	134.8	
			Average of Peak Amounts =			0.5594			
						RPD = 3.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.985	3.985	0.000	23138765	0.5307		100.0	
1	2	4.273	4.273	0.000	45821172	0.5320	172.1- 222.1	198.0	
1	3	4.553	4.553	0.000	45540458	0.5393	168.4- 218.4	196.8	
1	4	5.251	5.251	0.000	63727106	0.5386	244.3- 294.3	275.4	
1	5	5.533	5.533	0.000	28756207	0.5124	104.3- 154.3	124.3	
			Average of Peak Amounts =			0.5306			
2	6	4.952	4.952	0.000	69034970	0.5316		100.0	
2	7	5.183	5.183	0.000	78172096	0.5381	80.1- 140.1	113.2	
2	8	5.549	5.549	0.000	124376713	0.5381	146.6- 206.6	180.2	
2	9	6.233	6.233	0.000	142567777	0.5305	174.1- 234.1	206.5	
2	10	6.613	6.613	0.000	102214096	0.5107	121.8- 181.8	148.1	
			Average of Peak Amounts =			0.5298			
						RPD = 0.15			
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	24784428	0.0243			
2	2	7.842	7.842	0.000	66204810	0.0224			
						RPD = 8.23			

QC Flag Legend

Review Flags
M - Manually Integrated

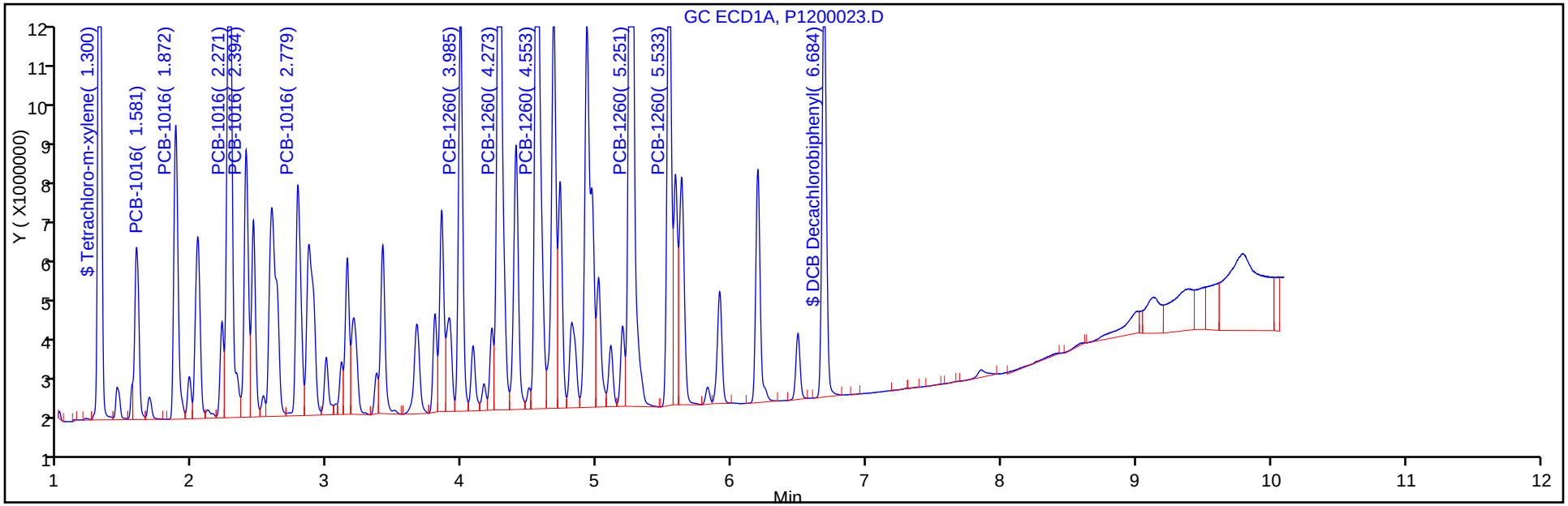
Report Date: 08-Apr-2013 13:50:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

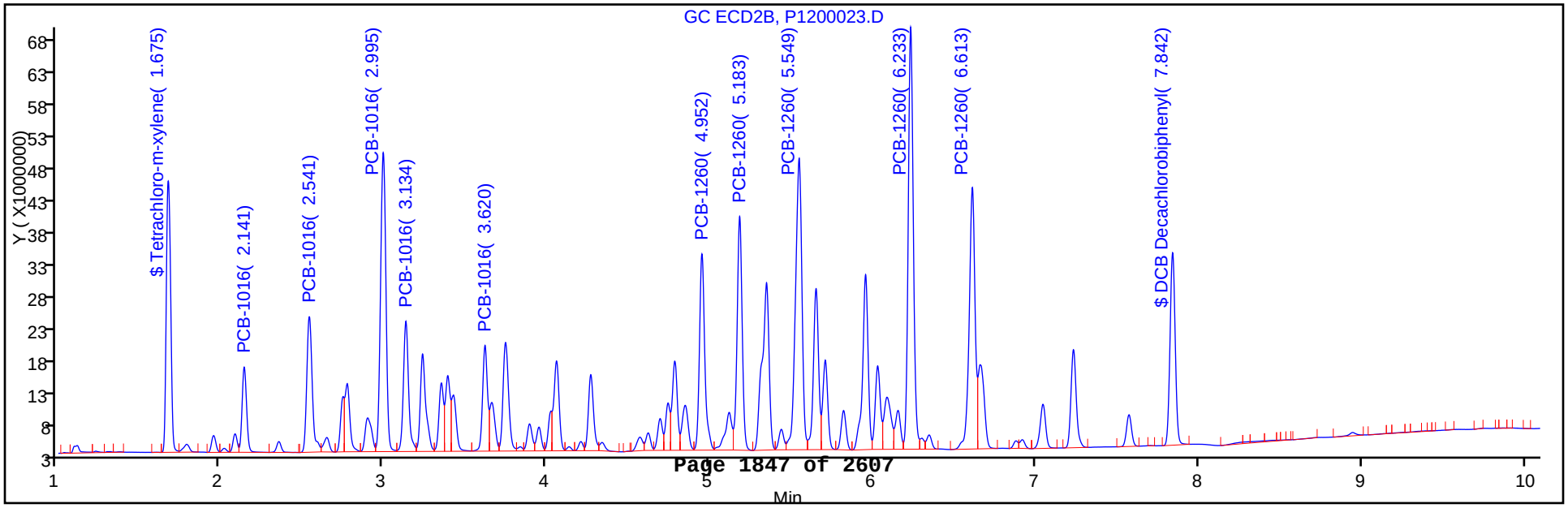
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Injection Date:	08-Apr-2013 12:03:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



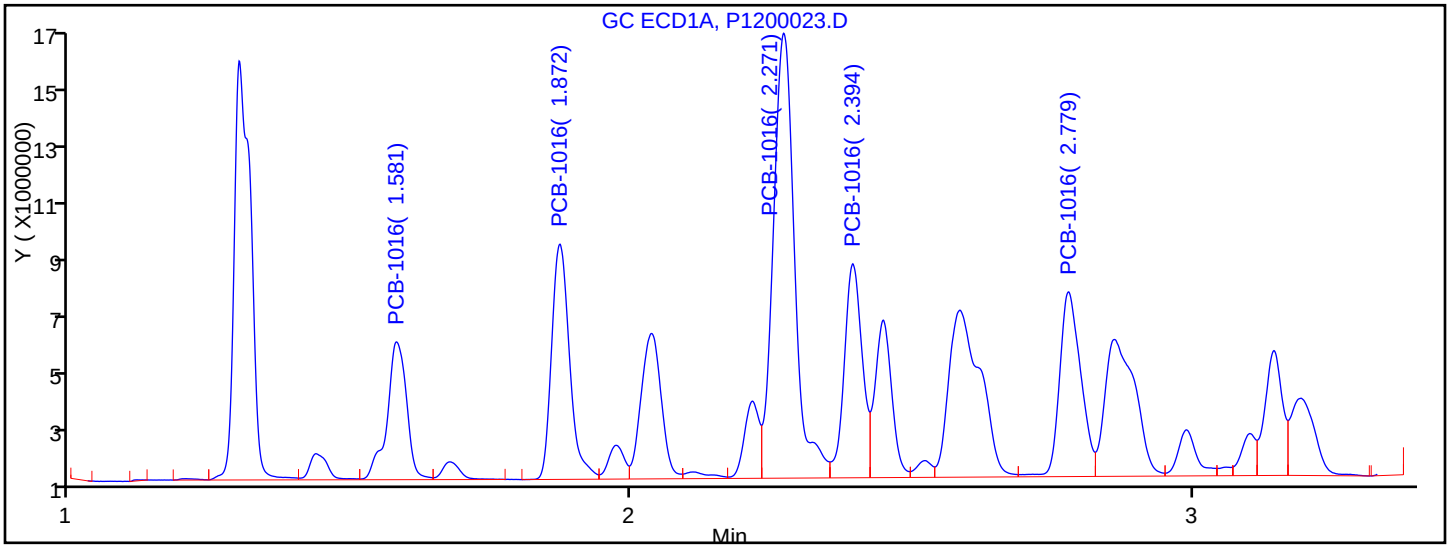
Report Date: 08-Apr-2013 13:50:47 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200023.D

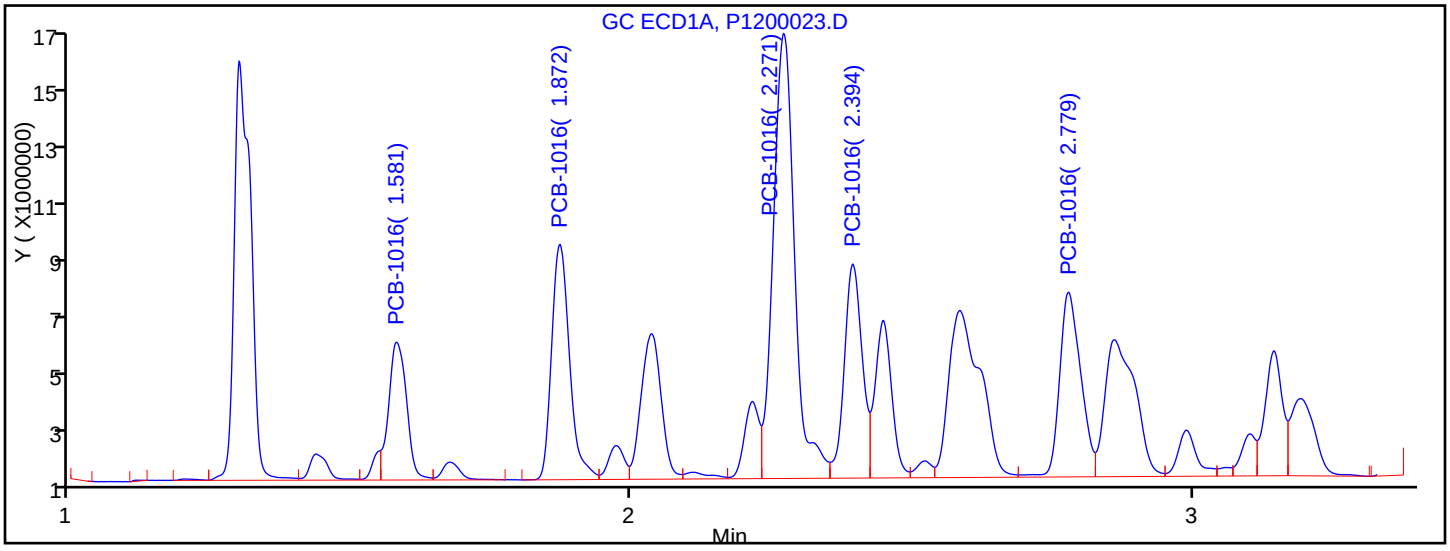
Injection Date:	08-Apr-2013 12:03:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.581	Response = 10846246	M
RT = 1.872	Response = 16994870	
RT = 2.271	Response = 38207959	
RT = 2.394	Response = 15405233	
RT = 2.779	Response = 15702548	



Manual Integration Results

RT = 1.581	Response = 9906079	M
RT = 1.872	Response = 16994870	
RT = 2.271	Response = 38207959	
RT = 2.394	Response = 15405233	
RT = 2.779	Response = 15702548	

Reviewer: hassl, 08-Apr-2013 13:50:14

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/23 Calibration Date: 04/08/2013 12:03

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	45299578	51057282		0.564	0.500	12.7	20.0
PCB-1016 Peak 2	Ave	87494510	98320326		0.562	0.500	12.4	20.0
PCB-1016 Peak 3	Ave	181900224	212943332		0.585	0.500	17.1	20.0
PCB-1016 Peak 4	Ave	79207688	89346468		0.564	0.500	12.8	20.0
PCB-1016 Peak 5	Ave	65886914	68832608		0.522	0.500	4.5	20.0
PCB-1260 Peak 1	Ave	129864022	138069940		0.532	0.500	6.3	20.0
PCB-1260 Peak 2	Ave	145267081	156344192		0.538	0.500	7.6	20.0
PCB-1260 Peak 3	Ave	231145923	248753426		0.538	0.500	7.6	20.0
PCB-1260 Peak 4	Ave	268767373	285135554		0.530	0.500	6.1	20.0
PCB-1260 Peak 5	Ave	200141995	204428192		0.511	0.500	2.1	20.0
Tetrachloro-m-xylene	Ave	2669425812	3175926280		0.0297	0.0250	19.0	20.0
DCB Decachlorobiphenyl	Ave	2958379632	2648192400		0.0224	0.0250	-10.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 240-80903/23 Calibration Date: 04/08/2013 12:03

Instrument ID: A2HP12 Calib Start Date: 04/01/2013 15:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2013 17:05

Lab File ID: P1200023.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.54	2.49	2.59
PCB-1016 Peak 3	3.00	2.95	3.05
PCB-1016 Peak 4	3.13	3.08	3.18
PCB-1016 Peak 5	3.62	3.57	3.67
PCB-1260 Peak 1	4.95	4.90	5.00
PCB-1260 Peak 2	5.18	5.13	5.23
PCB-1260 Peak 3	5.55	5.50	5.60
PCB-1260 Peak 4	6.23	6.18	6.28
PCB-1260 Peak 5	6.61	6.56	6.66
Tetrachloro-m-xylene	1.68	1.63	1.73
DCB Decachlorobiphenyl	7.84	7.79	7.89

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200023.D		
Lims ID:	CCV AR1660	Client ID:	
Inject. Date:	08-Apr-2013 12:03:14	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0018628-023		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	23
Lims Batch ID:	80903	Lims Sample ID:	23
Sublist:	chrom-PCB12*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:50:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.300	0.000	27814570	0.0284			
2	2	1.675	1.675	0.000	79398157	0.0297			
						RPD = 4.77			
6 PCB-1016									M
1	100	1.581	1.581	0.000	9906079	0.6120		100.0	M
1	2	1.872	1.872	0.000	16994870	0.5651	165.5- 215.5	171.6	
1	3	2.271	2.271	0.000	38207959	0.5972	356.7- 406.7	385.7	
1	4	2.394	2.394	0.000	15405233	0.5701	144.0- 194.0	155.5	
1	5	2.779	2.779	0.000	15702548	0.5558	153.1- 203.1	158.5	
			Average of Peak Amounts =			0.5800			
2	6	2.141	2.141	0.000	25528641	0.5636		100.0	
2	7	2.541	2.541	0.000	49160163	0.5619	165.6- 225.6	192.6	
2	8	2.995	2.995	0.000	106471666	0.5853	366.1- 426.1	417.1	
2	9	3.134	3.134	0.000	44673234	0.5640	144.6- 204.6	175.0	
2	10	3.620	3.620	0.000	34416304	0.5224	112.9- 172.9	134.8	
			Average of Peak Amounts =			0.5594			
						RPD = 3.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.985	3.985	0.000	23138765	0.5307		100.0	
1	2	4.273	4.273	0.000	45821172	0.5320	172.1- 222.1	198.0	
1	3	4.553	4.553	0.000	45540458	0.5393	168.4- 218.4	196.8	
1	4	5.251	5.251	0.000	63727106	0.5386	244.3- 294.3	275.4	
1	5	5.533	5.533	0.000	28756207	0.5124	104.3- 154.3	124.3	
			Average of Peak Amounts =			0.5306			
2	6	4.952	4.952	0.000	69034970	0.5316		100.0	
2	7	5.183	5.183	0.000	78172096	0.5381	80.1- 140.1	113.2	
2	8	5.549	5.549	0.000	124376713	0.5381	146.6- 206.6	180.2	
2	9	6.233	6.233	0.000	142567777	0.5305	174.1- 234.1	206.5	
2	10	6.613	6.613	0.000	102214096	0.5107	121.8- 181.8	148.1	
			Average of Peak Amounts =			0.5298			
						RPD = 0.15			
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	24784428	0.0243			
2	2	7.842	7.842	0.000	66204810	0.0224			
						RPD = 8.23			

QC Flag Legend

Review Flags
M - Manually Integrated

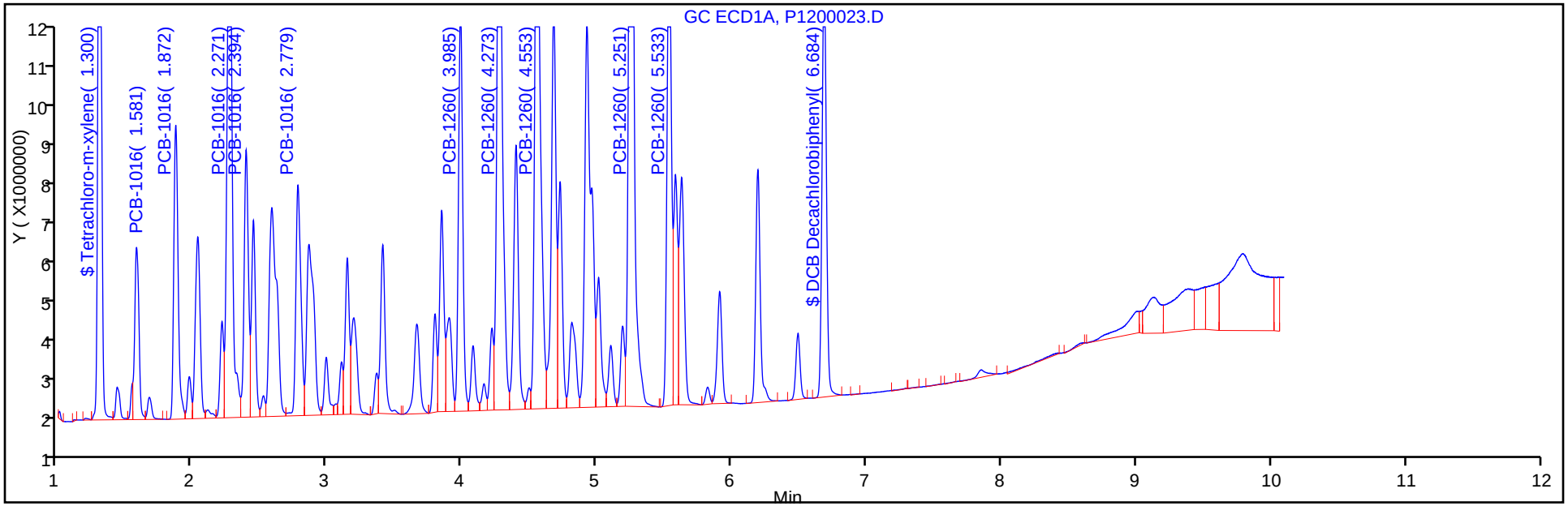
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TestAmerica Canton

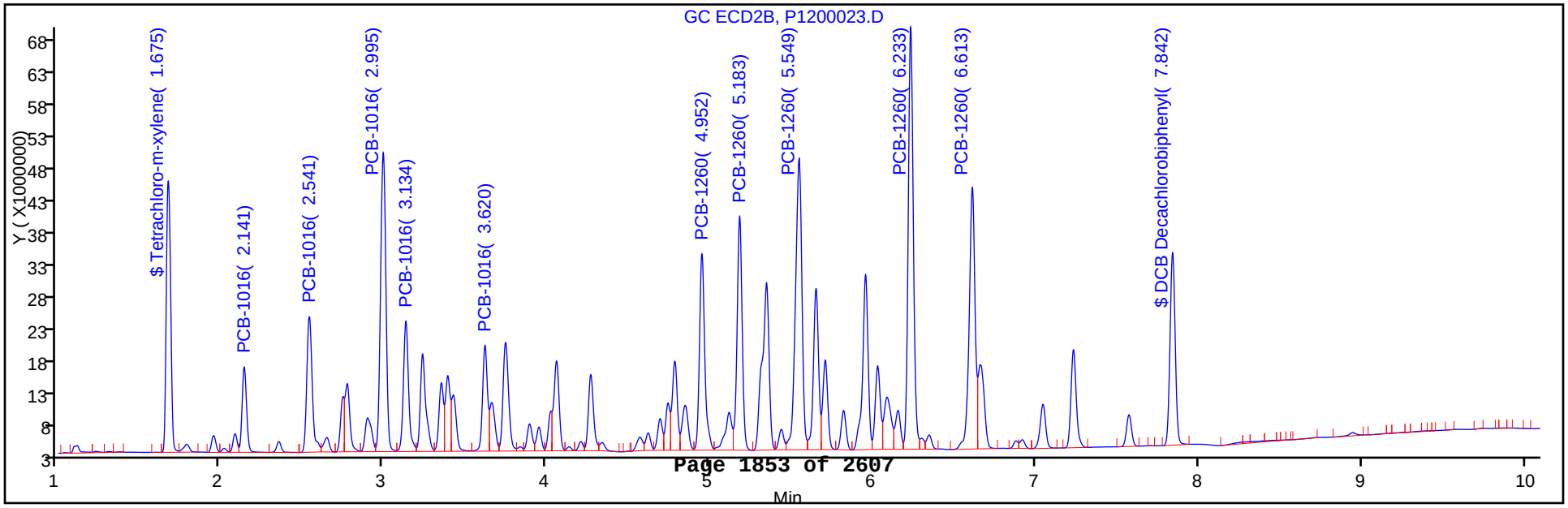
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Injection Date:	08-Apr-2013 12:03:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80543/17-A

Matrix: Solid Lab File ID: P1200017.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.00(g) Date Analyzed: 04/08/2013 10:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		40-140
2051-24-3	DCB Decachlorobiphenyl	82		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200017.D		
Lims ID:	MB 240-80543/17-A	Client ID:	
Inject. Date:	08-Apr-2013 10:36:17	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018628-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	17
Lims Batch ID:	80903	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.300	-0.002	16751721	0.0171			
2	2	1.671	1.673	-0.002	52862142	0.0198			
						RPD = 14.77			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	16651796	0.0163			
2	2	7.842	7.840	0.002	46706504	0.0158			
						RPD = 3.35			

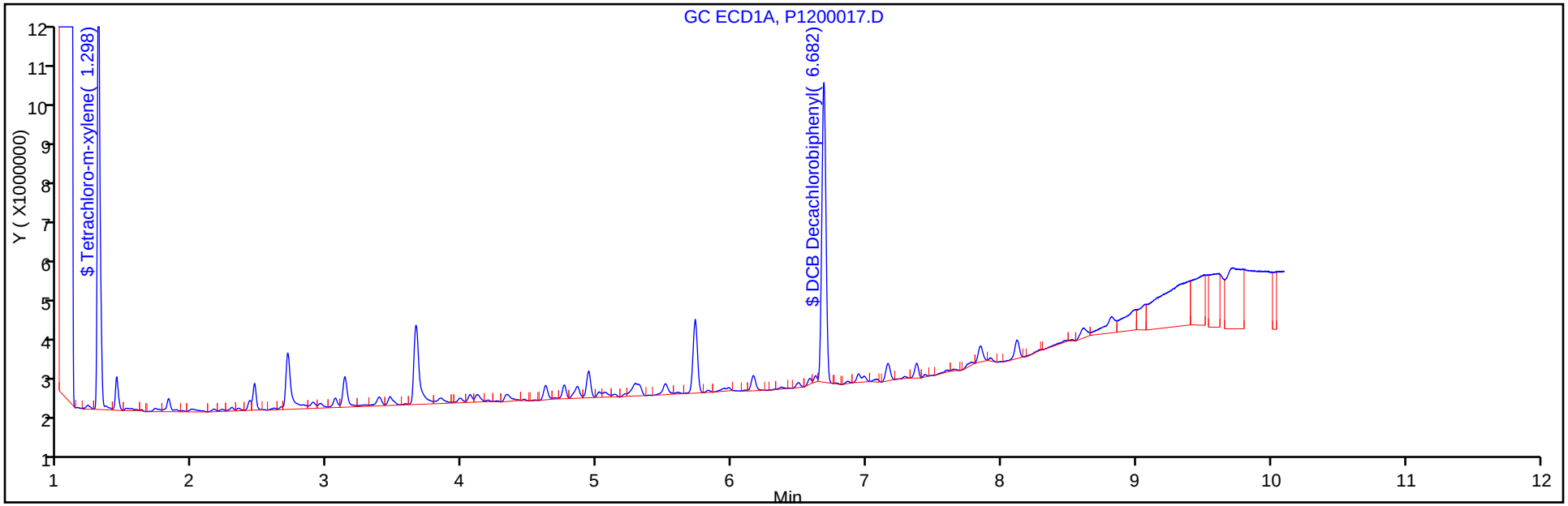
Report Date: 08-Apr-2013 13:51:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

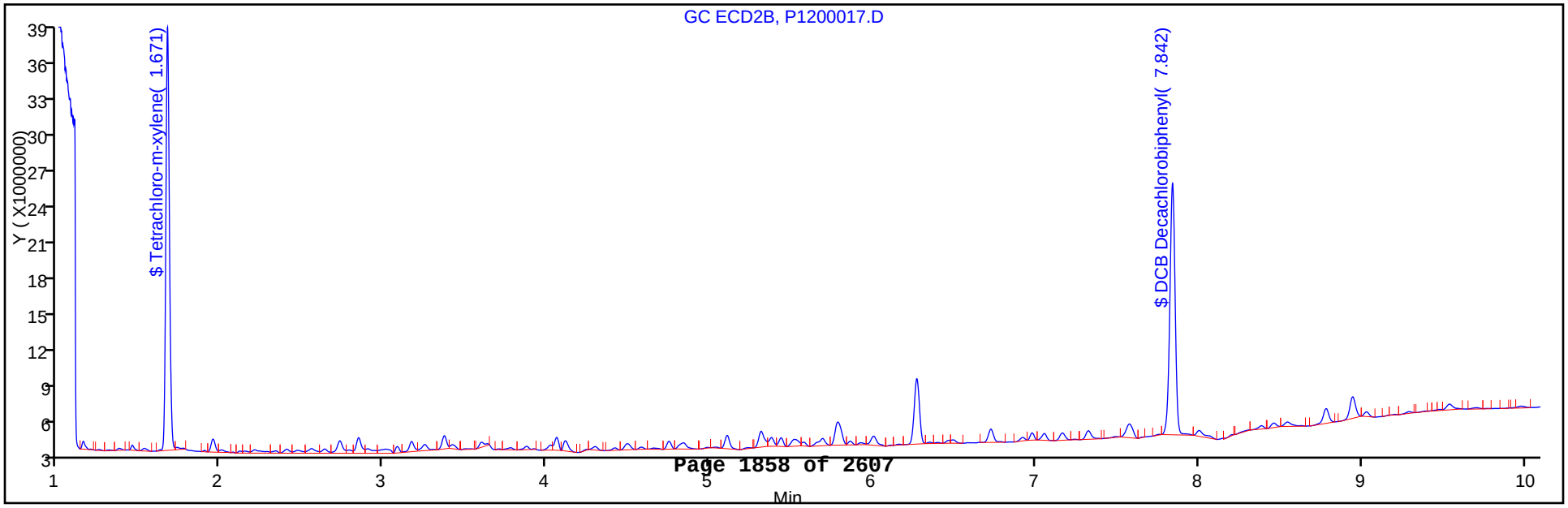
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Injection Date:	08-Apr-2013 10:36:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80543/17-A

Matrix: Solid Lab File ID: P1200017.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.00(g) Date Analyzed: 04/08/2013 10:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		40-140
2051-24-3	DCB Decachlorobiphenyl	79		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200017.D		
Lims ID:	MB 240-80543/17-A	Client ID:	
Inject. Date:	08-Apr-2013 10:36:17	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0018628-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	17
Lims Batch ID:	80903	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:46:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.300	-0.002	16751721	0.0171			
2	2	1.671	1.673	-0.002	52862142	0.0198			
						RPD = 14.77			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.579						
1	2		1.869						
1	3		2.269						
1	4		2.393						
1	5		2.779						
2	6		2.140						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.984						
1	2		4.272						
1	3		4.551						
1	4		5.251						
1	5		5.534						
2	6		4.951						
2	7		5.182						
2	8		5.548						
2	9		6.232						
2	10		6.612						
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	16651796	0.0163			
2	2	7.842	7.840	0.002	46706504	0.0158			
						RPD = 3.35			

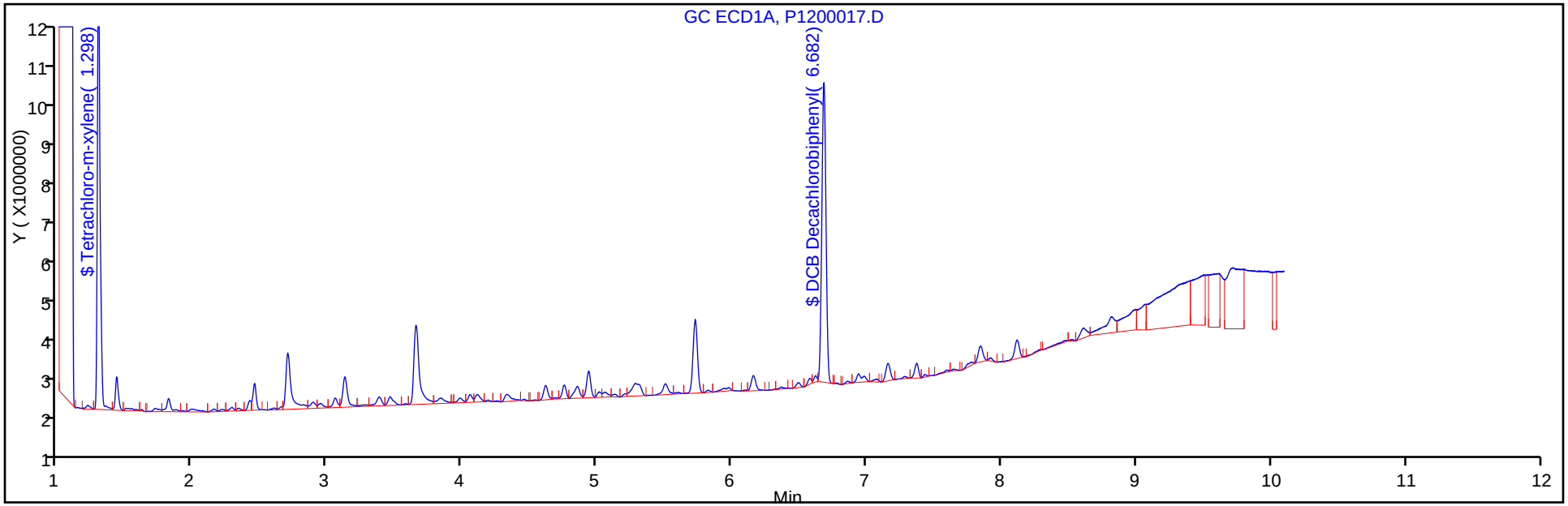
Report Date: 08-Apr-2013 13:51:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

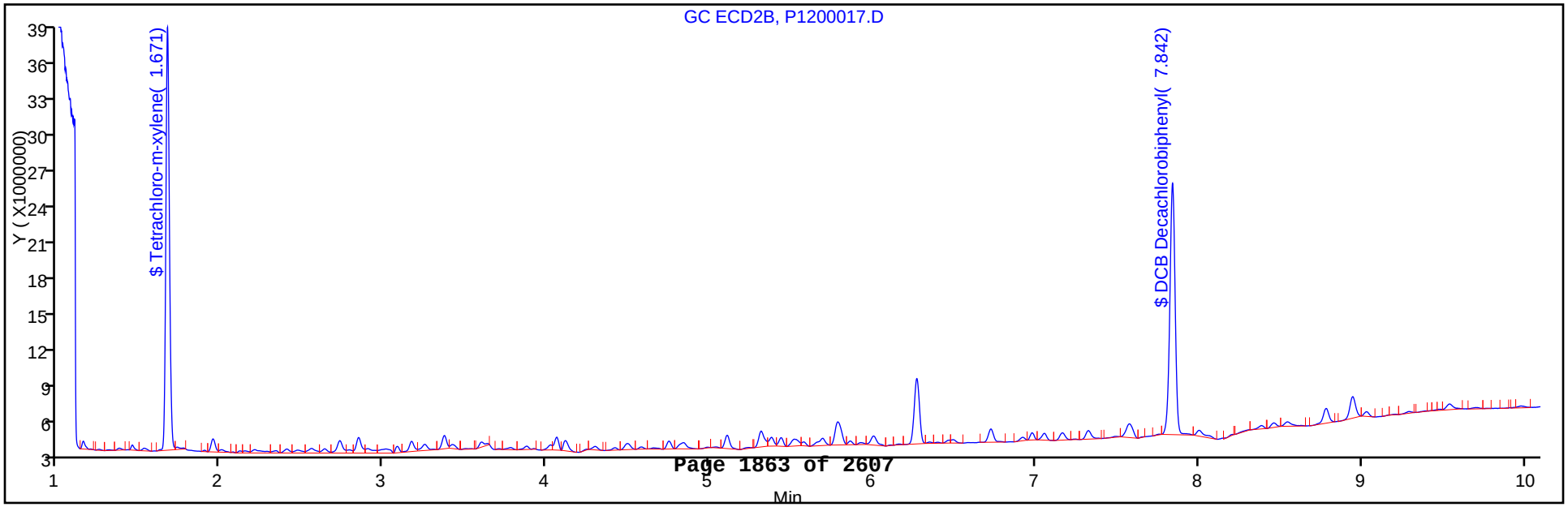
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Injection Date:	08-Apr-2013 10:36:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80543/18-A

Matrix: Solid Lab File ID: P1200022.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.00(g) Date Analyzed: 04/08/2013 11:48

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	325		65	25	21
11096-82-5	Aroclor-1260	324		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		40-140
2051-24-3	DCB Decachlorobiphenyl	90		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200022.D
Lims ID: LCS 240-80543/18-A
Client ID:
Inject. Date: 08-Apr-2013 11:48:34
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018628-022
Misc. Info.:
Operator:
Instrument ID: A2HP12
Injection Vol: 1.0 uL
ALS Bottle#: 22
Lims Batch ID: 80903
Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m
Last Update: 08-Apr-2013 13:50:47
Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl
Date: 08-Apr-2013 13:49:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.299	0.000	19368324	0.0197			
2	2	1.671	1.671	0.000	57231358	0.0214			
						RPD = 8.22			
6 PCB-1016									M
1	100	1.577	1.578	-0.001	14649489	0.9051		100.0	M
1	2	1.868	1.868	0.000	29662326	0.9863	165.5- 215.5	202.5	M
1	3	2.268	2.268	0.000	65810858	1.03	356.7- 406.7	449.2	M
1	4	2.390	2.390	0.000	27719169	1.03	144.0- 194.0	189.2	M
1	5	2.774	2.775	-0.001	26149474	0.9255	153.1- 203.1	178.5	M
			Average of Peak Amounts =			0.9743			
2	6	2.139	2.138	0.001	41149119	0.9084		100.0	
2	7	2.539	2.538	0.001	88799969	1.01	165.6- 225.6	215.8	
2	8	2.994	2.993	0.001	198035422	1.09	366.1- 426.1	481.3	
2	9	3.133	3.132	0.001	68406061	0.8636	144.6- 204.6	166.2	
2	10	3.619	3.618	0.001	59735800	0.9066	112.9- 172.9	145.2	
			Average of Peak Amounts =			0.9565			
						RPD = 1.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.983	3.983	0.000	41336605	0.9481		100.0	M
1	2	4.270	4.270	0.000	83064370	0.9645	172.1- 222.1	200.9	M
1	3	4.550	4.550	0.000	83657419	0.99	168.4- 218.4	202.4	M
1	4	5.249	5.248	0.001	118192163	1.00	244.3- 294.3	285.9	M
1	5	5.532	5.530	0.002	54077130	0.9635	104.3- 154.3	130.8	M
			Average of Peak Amounts =			0.9731			
2	6	4.951	4.951	0.000	128072539	0.9862		100.0	
2	7	5.183	5.183	0.000	136469346	0.9394	80.1- 140.1	106.6	
2	8	5.548	5.548	0.000	232546175	1.01	146.6- 206.6	181.6	
2	9	6.234	6.233	0.001	282580181	1.05	174.1- 234.1	220.6	
2	10	6.612	6.612	0.000	190853015	0.9536	121.8- 181.8	149.0	
			Average of Peak Amounts =			0.9873			
						RPD = 1.45			
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.684	-0.001	18424406	0.0181			
2	2	7.842	7.840	0.002	50837348	0.0172			
						RPD = 4.99			

QC Flag Legend

Review Flags
M - Manually Integrated

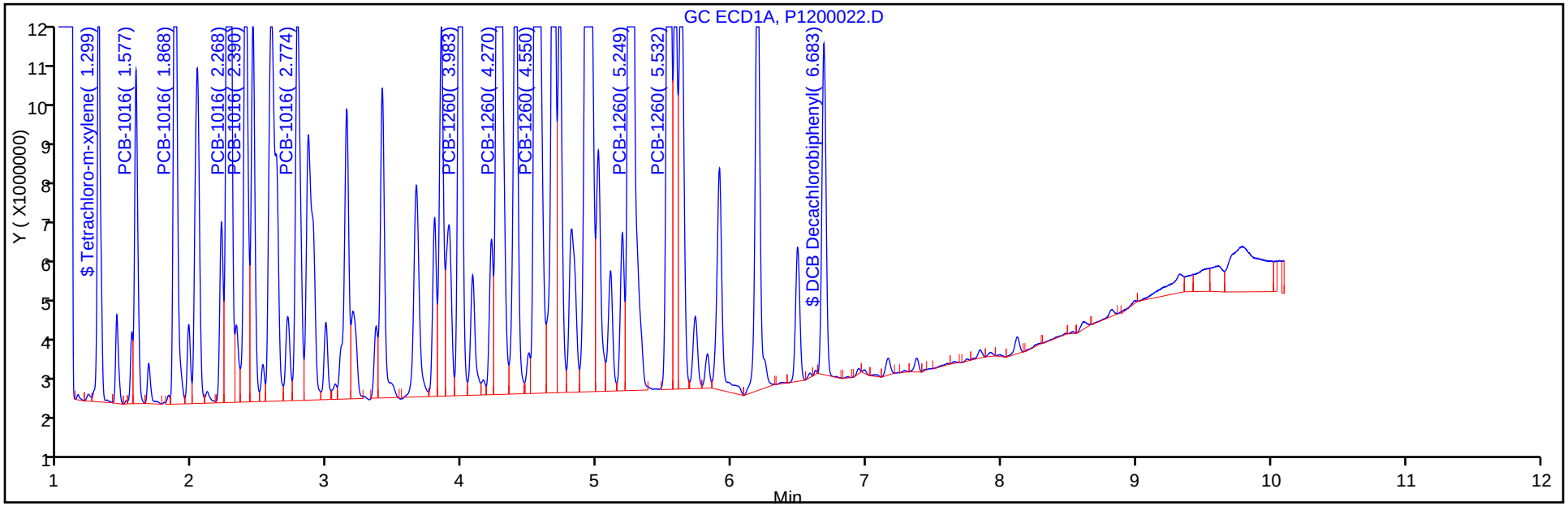
Report Date: 08-Apr-2013 13:50:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

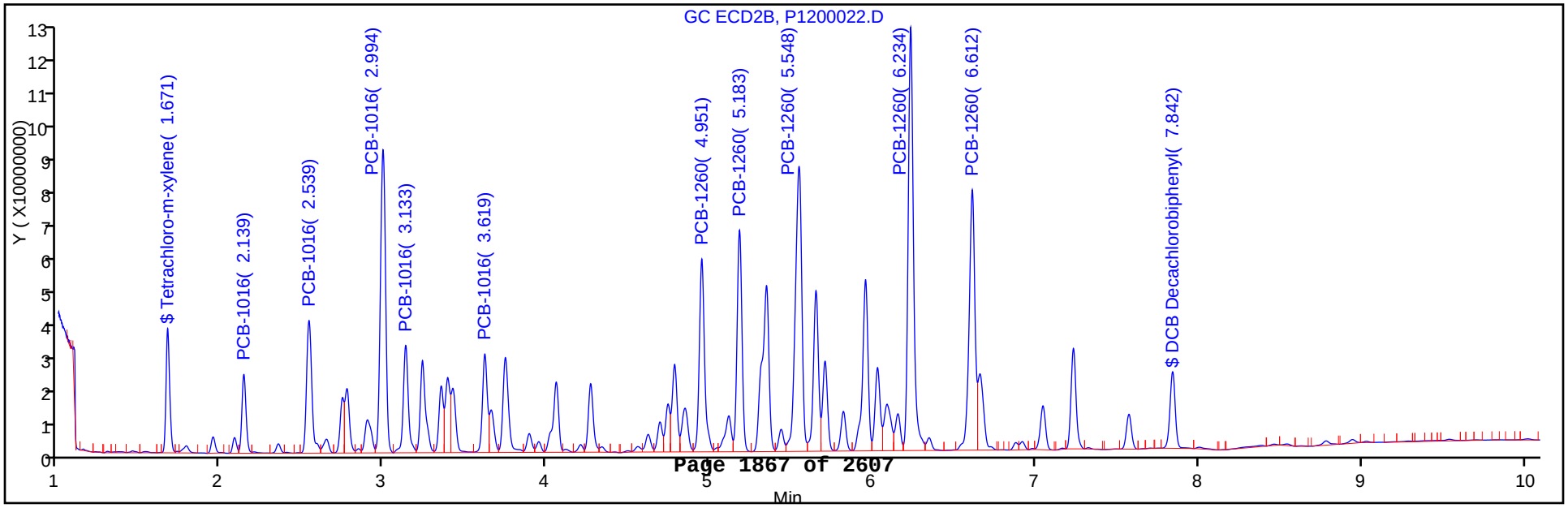
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Injection Date:	08-Apr-2013 11:48:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



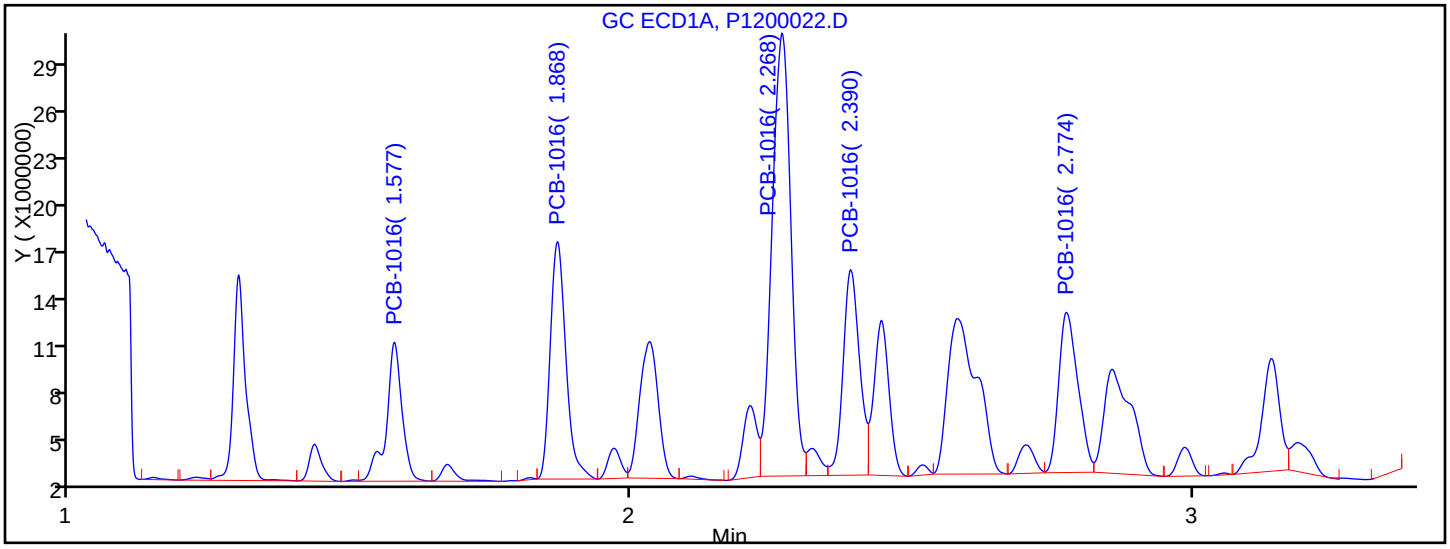
Report Date: 08-Apr-2013 13:50:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200022.D

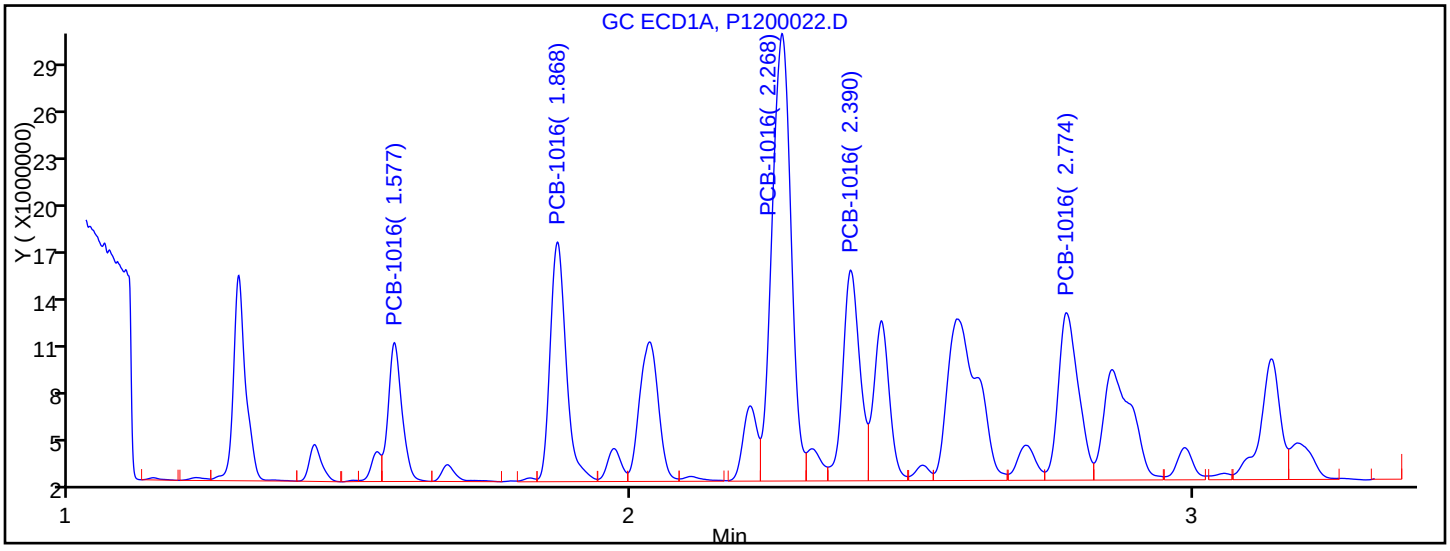
Injection Date:	08-Apr-2013 11:48:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.577	Response = 16898267	M
RT = 1.868	Response = 28737358	M
RT = 2.268	Response = 64379433	M
RT = 2.390	Response = 26284259	M
RT = 2.774	Response = 23741068	M



Manual Integration Results

RT = 1.577	Response = 14649489	M
RT = 1.868	Response = 29662326	M
RT = 2.268	Response = 65810858	M
RT = 2.390	Response = 27719169	M
RT = 2.774	Response = 26149474	M

Reviewer: hassl, 08-Apr-2013 13:49:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

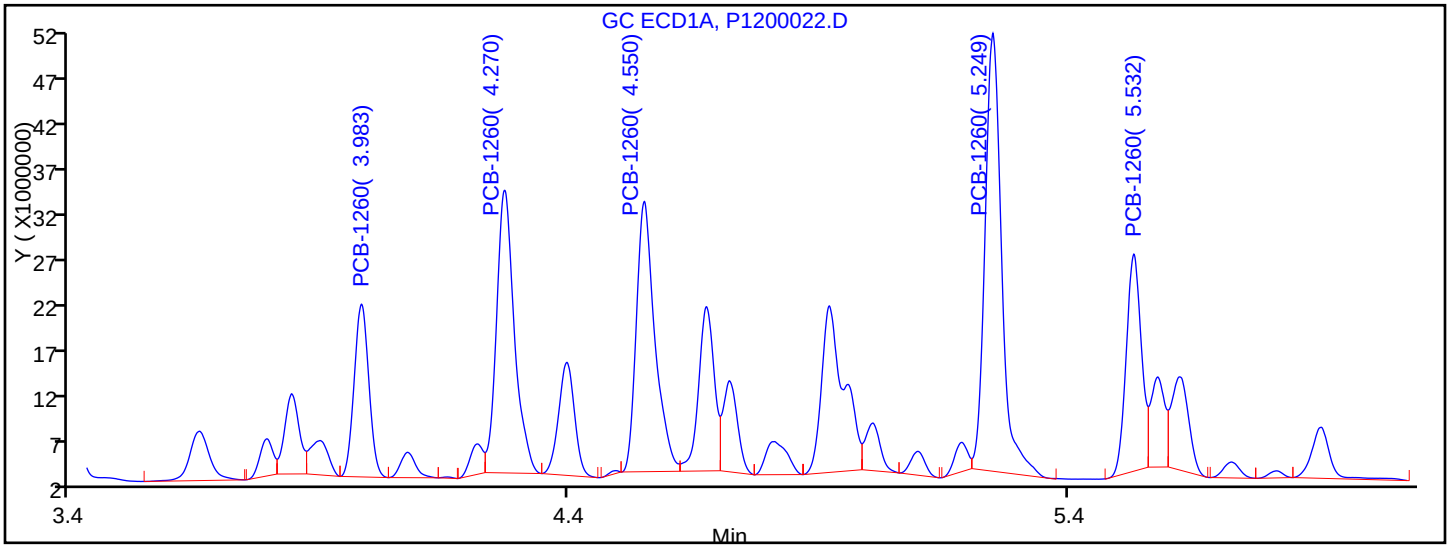
Report Date: 08-Apr-2013 13:50:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200022.D

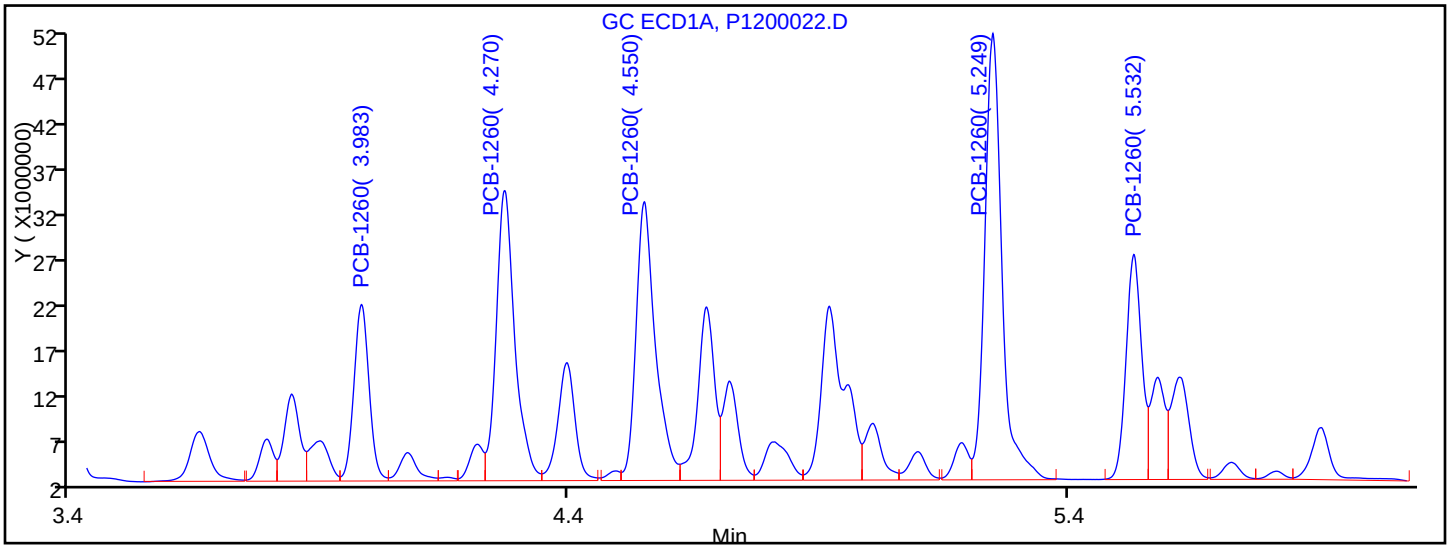
Injection Date:	08-Apr-2013 11:48:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.983	Response = 38988214	M
RT = 4.270	Response = 77587303	M
RT = 4.550	Response = 77010445	M
RT = 5.249	Response = 111990798	M
RT = 5.532	Response = 50610956	M



Manual Integration Results

RT = 3.983	Response = 41336605	M
RT = 4.270	Response = 83064370	M
RT = 4.550	Response = 83657419	M
RT = 5.249	Response = 118192163	M
RT = 5.532	Response = 54077130	M

Reviewer: hassl, 08-Apr-2013 13:49:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80543/18-A

Matrix: Solid | Lab File ID: P1200022.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.00(g) | Date Analyzed: 04/08/2013 11:48

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	*Aroclor-1016*	*319*		*65*	25	*21*
11096-82-5	*Aroclor-1260*	*329*		*55*	25	*17*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		40-140
2051-24-3	DCB Decachlorobiphenyl	86		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200022.D		
Lims ID:	LCS 240-80543/18-A	Client ID:	
Inject. Date:	08-Apr-2013 11:48:34	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0018628-022		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	22
Lims Batch ID:	80903	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	08-Apr-2013 13:49:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.299	0.000	19368324	0.0197			
2	2	1.671	1.671	0.000	57231358	0.0214			
						RPD = 8.22			
6 PCB-1016									M
1	100	1.577	1.578	-0.001	14649489	0.9051		100.0	M
1	2	1.868	1.868	0.000	29662326	0.9863	165.5- 215.5	202.5	M
1	3	2.268	2.268	0.000	65810858	1.03	356.7- 406.7	449.2	M
1	4	2.390	2.390	0.000	27719169	1.03	144.0- 194.0	189.2	M
1	5	2.774	2.775	-0.001	26149474	0.9255	153.1- 203.1	178.5	M
			Average of Peak Amounts =			0.9743			
2	6	2.139	2.138	0.001	41149119	0.9084		100.0	
2	7	2.539	2.538	0.001	88799969	1.01	165.6- 225.6	215.8	
2	8	2.994	2.993	0.001	198035422	1.09	366.1- 426.1	481.3	
2	9	3.133	3.132	0.001	68406061	0.8636	144.6- 204.6	166.2	
2	10	3.619	3.618	0.001	59735800	0.9066	112.9- 172.9	145.2	
			Average of Peak Amounts =			0.9565			
						RPD = 1.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.983	3.983	0.000	41336605	0.9481		100.0	M
1	2	4.270	4.270	0.000	83064370	0.9645	172.1- 222.1	200.9	M
1	3	4.550	4.550	0.000	83657419	0.99	168.4- 218.4	202.4	M
1	4	5.249	5.248	0.001	118192163	1.00	244.3- 294.3	285.9	M
1	5	5.532	5.530	0.002	54077130	0.9635	104.3- 154.3	130.8	M
			Average of Peak Amounts =			0.9731			
2	6	4.951	4.951	0.000	128072539	0.9862		100.0	
2	7	5.183	5.183	0.000	136469346	0.9394	80.1- 140.1	106.6	
2	8	5.548	5.548	0.000	232546175	1.01	146.6- 206.6	181.6	
2	9	6.234	6.233	0.001	282580181	1.05	174.1- 234.1	220.6	
2	10	6.612	6.612	0.000	190853015	0.9536	121.8- 181.8	149.0	
			Average of Peak Amounts =			0.9873			
						RPD = 1.45			
$ 12 DCB Decachlorobiphenyl									
1	100	6.683	6.684	-0.001	18424406	0.0181			
2	2	7.842	7.840	0.002	50837348	0.0172			
						RPD = 4.99			

QC Flag Legend

Review Flags
M - Manually Integrated

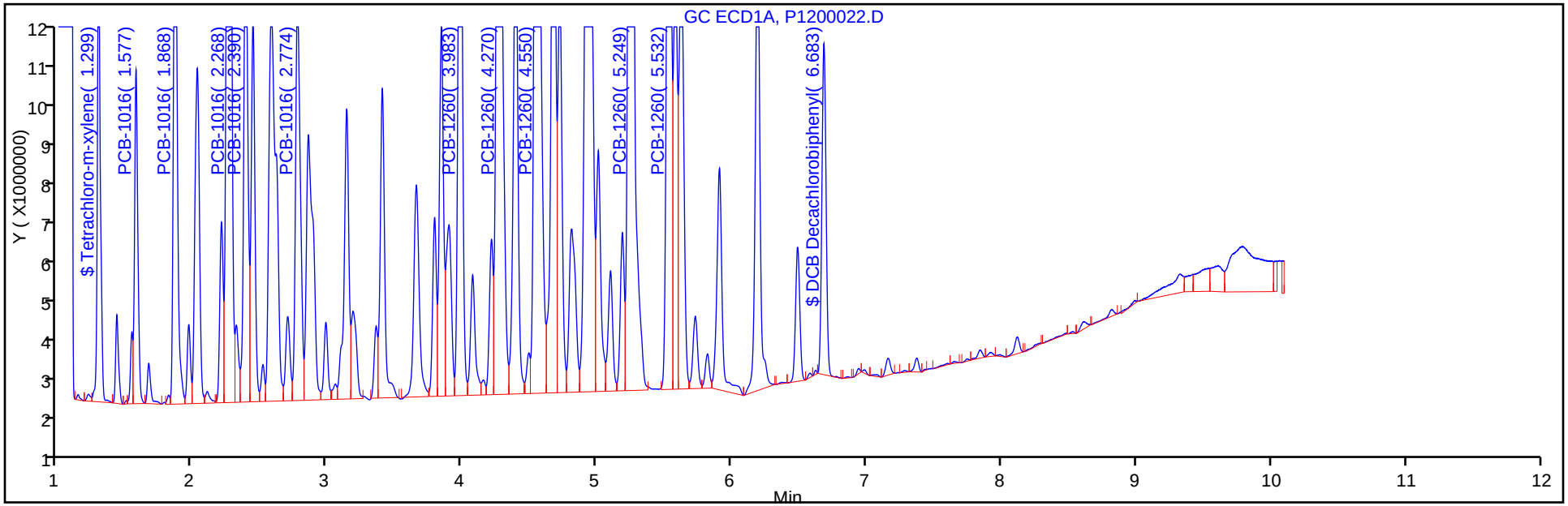
Report Date: 08-Apr-2013 13:50:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

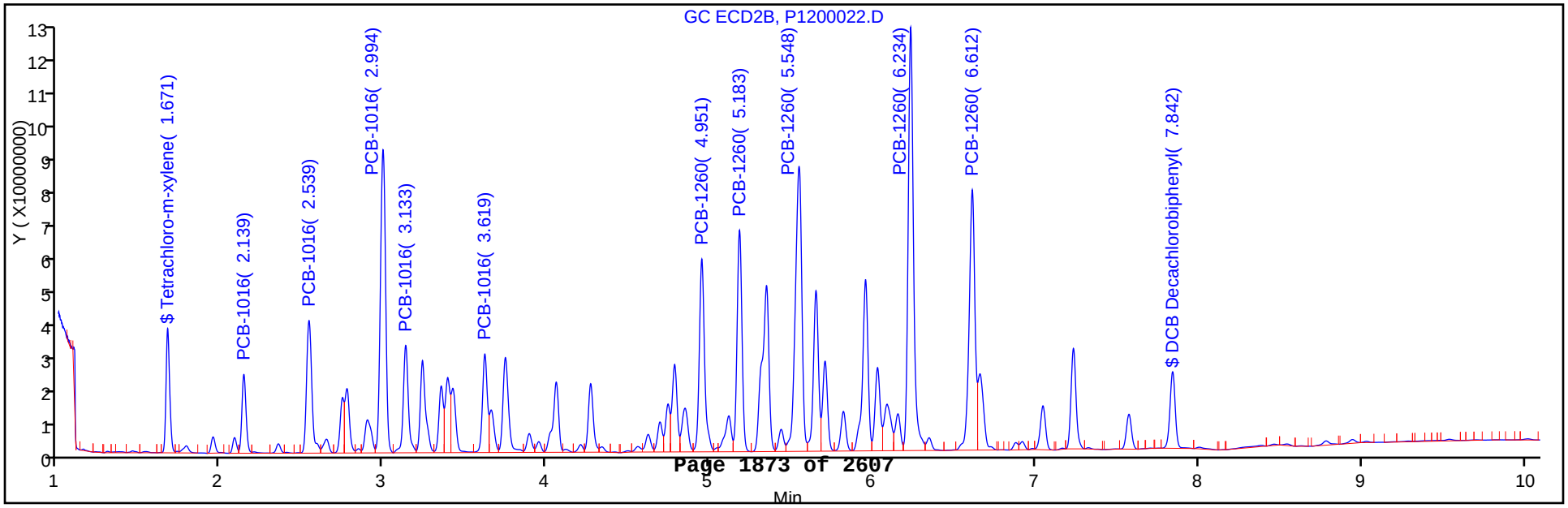
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200022.D

Injection Date:	08-Apr-2013 11:48:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80903/10

Matrix: Solid Lab File ID: P1200010.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 04/08/2013 08:56

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0606		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0526		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	140		50-150
2051-24-3	DCB Decachlorobiphenyl	140	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200010.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	08-Apr-2013 08:56:00	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018628-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	10
Lims Batch ID:	80903	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:45:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	3437048	0.003504			
2	2	1.671	1.673	-0.002	8742464	0.003275			
						RPD = 6.76			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.577	1.579	-0.002	1022188	0.0632		100.0	
1	2	1.867	1.869	-0.002	1823433	0.0606	165.5- 215.5	178.4	
1	3	2.268	2.269	-0.001	3773598	0.0590	356.7- 406.7	369.2	
1	4	2.390	2.393	-0.003	1614112	0.0597	144.0- 194.0	157.9	
1	5	2.776	2.779	-0.003	1711907	0.0606	153.1- 203.1	167.5	
			Average of Peak Amounts =			0.0606			
2	6	2.139	2.140	-0.001	2810217	0.0620		100.0	
2	7	2.540	2.539	0.001	5472276	0.0625	165.6- 225.6	194.7	
2	8	2.994	2.994	0.000	10124330	0.0557	366.1- 426.1	360.3	
2	9	3.134	3.132	0.002	4564087	0.0576	144.6- 204.6	162.4	
2	10	3.619	3.618	0.001	3998626	0.0607	112.9- 172.9	142.3	
			Average of Peak Amounts =			0.0597			
						RPD = 1.51			
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.984	-0.001	2406421	0.0552		100.0	
1	2	4.270	4.272	-0.002	4623456	0.0537	172.1- 222.1	192.1	
1	3	4.549	4.551	-0.002	4471428	0.0530	168.4- 218.4	185.8	
1	4	5.250	5.251	-0.001	5930127	0.0501	244.3- 294.3	246.4	
1	5	5.533	5.534	-0.001	2865219	0.0511	104.3- 154.3	119.1	
			Average of Peak Amounts =			0.0526			
2	6	4.951	4.951	0.000	6971220	0.0537		100.0	
2	7	5.183	5.182	0.001	7736502	0.0533	80.1- 140.1	111.0	
2	8	5.549	5.548	0.001	11861654	0.0513	146.6- 206.6	170.2	
2	9	6.234	6.232	0.002	13381138	0.0498	174.1- 234.1	191.9	
2	10	6.611	6.612	-0.001	9663902	0.0483	121.8- 181.8	138.6	
			Average of Peak Amounts =			0.0513			
						RPD = 2.57			
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	3569234	0.003499			
2	2	7.842	7.840	0.002	8123784	0.002746			
						RPD = 24.12			

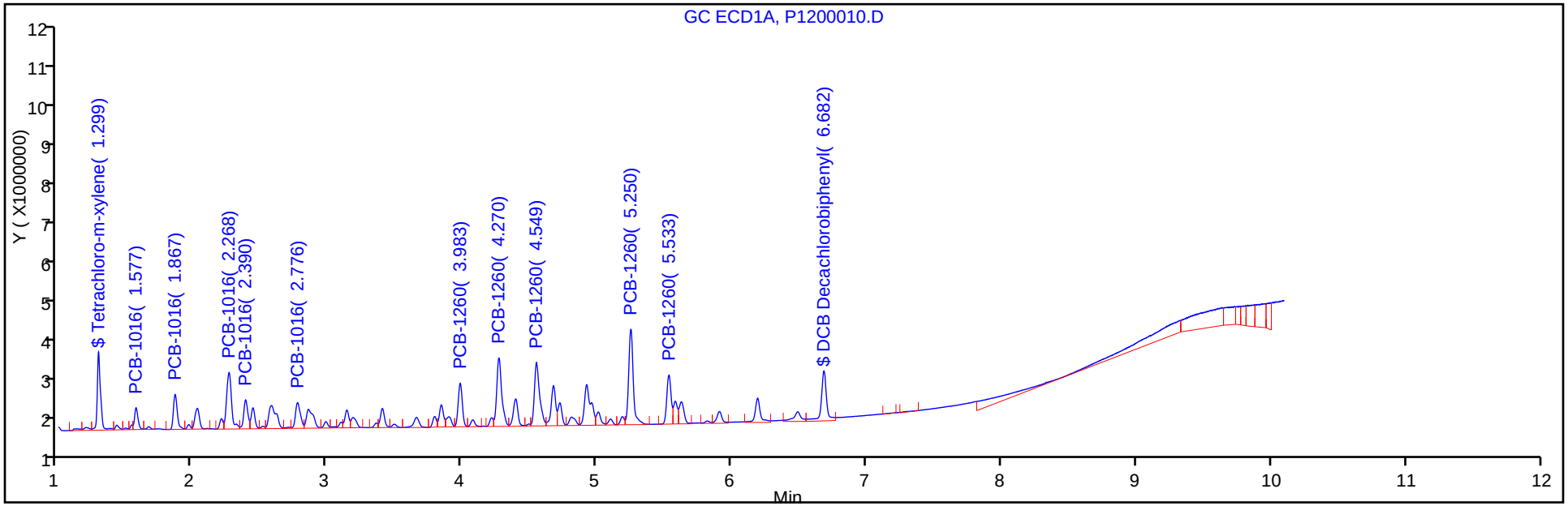
Report Date: 08-Apr-2013 13:50:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

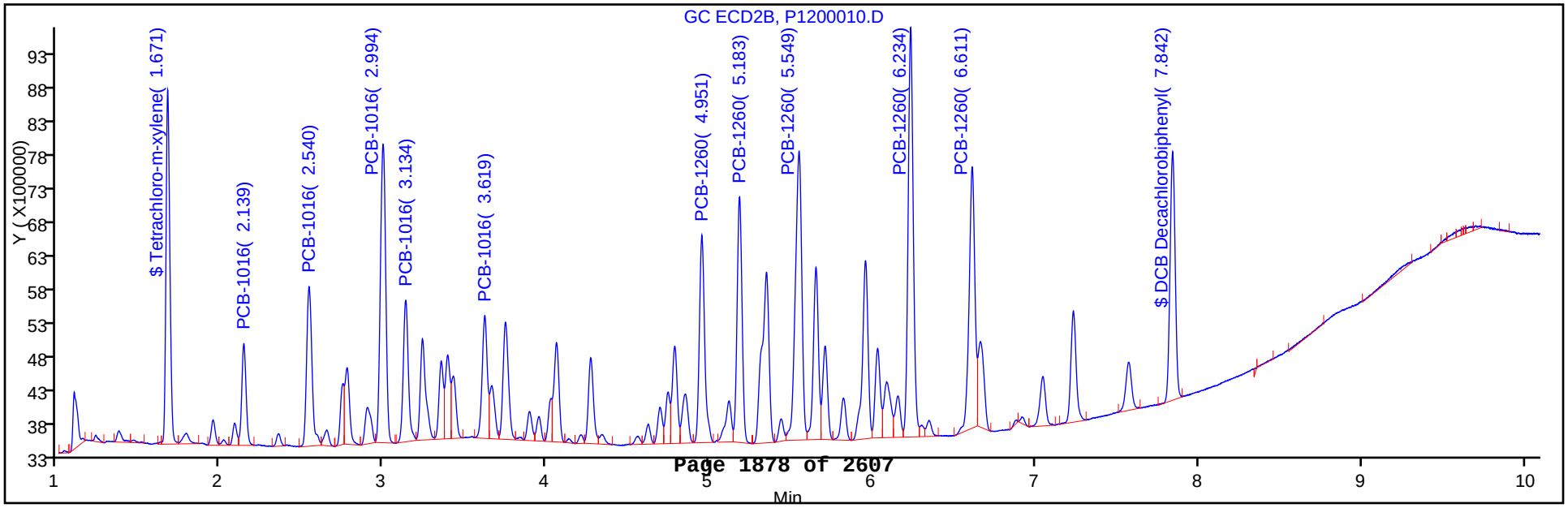
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Injection Date:	08-Apr-2013 08:56:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80903/10

Matrix: Solid Lab File ID: P1200010.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 04/08/2013 08:56

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0597*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0513*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		50-150
2051-24-3	DCB Decachlorobiphenyl	110		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200010.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	08-Apr-2013 08:56:00	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018628-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	10
Lims Batch ID:	80903	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:53	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:45:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	3437048	0.003504			
2	2	1.671	1.673	-0.002	8742464	0.003275			
						RPD = 6.76			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.577	1.579	-0.002	1022188	0.0632		100.0	
1	2	1.867	1.869	-0.002	1823433	0.0606	165.5- 215.5	178.4	
1	3	2.268	2.269	-0.001	3773598	0.0590	356.7- 406.7	369.2	
1	4	2.390	2.393	-0.003	1614112	0.0597	144.0- 194.0	157.9	
1	5	2.776	2.779	-0.003	1711907	0.0606	153.1- 203.1	167.5	
			Average of Peak Amounts =			0.0606			
2	6	2.139	2.140	-0.001	2810217	0.0620		100.0	
2	7	2.540	2.539	0.001	5472276	0.0625	165.6- 225.6	194.7	
2	8	2.994	2.994	0.000	10124330	0.0557	366.1- 426.1	360.3	
2	9	3.134	3.132	0.002	4564087	0.0576	144.6- 204.6	162.4	
2	10	3.619	3.618	0.001	3998626	0.0607	112.9- 172.9	142.3	
			Average of Peak Amounts =			0.0597			
						RPD = 1.51			
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.983	3.984	-0.001	2406421	0.0552		100.0	
1	2	4.270	4.272	-0.002	4623456	0.0537	172.1- 222.1	192.1	
1	3	4.549	4.551	-0.002	4471428	0.0530	168.4- 218.4	185.8	
1	4	5.250	5.251	-0.001	5930127	0.0501	244.3- 294.3	246.4	
1	5	5.533	5.534	-0.001	2865219	0.0511	104.3- 154.3	119.1	
			Average of Peak Amounts =			0.0526			
2	6	4.951	4.951	0.000	6971220	0.0537		100.0	
2	7	5.183	5.182	0.001	7736502	0.0533	80.1- 140.1	111.0	
2	8	5.549	5.548	0.001	11861654	0.0513	146.6- 206.6	170.2	
2	9	6.234	6.232	0.002	13381138	0.0498	174.1- 234.1	191.9	
2	10	6.611	6.612	-0.001	9663902	0.0483	121.8- 181.8	138.6	
			Average of Peak Amounts =			0.0513			
						RPD = 2.57			
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.682	6.683	-0.001	3569234	0.003499			
2	2	7.842	7.840	0.002	8123784	0.002746			
						RPD = 24.12			

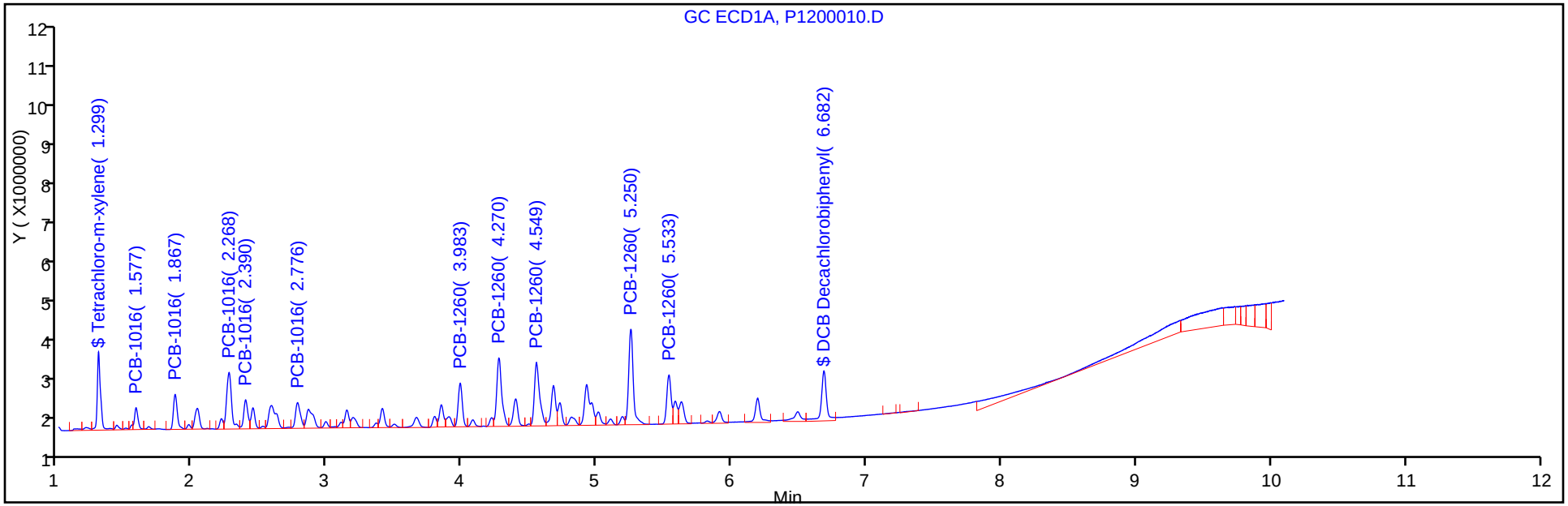
Report Date: 08-Apr-2013 13:50:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

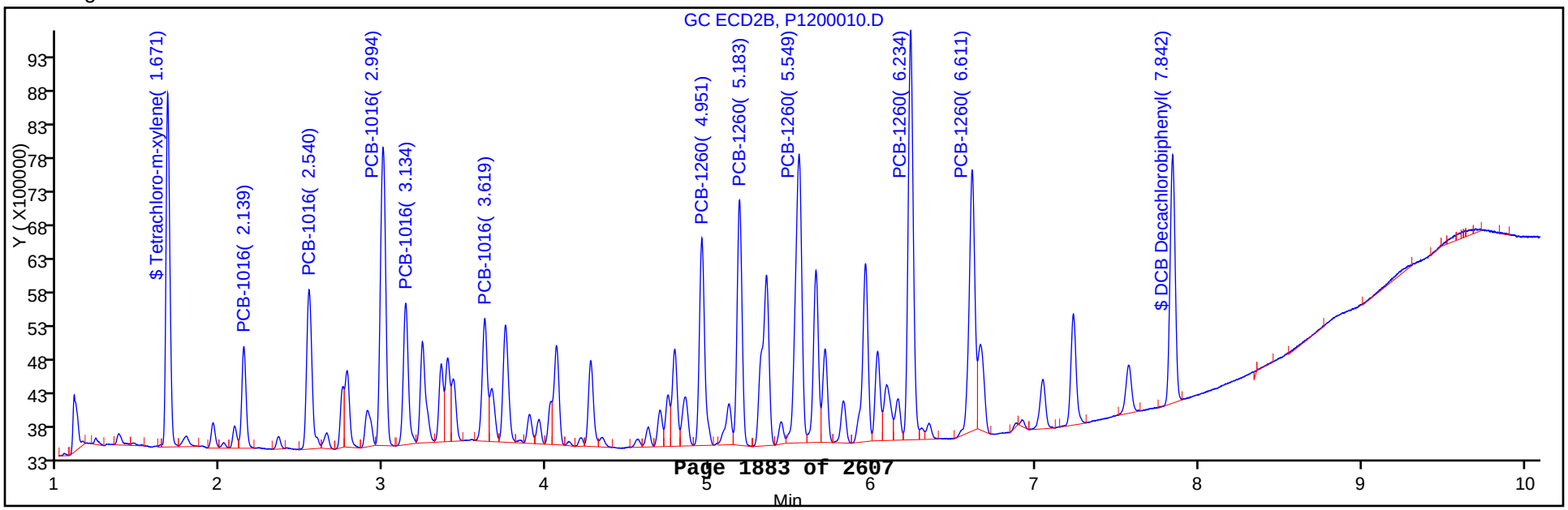
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200010.D

Injection Date:	08-Apr-2013 08:56:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80903/24

Matrix: Solid Lab File ID: P1200024.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 04/08/2013 12:17

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0603		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0540		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	136		50-150
2051-24-3	DCB Decachlorobiphenyl	112		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200024.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	08-Apr-2013 12:17:26	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018628-024		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	24
Lims Batch ID:	80903	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:45	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:50:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	3339153	0.003404			
2	2	1.670	1.675	-0.005	8888279	0.003330			
						RPD = 2.22			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									
1	100	1.576	1.581	-0.005	1015477	0.0627		100.0	
1	2	1.866	1.872	-0.006	1831779	0.0609	165.5- 215.5	180.4	
1	3	2.266	2.271	-0.005	3841956	0.0600	356.7- 406.7	378.3	
1	4	2.389	2.394	-0.005	1558143	0.0577	144.0- 194.0	153.4	
1	5	2.774	2.779	-0.005	1693440	0.0599	153.1- 203.1	166.8	
			Average of Peak Amounts =			0.0603			
2	6	2.138	2.141	-0.003	2983183	0.0659		100.0	
2	7	2.539	2.541	-0.002	5454650	0.0623	165.6- 225.6	182.8	
2	8	2.993	2.995	-0.002	10394600	0.0571	366.1- 426.1	348.4	
2	9	3.132	3.134	-0.002	4802964	0.0606	144.6- 204.6	161.0	
2	10	3.617	3.620	-0.003	4196687	0.0637	112.9- 172.9	140.7	
			Average of Peak Amounts =			0.0619			
						RPD = 2.74			
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									
1	100	3.981	3.985	-0.004	2410721	0.0553		100.0	
1	2	4.269	4.273	-0.004	4721234	0.0548	172.1- 222.1	195.8	
1	3	4.549	4.553	-0.004	4604309	0.0545	168.4- 218.4	191.0	
1	4	5.249	5.251	-0.002	6177141	0.0522	244.3- 294.3	256.2	
1	5	5.531	5.533	-0.002	2989855	0.0533	104.3- 154.3	124.0	
			Average of Peak Amounts =			0.0540			
2	6	4.951	4.952	-0.001	6964417	0.0536		100.0	
2	7	5.183	5.183	0.000	7772278	0.0535	80.1- 140.1	111.6	
2	8	5.549	5.549	0.000	11838870	0.0512	146.6- 206.6	170.0	
2	9	6.233	6.233	0.000	13945664	0.0519	174.1- 234.1	200.2	
2	10	6.611	6.613	-0.002	10395539	0.0519	121.8- 181.8	149.3	
			Average of Peak Amounts =			0.0524			
						RPD = 2.98			
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.684	-0.003	2858105	0.002802			
2	2	7.840	7.842	-0.002	8827745	0.002984			
						RPD = 6.29			

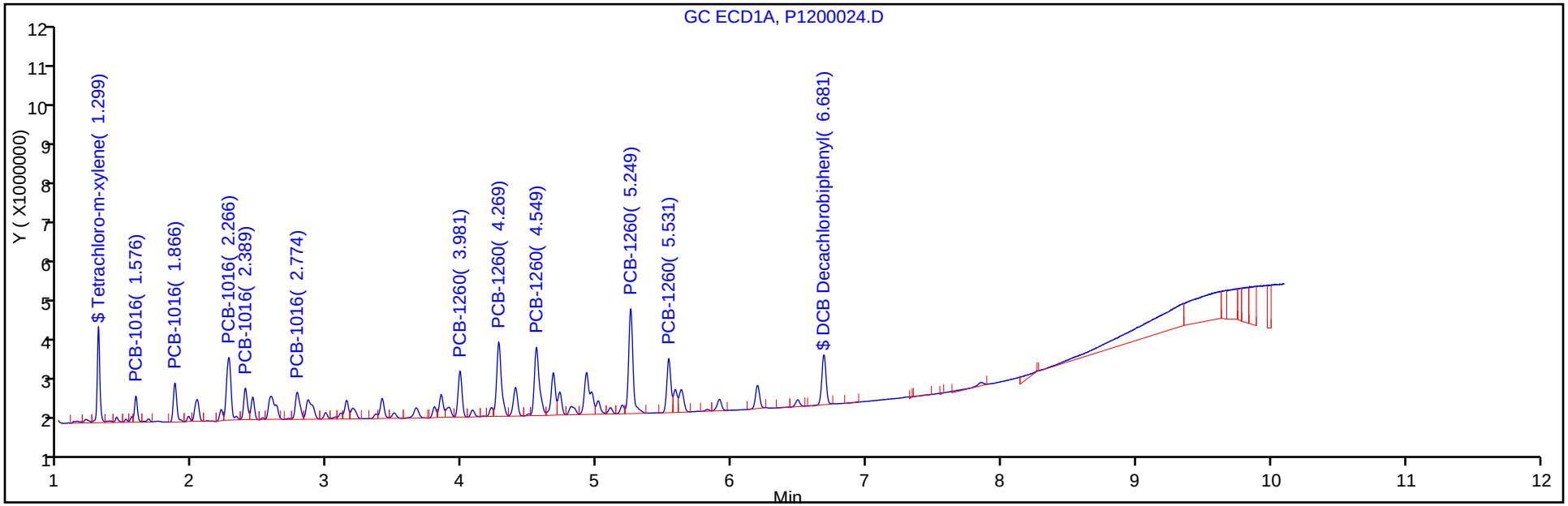
Report Date: 08-Apr-2013 13:50:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

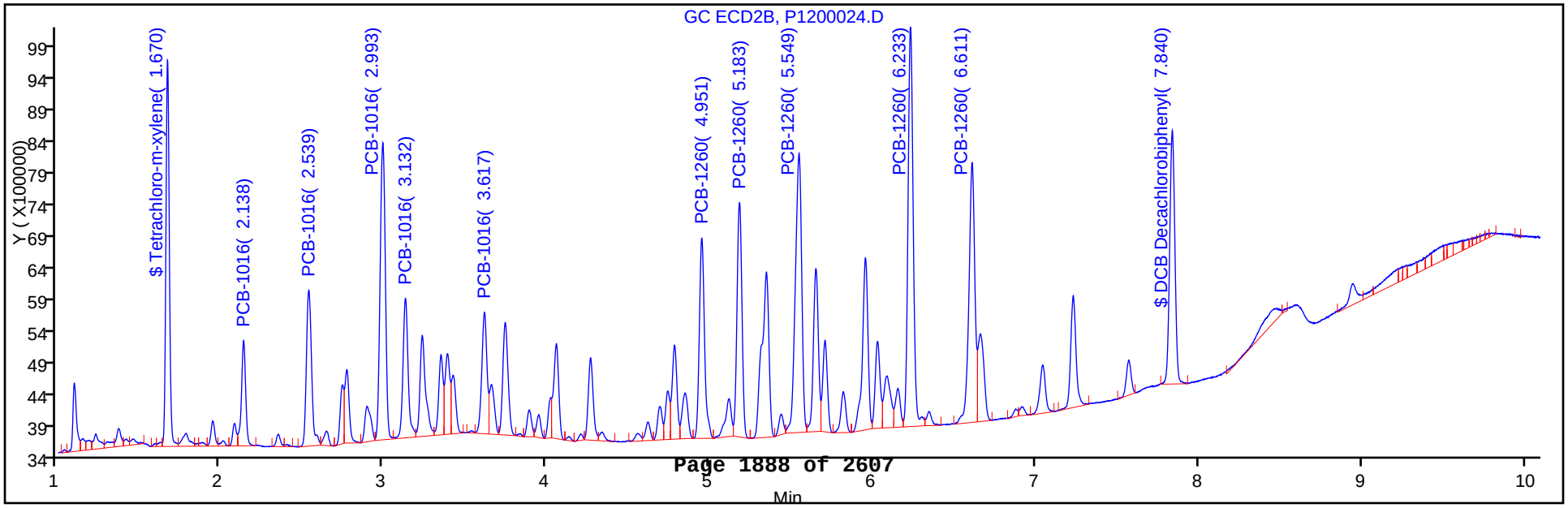
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200024.D

Injection Date:	08-Apr-2013 12:17:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80903/24

Matrix: Solid Lab File ID: P1200024.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 04/08/2013 12:17

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0619*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0524*		*0.050*	0.00020	*0.017*

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200024.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	08-Apr-2013 12:17:26	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0018628-024		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	24
Lims Batch ID:	80903	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:45	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:50:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.300	-0.001	3339153	0.003404			
2	2	1.670	1.675	-0.005	8888279	0.003330			
						RPD = 2.22			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									
1	100	1.576	1.581	-0.005	1015477	0.0627		100.0	
1	2	1.866	1.872	-0.006	1831779	0.0609	165.5- 215.5	180.4	
1	3	2.266	2.271	-0.005	3841956	0.0600	356.7- 406.7	378.3	
1	4	2.389	2.394	-0.005	1558143	0.0577	144.0- 194.0	153.4	
1	5	2.774	2.779	-0.005	1693440	0.0599	153.1- 203.1	166.8	
			Average of Peak Amounts =			0.0603			
2	6	2.138	2.141	-0.003	2983183	0.0659		100.0	
2	7	2.539	2.541	-0.002	5454650	0.0623	165.6- 225.6	182.8	
2	8	2.993	2.995	-0.002	10394600	0.0571	366.1- 426.1	348.4	
2	9	3.132	3.134	-0.002	4802964	0.0606	144.6- 204.6	161.0	
2	10	3.617	3.620	-0.003	4196687	0.0637	112.9- 172.9	140.7	
			Average of Peak Amounts =			0.0619			
						RPD = 2.74			
7 PCB-1248									
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									
1	100	3.981	3.985	-0.004	2410721	0.0553		100.0	
1	2	4.269	4.273	-0.004	4721234	0.0548	172.1- 222.1	195.8	
1	3	4.549	4.553	-0.004	4604309	0.0545	168.4- 218.4	191.0	
1	4	5.249	5.251	-0.002	6177141	0.0522	244.3- 294.3	256.2	
1	5	5.531	5.533	-0.002	2989855	0.0533	104.3- 154.3	124.0	
			Average of Peak Amounts =			0.0540			
2	6	4.951	4.952	-0.001	6964417	0.0536		100.0	
2	7	5.183	5.183	0.000	7772278	0.0535	80.1- 140.1	111.6	
2	8	5.549	5.549	0.000	11838870	0.0512	146.6- 206.6	170.0	
2	9	6.233	6.233	0.000	13945664	0.0519	174.1- 234.1	200.2	
2	10	6.611	6.613	-0.002	10395539	0.0519	121.8- 181.8	149.3	
			Average of Peak Amounts =			0.0524			
						RPD = 2.98			
11 PCB-1268									
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.681	6.684	-0.003	2858105	0.002802			
2	2	7.840	7.842	-0.002	8827745	0.002984			
						RPD = 6.29			

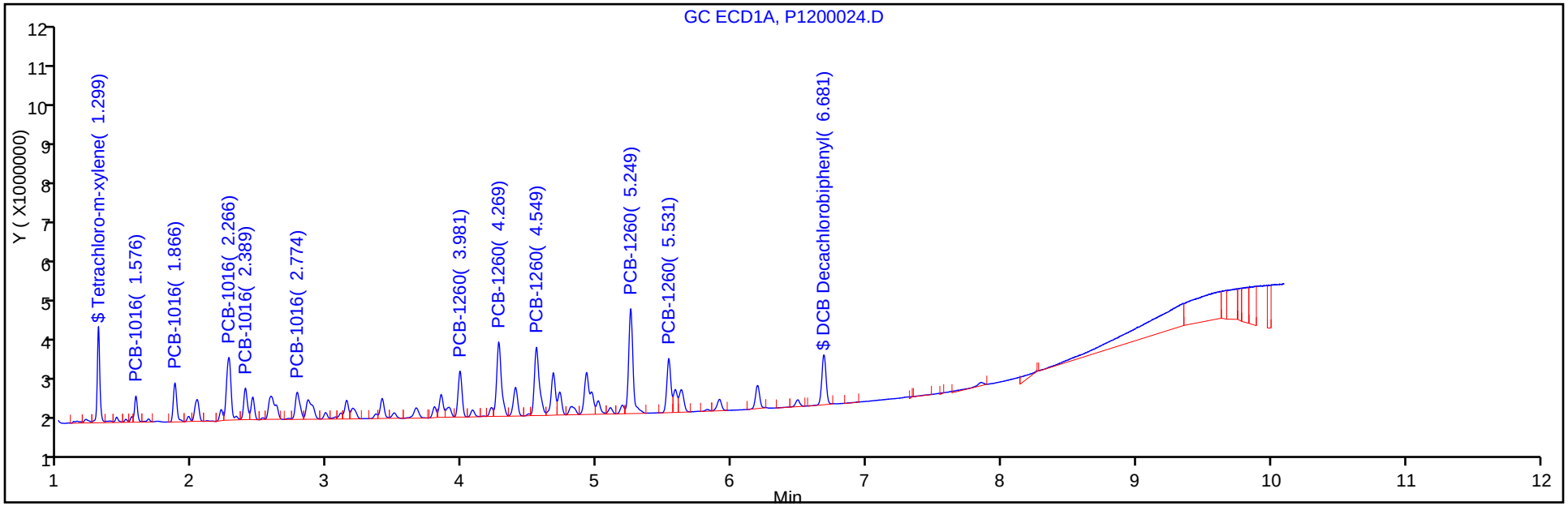
Report Date: 08-Apr-2013 13:50:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

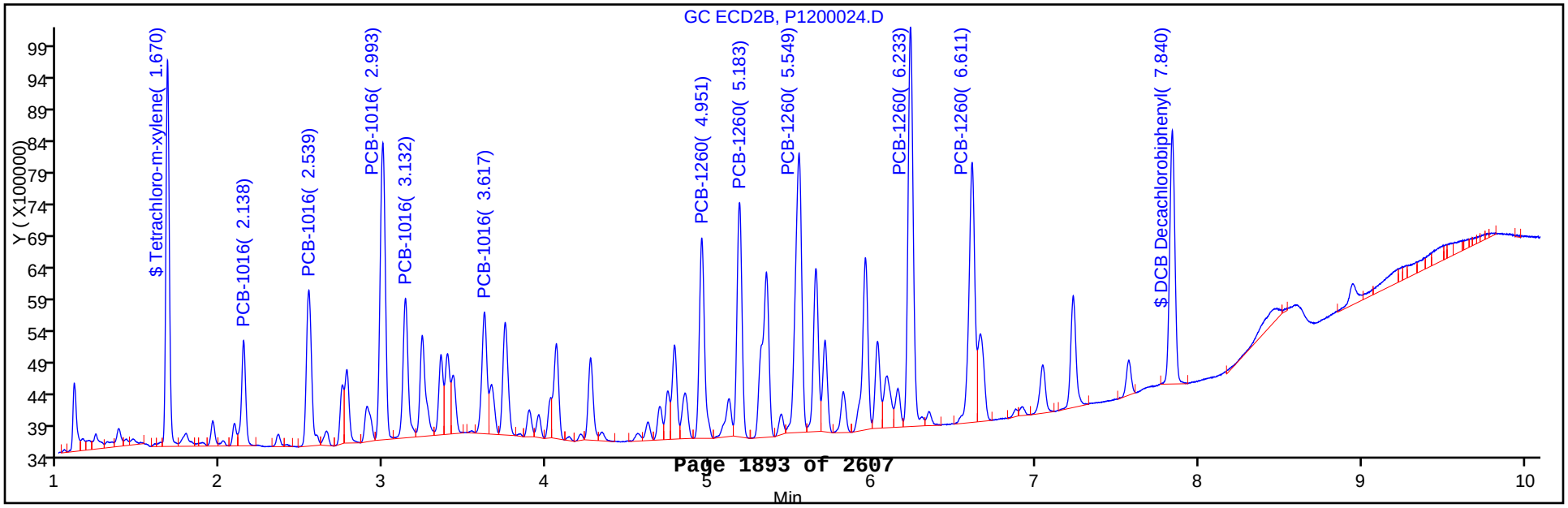
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200024.D

Injection Date:	08-Apr-2013 12:17:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS Lab Sample ID: 240-22488-23 MS

Matrix: Solid Lab File ID: P1200020.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.12(g) Date Analyzed: 04/08/2013 11:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	226		65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	216		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	66		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D		
Lims ID:	240-22488-G-23-C MS	Client ID:	
Inject. Date:	08-Apr-2013 11:19:45	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0018628-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	20
Lims Batch ID:	80903	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	08-Apr-2013 13:48:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.299	0.001	13249613	0.0135			
2	2	1.674	1.671	0.003	36819553	0.0138			
						RPD = 2.09			
3 PCB-1221									M
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									M
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									M
1	100	1.579	1.578	0.001	11112377	0.6865		100.0	M
1	2	1.870	1.868	0.002	20597456	0.6849	165.5- 215.5	185.4	
1	3	2.270	2.268	0.002	44237177	0.6914	356.7- 406.7	398.1	M
1	4	2.392	2.390	0.002	18602992	0.6885	144.0- 194.0	167.4	M
1	5	2.777	2.775	0.002	18386094	0.6508	153.1- 203.1	165.5	M
			Average of Peak Amounts =			0.6804			
2	6	2.141	2.138	0.003	28847381	0.6368		100.0	
2	7	2.541	2.538	0.003	59966167	0.6854	165.6- 225.6	207.9	
2	8	2.995	2.993	0.002	128905777	0.7087	366.1- 426.1	446.9	
2	9	3.135	3.132	0.003	45072688	0.5690	144.6- 204.6	156.2	
2	10	3.620	3.618	0.002	39512452	0.5997	112.9- 172.9	137.0	
			Average of Peak Amounts =			0.6399			
						RPD = 6.13			
7 PCB-1248									M
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									M
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									M
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									M
1	100	3.985	3.983	0.002	27796964	0.6376		100.0	M
1	2	4.271	4.270	0.001	55573167	0.6453	172.1- 222.1	199.9	M
1	3	4.550	4.550	0.000	55360319	0.6556	168.4- 218.4	199.2	M
1	4	5.250	5.248	0.002	78009343	0.6593	244.3- 294.3	280.6	M
1	5	5.533	5.530	0.003	37101533	0.6611	104.3- 154.3	133.5	M
			Average of Peak Amounts =			0.6518			
2	6	4.952	4.951	0.001	79024484	0.6085		100.0	
2	7	5.182	5.183	-0.001	73832328	0.5083	80.1- 140.1	93.4	
2	8	5.548	5.548	0.000	144928175	0.6270	146.6- 206.6	183.4	
2	9	6.232	6.233	-0.001	169347762	0.6301	174.1- 234.1	214.3	
2	10	6.610	6.612	-0.002	119103754	0.5951	121.8- 181.8	150.7	
			Average of Peak Amounts =			0.5938			
						RPD = 9.31			
11 PCB-1268									M
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.685	6.684	0.001	13517393	0.0133			
2	2	7.843	7.840	0.003	28783906	0.009730			
						RPD = 30.66			

QC Flag Legend

Review Flags
M - Manually Integrated

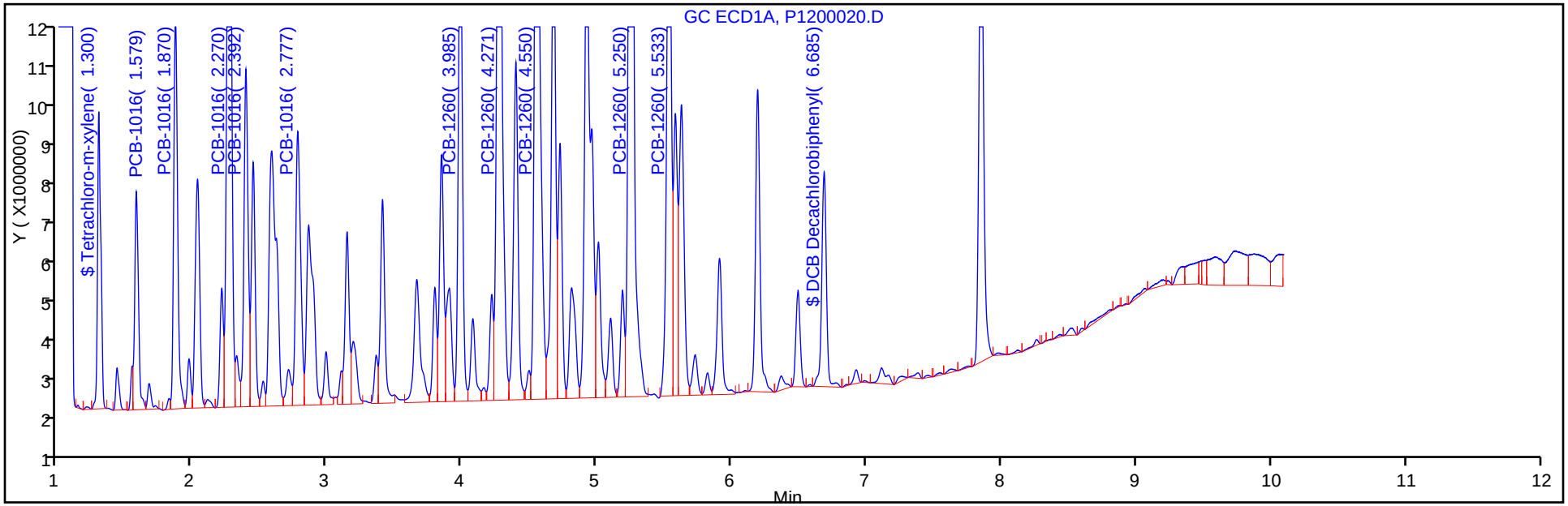
Report Date: 08-Apr-2013 13:50:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

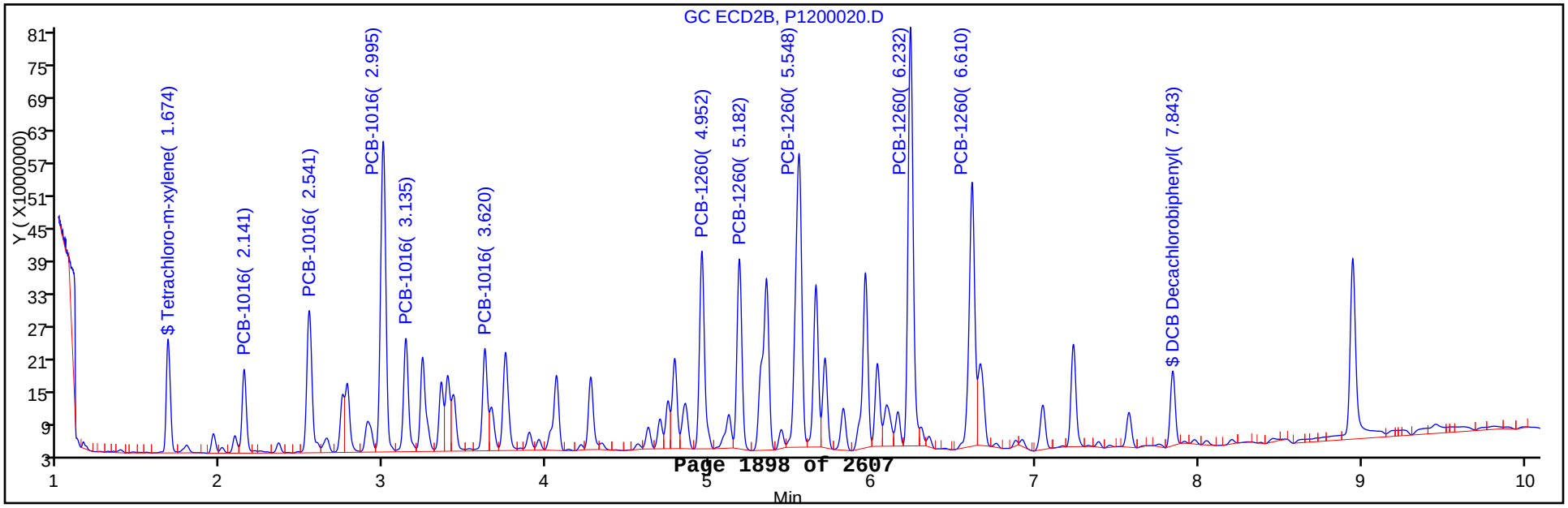
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D

Injection Date:	08-Apr-2013 11:19:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



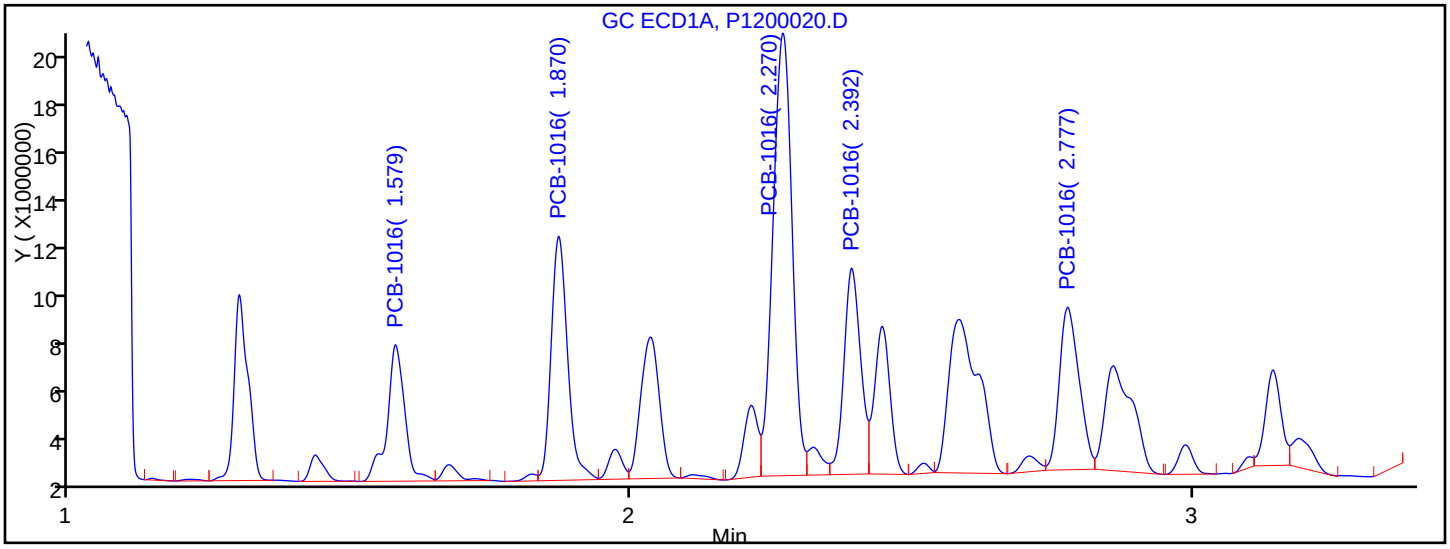
Report Date: 08-Apr-2013 13:50:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D

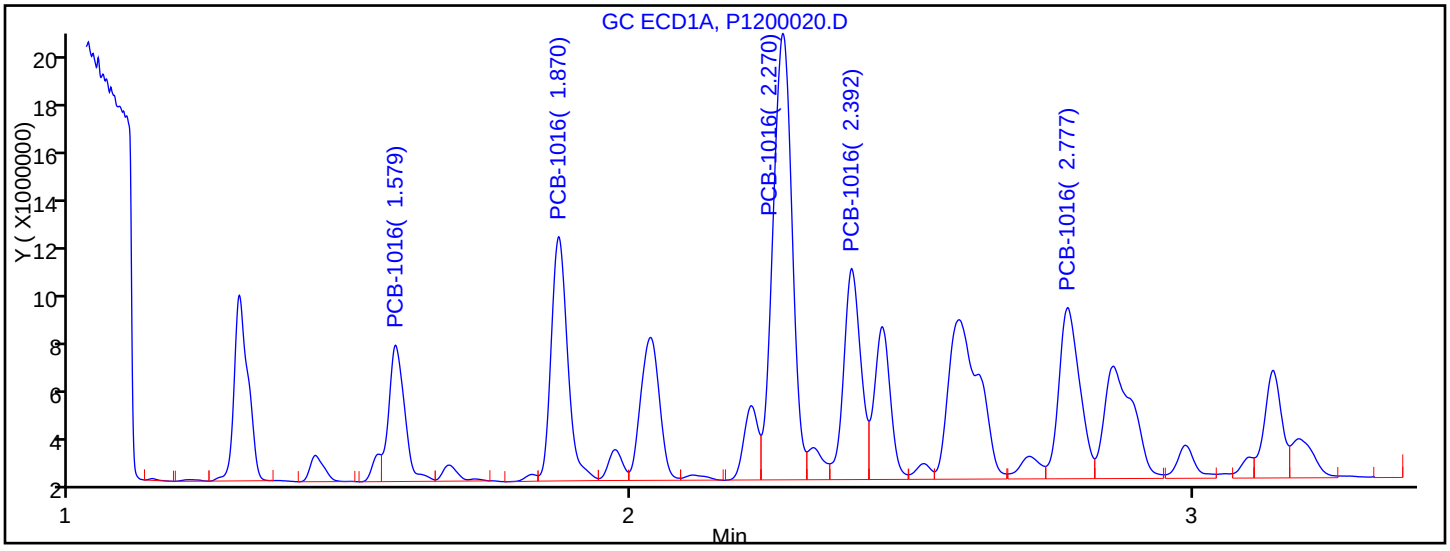
Injection Date:	08-Apr-2013 11:19:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.579	Response = 12338662	M
RT = 1.870	Response = 20597456	
RT = 2.270	Response = 43460277	M
RT = 2.392	Response = 17744489	M
RT = 2.777	Response = 16500475	M



Manual Integration Results

RT = 1.579	Response = 11112377	M
RT = 1.870	Response = 20597456	
RT = 2.270	Response = 44237177	M
RT = 2.392	Response = 18602992	M
RT = 2.777	Response = 18386094	M

Reviewer: hassl, 08-Apr-2013 13:48:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

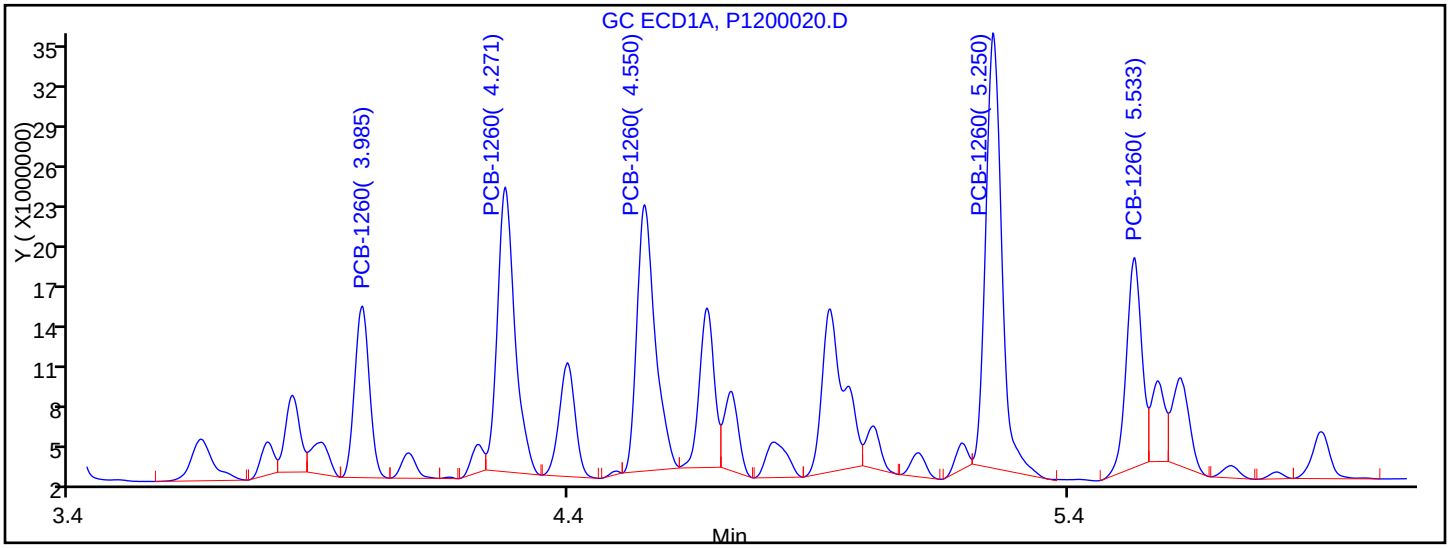
Report Date: 08-Apr-2013 13:50:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D

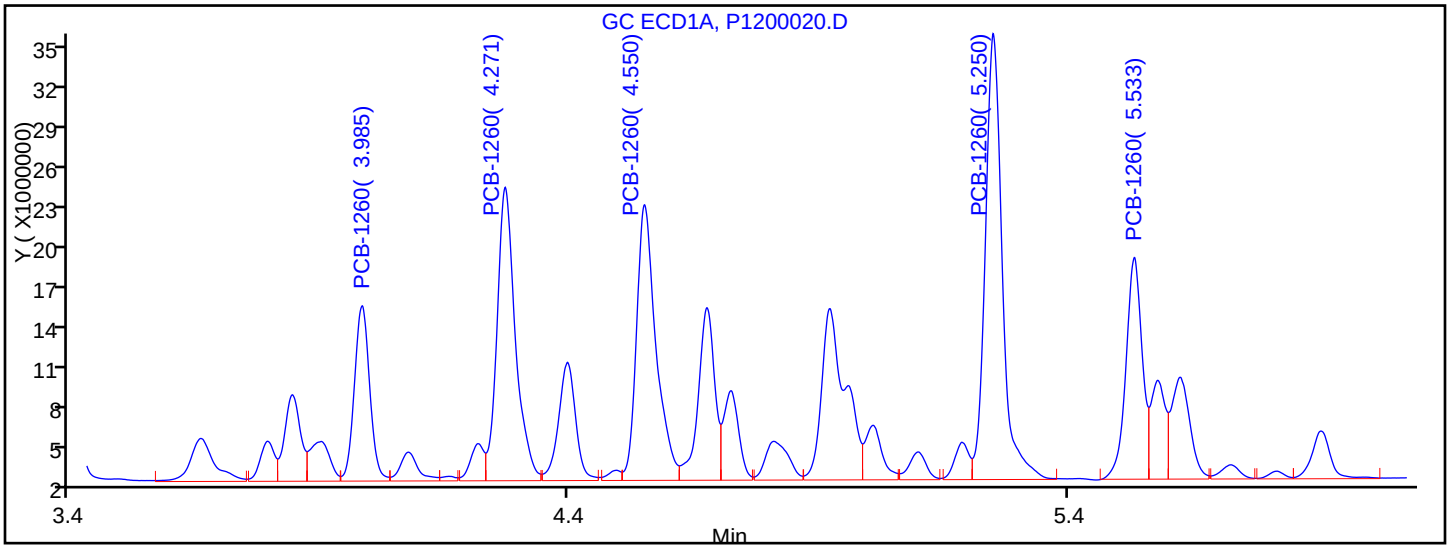
Injection Date:	08-Apr-2013 11:19:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.985	Response = 25952057	M
RT = 4.271	Response = 51125440	M
RT = 4.550	Response = 49936431	M
RT = 5.250	Response = 72082824	M
RT = 5.533	Response = 33298615	M



Manual Integration Results

RT = 3.985	Response = 27796964	M
RT = 4.271	Response = 55573167	M
RT = 4.550	Response = 55360319	M
RT = 5.250	Response = 78009343	M
RT = 5.533	Response = 37101533	M

Reviewer: hassl, 08-Apr-2013 13:48:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MS Lab Sample ID: 240-22488-23 MS

Matrix: Solid Lab File ID: P1200020.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.12(g) Date Analyzed: 04/08/2013 11:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		40-140
2051-24-3	DCB Decachlorobiphenyl	49	Q	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D
Lims ID: 240-22488-G-23-C MS Client ID:
Inject. Date: 08-Apr-2013 11:19:45 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0018628-020
Misc. Info.:
Operator: Instrument ID: A2HP12
Injection Vol: 1.0 uL ALS Bottle#: 20
Lims Batch ID: 80903 Lims Sample ID: 20
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m
Last Update: 08-Apr-2013 13:50:47 Calib Date: 01-Apr-2013 19:55:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 08-Apr-2013 13:48:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.300	1.299	0.001	13249613	0.0135			
2	2	1.674	1.671	0.003	36819553	0.0138			
						RPD = 2.09			
3 PCB-1221									M
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									M
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									M
1	100	1.579	1.578	0.001	11112377	0.6865		100.0	M
1	2	1.870	1.868	0.002	20597456	0.6849	165.5- 215.5	185.4	
1	3	2.270	2.268	0.002	44237177	0.6914	356.7- 406.7	398.1	M
1	4	2.392	2.390	0.002	18602992	0.6885	144.0- 194.0	167.4	M
1	5	2.777	2.775	0.002	18386094	0.6508	153.1- 203.1	165.5	M
			Average of Peak Amounts =			0.6804			
2	6	2.141	2.138	0.003	28847381	0.6368		100.0	
2	7	2.541	2.538	0.003	59966167	0.6854	165.6- 225.6	207.9	
2	8	2.995	2.993	0.002	128905777	0.7087	366.1- 426.1	446.9	
2	9	3.135	3.132	0.003	45072688	0.5690	144.6- 204.6	156.2	
2	10	3.620	3.618	0.002	39512452	0.5997	112.9- 172.9	137.0	
			Average of Peak Amounts =			0.6399			
						RPD = 6.13			
7 PCB-1248									M
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									M
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									M
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									M
1	100	3.985	3.983	0.002	27796964	0.6376		100.0	M
1	2	4.271	4.270	0.001	55573167	0.6453	172.1- 222.1	199.9	M
1	3	4.550	4.550	0.000	55360319	0.6556	168.4- 218.4	199.2	M
1	4	5.250	5.248	0.002	78009343	0.6593	244.3- 294.3	280.6	M
1	5	5.533	5.530	0.003	37101533	0.6611	104.3- 154.3	133.5	M
			Average of Peak Amounts =			0.6518			
2	6	4.952	4.951	0.001	79024484	0.6085		100.0	
2	7	5.182	5.183	-0.001	73832328	0.5083	80.1- 140.1	93.4	
2	8	5.548	5.548	0.000	144928175	0.6270	146.6- 206.6	183.4	
2	9	6.232	6.233	-0.001	169347762	0.6301	174.1- 234.1	214.3	
2	10	6.610	6.612	-0.002	119103754	0.5951	121.8- 181.8	150.7	
			Average of Peak Amounts =			0.5938			
						RPD = 9.31			
11 PCB-1268									M
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.685	6.684	0.001	13517393	0.0133			
2	2	7.843	7.840	0.003	28783906	0.009730			
						RPD = 30.66			

QC Flag Legend

Review Flags
M - Manually Integrated

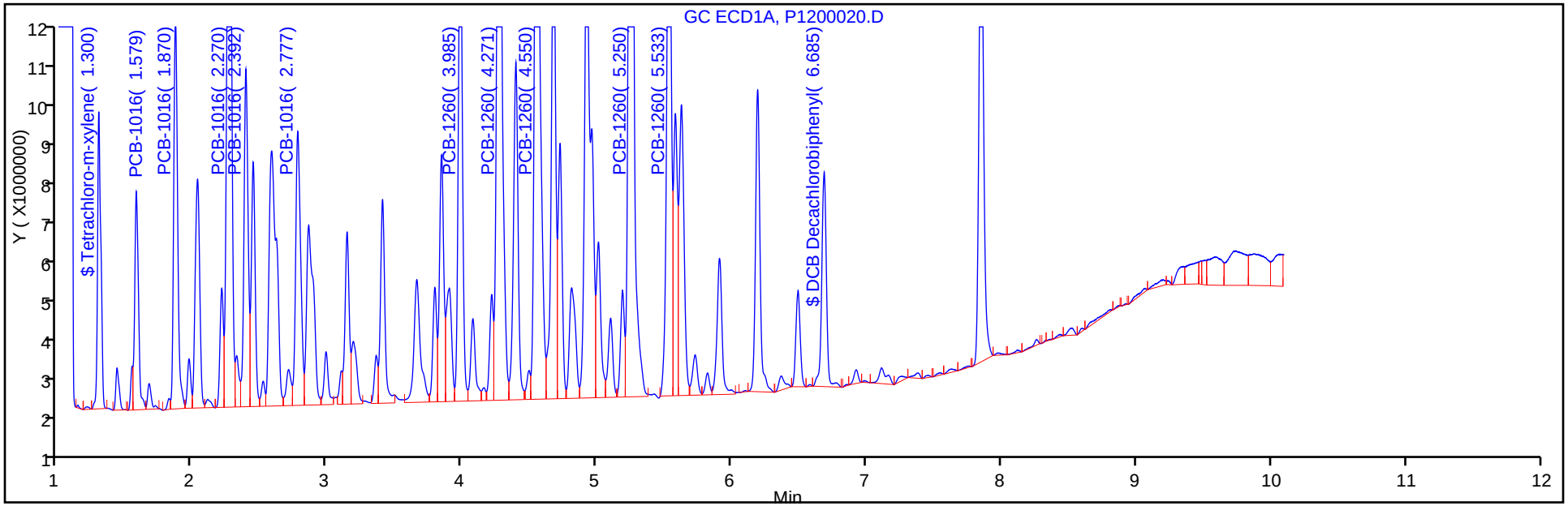
Report Date: 08-Apr-2013 13:50:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

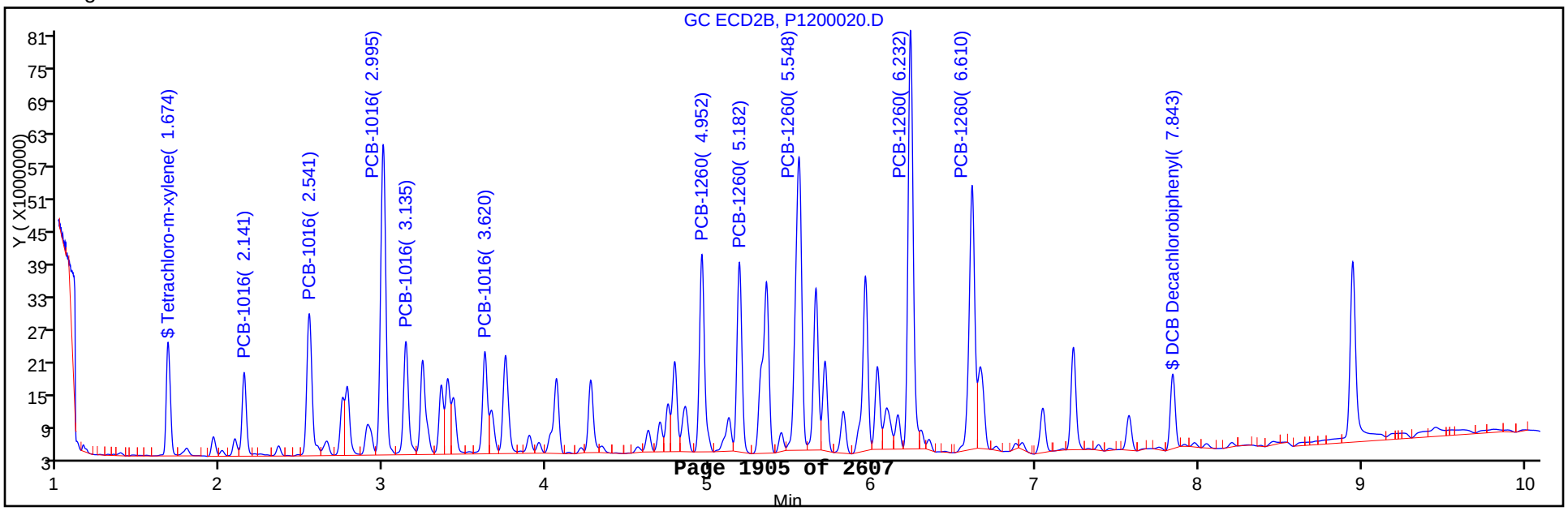
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200020.D

Injection Date:	08-Apr-2013 11:19:45	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD | Lab Sample ID: 240-22488-23 MSD

Matrix: Solid | Lab File ID: P1200021.D

Analysis Method: 8082/DOD | Date Collected: 03/25/2013 16:45

Extraction Method: 3540C | Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.06(g) | Date Analyzed: 04/08/2013 11:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	280		65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	270		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D		
Lims ID:	240-22488-G-23-D MSD	Client ID:	
Inject. Date:	08-Apr-2013 11:34:25	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0018628-021		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	21
Lims Batch ID:	80903	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:49:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.301	1.299	0.002	16636522	0.0170			
2	2	1.672	1.671	0.001	45693598	0.0171			
						RPD = 0.92			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									M
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									M
1	100	1.579	1.578	0.001	13419208	0.8291		100.0	
1	2	1.870	1.868	0.002	25690364	0.8542	165.5- 215.5	191.4	M
1	3	2.269	2.268	0.001	55237898	0.8633	356.7- 406.7	411.6	M
1	4	2.393	2.390	0.003	23178588	0.8578	144.0- 194.0	172.7	M
1	5	2.778	2.775	0.003	22524870	0.7972	153.1- 203.1	167.9	M
			Average of Peak Amounts =			0.8403			
2	6	2.140	2.138	0.002	33827566	0.7468		100.0	
2	7	2.540	2.538	0.002	70909189	0.8104	165.6- 225.6	209.6	
2	8	2.995	2.993	0.002	159167313	0.8750	366.1- 426.1	470.5	
2	9	3.133	3.132	0.001	54260148	0.6850	144.6- 204.6	160.4	
2	10	3.619	3.618	0.001	45032952	0.6835	112.9- 172.9	133.1	
			Average of Peak Amounts =			0.7601			
						RPD = 10.02			
7 PCB-1248									M
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									M
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									M
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									M
1	100	3.985	3.983	0.002	34302583	0.7868		100.0	M
1	2	4.271	4.270	0.001	68742761	0.7982	172.1- 222.1	200.4	M
1	3	4.552	4.550	0.002	69351664	0.8213	168.4- 218.4	202.2	M
1	4	5.251	5.248	0.003	97283441	0.8222	244.3- 294.3	283.6	M
1	5	5.533	5.530	0.003	46331598	0.8255	104.3- 154.3	135.1	M
			Average of Peak Amounts =			0.8108			
2	6	4.951	4.951	0.000	98127443	0.7556		100.0	
2	7	5.182	5.183	-0.001	101031714	0.6955	80.1- 140.1	103.0	
2	8	5.548	5.548	0.000	174518524	0.7550	146.6- 206.6	177.8	
2	9	6.233	6.233	0.000	208085334	0.7742	174.1- 234.1	212.1	
2	10	6.611	6.612	-0.001	143034204	0.7147	121.8- 181.8	145.8	
			Average of Peak Amounts =			0.7390			
						RPD = 9.26			
11 PCB-1268									M
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	14221232	0.0139			
2	2	7.842	7.840	0.002	36211617	0.0122			
						RPD = 13.00			

QC Flag Legend

Review Flags
M - Manually Integrated

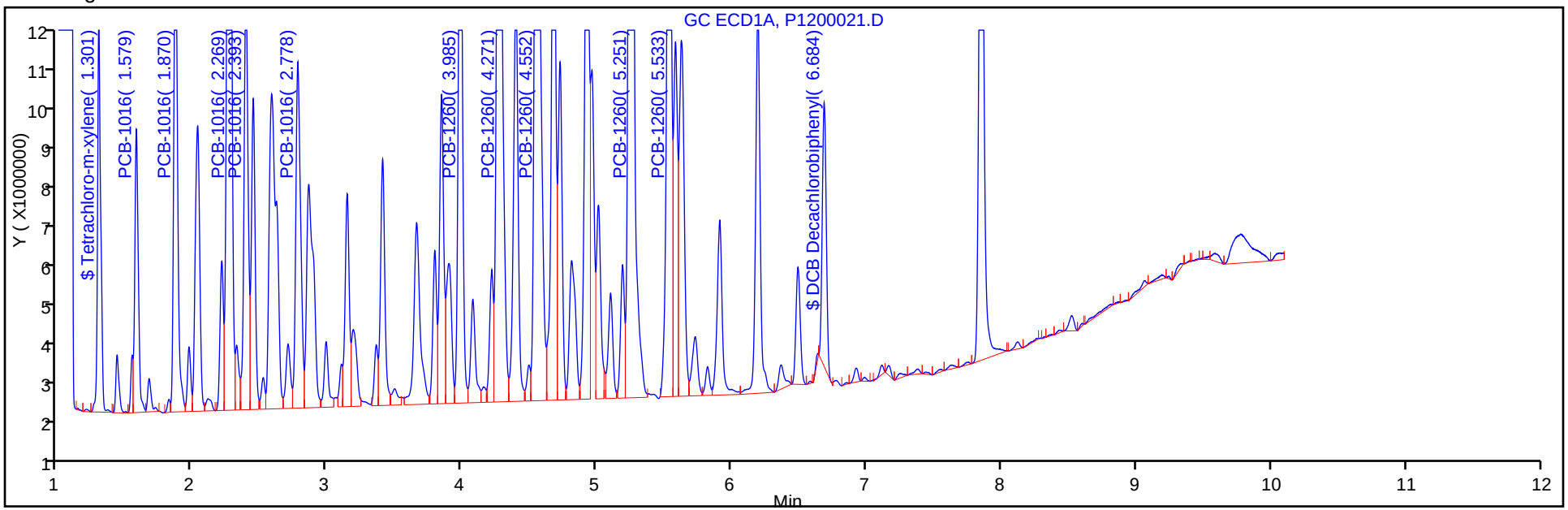
Report Date: 08-Apr-2013 13:50:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

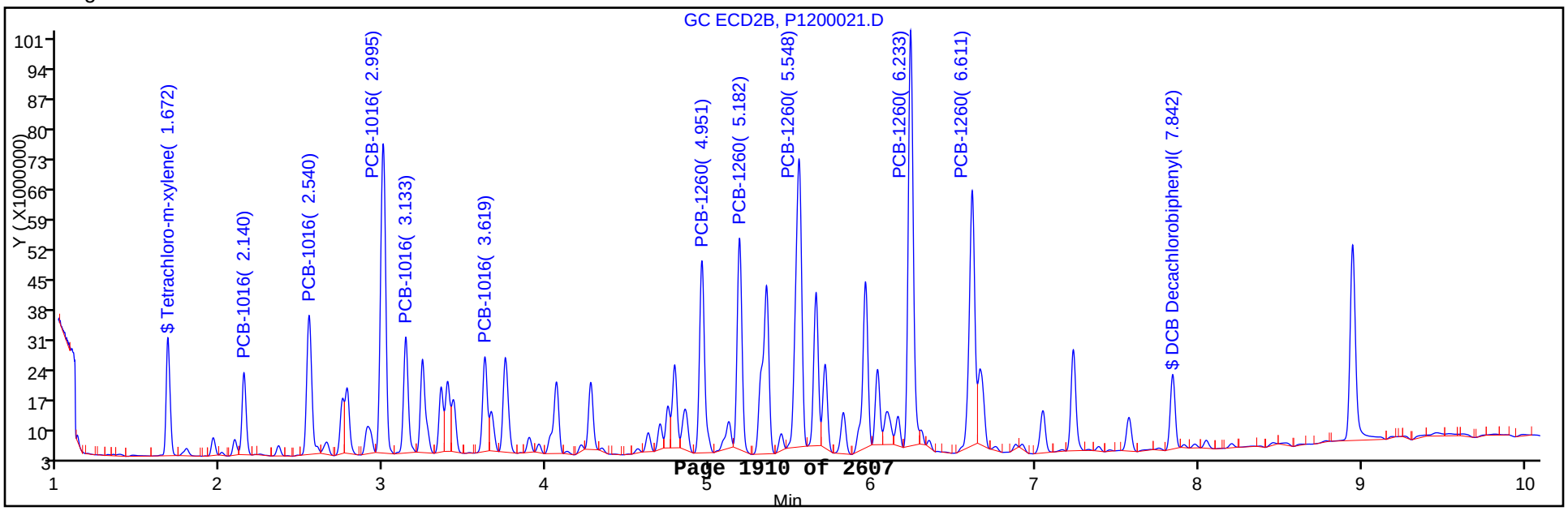
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D

Injection Date:	08-Apr-2013 11:34:25	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



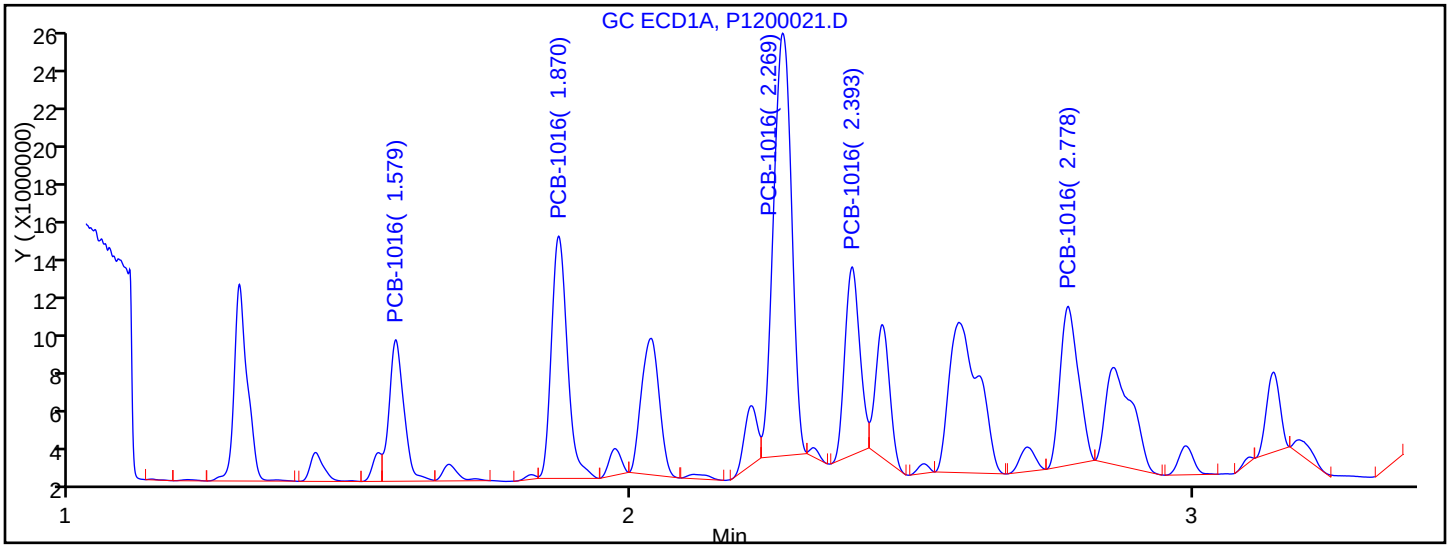
Report Date: 08-Apr-2013 13:50:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D

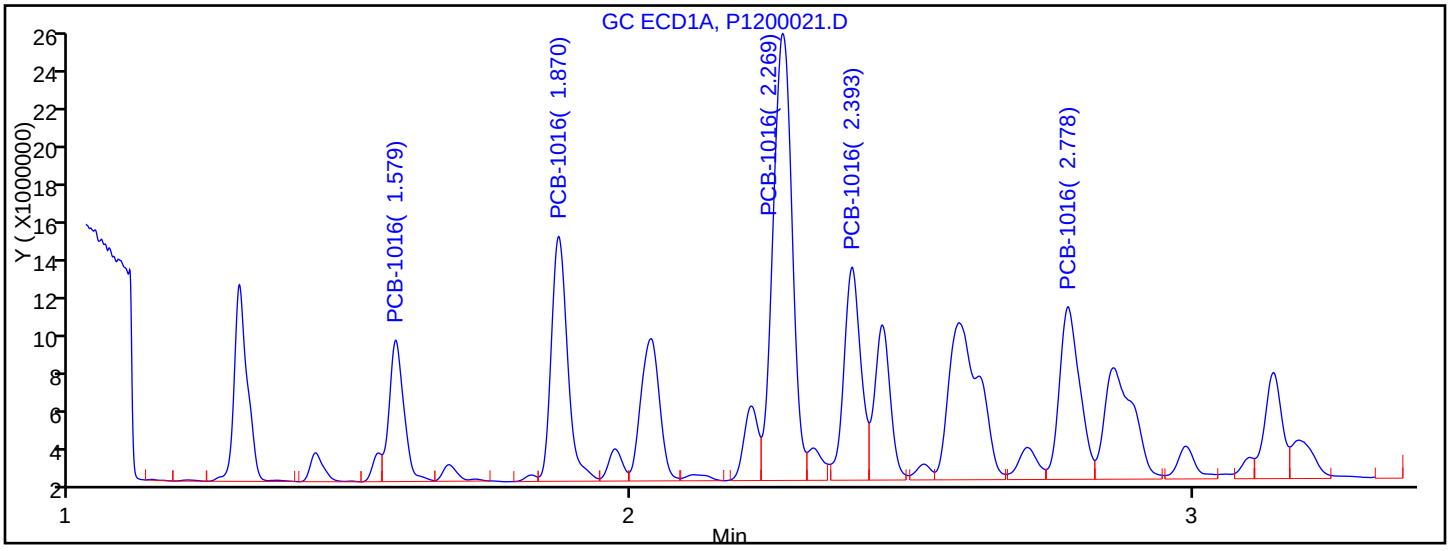
Injection Date:	08-Apr-2013 11:34:25	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.579	Response = 13419208	
RT = 1.870	Response = 24842388	M
RT = 2.269	Response = 49052878	M
RT = 2.393	Response = 18109988	M
RT = 2.778	Response = 18695512	M



Manual Integration Results

RT = 1.579	Response = 13419208	
RT = 1.870	Response = 25690364	M
RT = 2.269	Response = 55237898	M
RT = 2.393	Response = 23178588	M
RT = 2.778	Response = 22524870	M

Reviewer: hassl, 08-Apr-2013 13:49:19

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

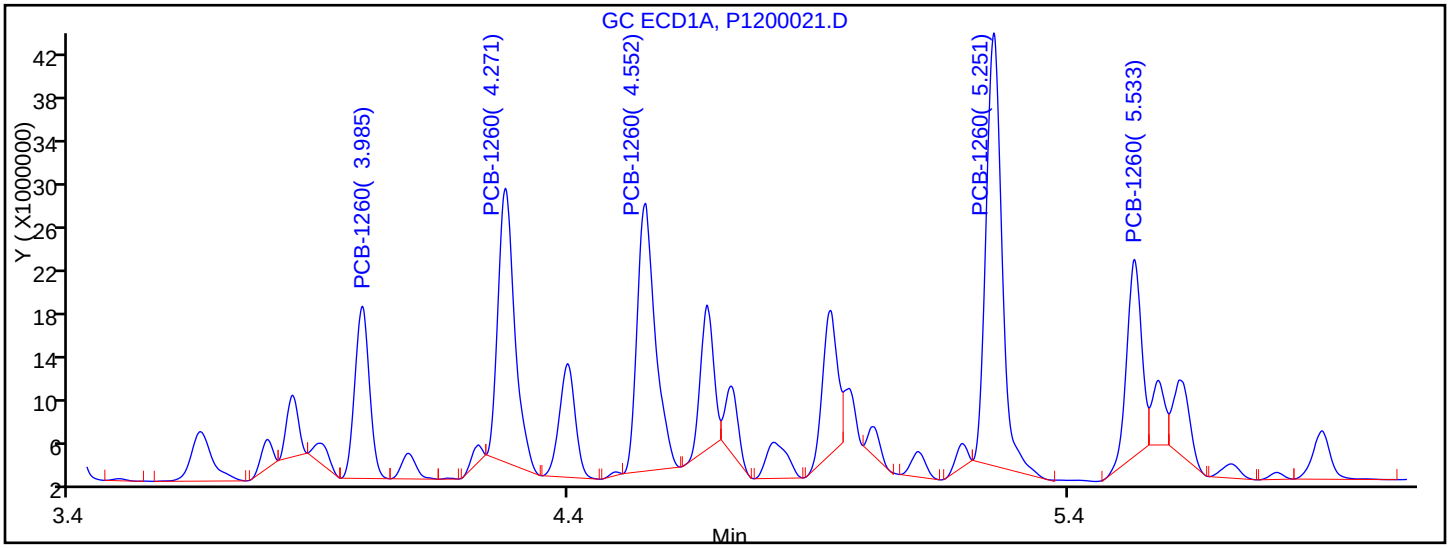
Report Date: 08-Apr-2013 13:50:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D

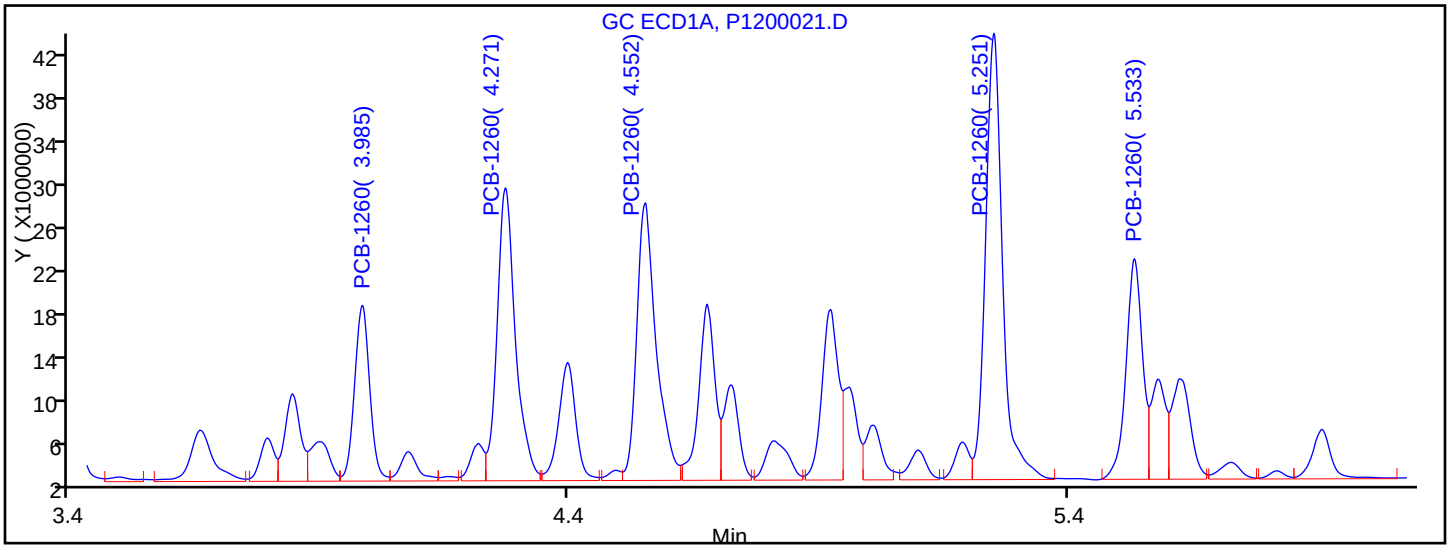
Injection Date:	08-Apr-2013 11:34:25	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.985	Response = 31980717	M
RT = 4.271	Response = 58456124	M
RT = 4.552	Response = 61877043	M
RT = 5.251	Response = 87960769	M
RT = 5.533	Response = 37217911	M



Manual Integration Results

RT = 3.985	Response = 34302583	M
RT = 4.271	Response = 68742761	M
RT = 4.552	Response = 69351664	M
RT = 5.251	Response = 97283441	M
RT = 5.533	Response = 46331598	M

Reviewer: hassl, 08-Apr-2013 13:49:19

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO MSD Lab Sample ID: 240-22488-23 MSD

Matrix: Solid Lab File ID: P1200021.D

Analysis Method: 8082/DOD Date Collected: 03/25/2013 16:45

Extraction Method: 3540C Date Extracted: 04/04/2013 09:20

Sample wt/vol: 30.06(g) Date Analyzed: 04/08/2013 11:34

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 80903 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		40-140
2051-24-3	DCB Decachlorobiphenyl	61		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D		
Lims ID:	240-22488-G-23-D MSD	Client ID:	
Inject. Date:	08-Apr-2013 11:34:25	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0018628-021		
Misc. Info.:			
Operator:		Instrument ID:	A2HP12
Injection Vol:	1.0 uL	ALS Bottle#:	21
Lims Batch ID:	80903	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP12\20130408-18628.b\PCB12.m		
Last Update:	08-Apr-2013 13:50:47	Calib Date:	01-Apr-2013 19:55:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP12\20130401-18420.b\P1200044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 08-Apr-2013 13:49:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.301	1.299	0.002	16636522	0.0170			
2	2	1.672	1.671	0.001	45693598	0.0171			
						RPD = 0.92			
3 PCB-1221									
1	2		1.435						
1	3		1.545						
1	4		1.577						
2	4		1.951						
2	5		2.084						
2	6		2.140						
5 PCB-1242									M
1	100		1.577						
1	2		1.868						
1	3		2.267						
1	4		2.391						
1	5		2.775						
2	6		2.139						
2	7		2.539						
2	8		2.994						
2	9		3.132						
2	10		3.618						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100		1.578						
1	2		1.870						
1	3		2.271						
1	4		2.393						
1	5		2.778						
2	6		2.141						
2	7		2.541						
2	8		2.996						
2	9		3.134						
2	10		3.747						
6 PCB-1016									M
1	100	1.579	1.578	0.001	13419208	0.8291		100.0	
1	2	1.870	1.868	0.002	25690364	0.8542	165.5- 215.5	191.4	M
1	3	2.269	2.268	0.001	55237898	0.8633	356.7- 406.7	411.6	M
1	4	2.393	2.390	0.003	23178588	0.8578	144.0- 194.0	172.7	M
1	5	2.778	2.775	0.003	22524870	0.7972	153.1- 203.1	167.9	M
			Average of Peak Amounts =			0.8403			
2	6	2.140	2.138	0.002	33827566	0.7468		100.0	
2	7	2.540	2.538	0.002	70909189	0.8104	165.6- 225.6	209.6	
2	8	2.995	2.993	0.002	159167313	0.8750	366.1- 426.1	470.5	
2	9	3.133	3.132	0.001	54260148	0.6850	144.6- 204.6	160.4	
2	10	3.619	3.618	0.001	45032952	0.6835	112.9- 172.9	133.1	
			Average of Peak Amounts =			0.7601			
						RPD = 10.02			
7 PCB-1248									M
1	86		1.869						
1	2		2.269						
1	3		2.778						
1	4		3.360						
1	5		3.796						
2	6		2.539						
2	7		2.994						
2	8		3.620						
2	9		4.064						
2	10		4.745						
8 PCB-1254									M
1	100		3.407						
1	2		3.795						
1	3		4.078						
1	4		4.270						
1	5		4.551						
2	6		4.270						
2	7		4.744						
2	8		4.990						
2	9		5.348						
2	10		5.550						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 PCB-1262									M
1	100		3.985						
1	2		4.274						
1	3		4.676						
1	4		5.250						
1	5		5.581						
2	6		5.183						
2	7		5.653						
2	8		5.957						
2	9		6.235						
2	10		6.611						
10 PCB-1260									M
1	100	3.985	3.983	0.002	34302583	0.7868		100.0	M
1	2	4.271	4.270	0.001	68742761	0.7982	172.1- 222.1	200.4	M
1	3	4.552	4.550	0.002	69351664	0.8213	168.4- 218.4	202.2	M
1	4	5.251	5.248	0.003	97283441	0.8222	244.3- 294.3	283.6	M
1	5	5.533	5.530	0.003	46331598	0.8255	104.3- 154.3	135.1	M
			Average of Peak Amounts =			0.8108			
2	6	4.951	4.951	0.000	98127443	0.7556		100.0	
2	7	5.182	5.183	-0.001	101031714	0.6955	80.1- 140.1	103.0	
2	8	5.548	5.548	0.000	174518524	0.7550	146.6- 206.6	177.8	
2	9	6.233	6.233	0.000	208085334	0.7742	174.1- 234.1	212.1	
2	10	6.611	6.612	-0.001	143034204	0.7147	121.8- 181.8	145.8	
			Average of Peak Amounts =			0.7390			
						RPD = 9.26			
11 PCB-1268									M
1	100		5.582						
1	2		5.619						
1	3		5.818						
1	4		6.192						
1	5		6.489						
2	6		6.610						
2	7		6.658						
2	8		6.920						
2	9		7.234						
2	10		7.575						
$ 12 DCB Decachlorobiphenyl									
1	100	6.684	6.684	0.000	14221232	0.0139			
2	2	7.842	7.840	0.002	36211617	0.0122			
						RPD = 13.00			

QC Flag Legend

Review Flags
M - Manually Integrated

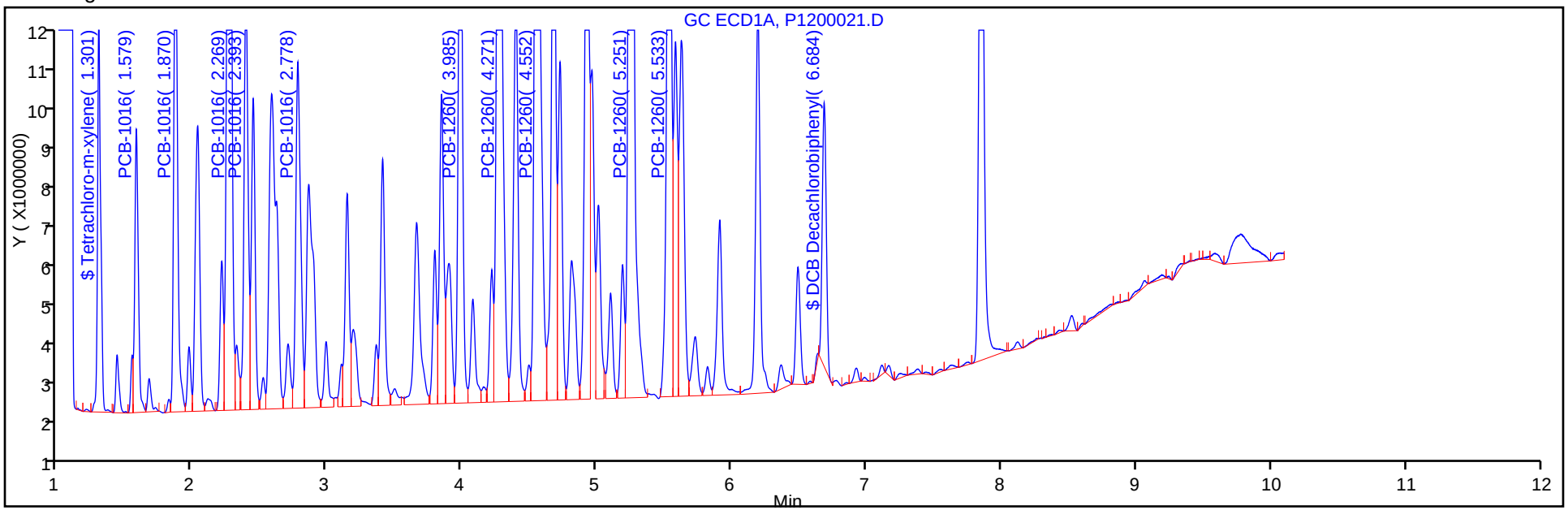
Report Date: 08-Apr-2013 13:50:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

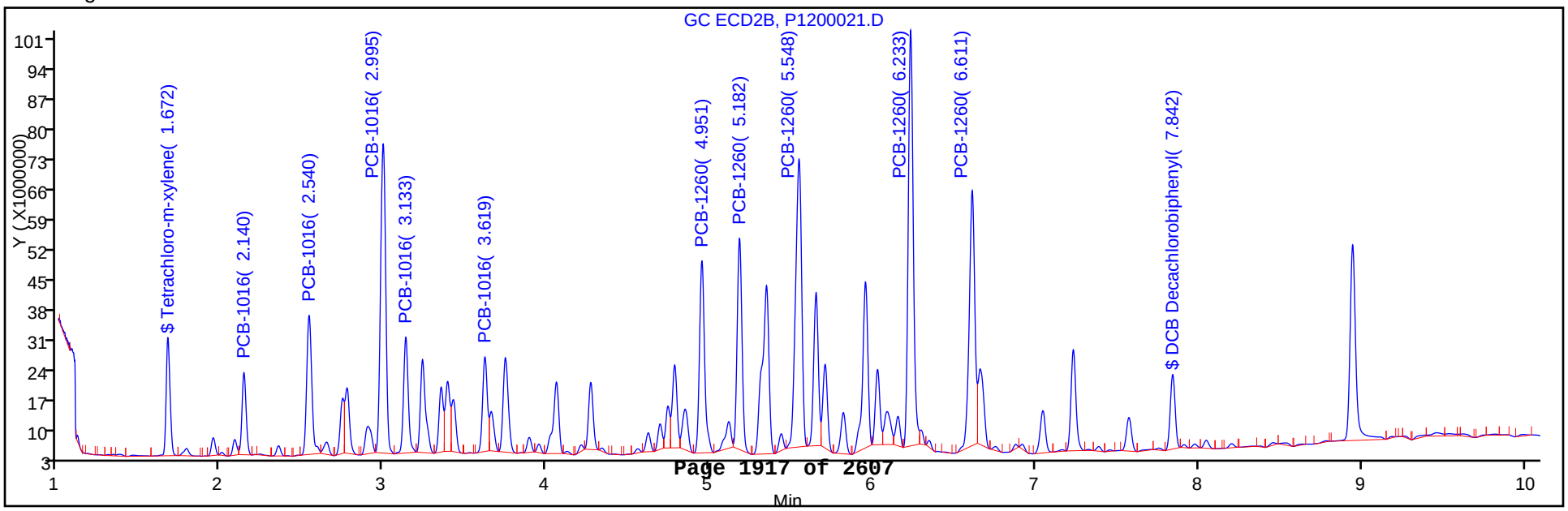
Data File: \\Ncchrom\ChromData\A2HP12\20130408-18628.b\P1200021.D

Injection Date:	08-Apr-2013 11:34:25	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP12
Lims Batch ID:	80903	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling:



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Start Date: 04/01/2013 10:09

Analysis Batch Number: 80043 End Date: 04/01/2013 21:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-80043/3 IC		04/01/2013 10:09	1	P1200003.D	CLP-1 0.53(mm)
STD005 240-80043/3 IC		04/01/2013 10:09	1	P1200003.D	CLP-2 0.53(mm)
STD01 240-80043/4 IC		04/01/2013 10:23	1	P1200004.D	CLP-1 0.53(mm)
STD01 240-80043/4 IC		04/01/2013 10:23	1	P1200004.D	CLP-2 0.53(mm)
STD02 240-80043/5 IC		04/01/2013 10:38	1	P1200005.D	CLP-1 0.53(mm)
STD02 240-80043/5 IC		04/01/2013 10:38	1	P1200005.D	CLP-2 0.53(mm)
STD05 240-80043/6 IC		04/01/2013 10:52	1	P1200006.D	CLP-1 0.53(mm)
STD05 240-80043/6 IC		04/01/2013 10:52	1	P1200006.D	CLP-2 0.53(mm)
STD1 240-80043/7 IC		04/01/2013 11:07	1	P1200007.D	CLP-1 0.53(mm)
STD1 240-80043/7 IC		04/01/2013 11:07	1	P1200007.D	CLP-2 0.53(mm)
STD2 240-80043/8 IC		04/01/2013 11:21	1	P1200008.D	CLP-1 0.53(mm)
STD2 240-80043/8 IC		04/01/2013 11:21	1	P1200008.D	CLP-2 0.53(mm)
STD005 240-80043/9 IC		04/01/2013 11:35	1	P1200009.D	CLP-1 0.53(mm)
STD005 240-80043/9 IC		04/01/2013 11:35	1	P1200009.D	CLP-2 0.53(mm)
STD01 240-80043/10 IC		04/01/2013 11:50	1	P1200010.D	CLP-1 0.53(mm)
STD01 240-80043/10 IC		04/01/2013 11:50	1	P1200010.D	CLP-2 0.53(mm)
STD02 240-80043/11 IC		04/01/2013 12:05	1	P1200011.D	CLP-1 0.53(mm)
STD02 240-80043/11 IC		04/01/2013 12:05	1	P1200011.D	CLP-2 0.53(mm)
STD05 240-80043/12 IC		04/01/2013 12:19	1	P1200012.D	CLP-1 0.53(mm)
STD05 240-80043/12 IC		04/01/2013 12:19	1	P1200012.D	CLP-2 0.53(mm)
STD1 240-80043/13 IC		04/01/2013 12:33	1	P1200013.D	CLP-1 0.53(mm)
STD1 240-80043/13 IC		04/01/2013 12:33	1	P1200013.D	CLP-2 0.53(mm)
STD2 240-80043/14 IC		04/01/2013 12:48	1	P1200014.D	CLP-1 0.53(mm)
STD2 240-80043/14 IC		04/01/2013 12:48	1	P1200014.D	CLP-2 0.53(mm)
STD005 240-80043/15 IC		04/01/2013 13:02	1	P1200015.D	CLP-1 0.53(mm)
STD005 240-80043/15 IC		04/01/2013 13:02	1	P1200015.D	CLP-2 0.53(mm)
STD01 240-80043/16 IC		04/01/2013 13:16	1	P1200016.D	CLP-1 0.53(mm)
STD01 240-80043/16 IC		04/01/2013 13:16	1	P1200016.D	CLP-2 0.53(mm)
STD02 240-80043/17 IC		04/01/2013 13:31	1	P1200017.D	CLP-1 0.53(mm)
STD02 240-80043/17 IC		04/01/2013 13:31	1	P1200017.D	CLP-2 0.53(mm)
STD05 240-80043/18 IC		04/01/2013 13:45	1	P1200018.D	CLP-1 0.53(mm)
STD05 240-80043/18 IC		04/01/2013 13:45	1	P1200018.D	CLP-2 0.53(mm)
STD1 240-80043/19 IC		04/01/2013 13:59	1	P1200019.D	CLP-1 0.53(mm)
STD1 240-80043/19 IC		04/01/2013 13:59	1	P1200019.D	CLP-2 0.53(mm)
STD2 240-80043/20 IC		04/01/2013 14:13	1	P1200020.D	CLP-1 0.53(mm)
STD2 240-80043/20 IC		04/01/2013 14:13	1	P1200020.D	CLP-2 0.53(mm)
STD005 240-80043/21 IC		04/01/2013 14:28	1	P1200021.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Start Date: 04/01/2013 10:09

Analysis Batch Number: 80043 End Date: 04/01/2013 21:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-80043/21 IC		04/01/2013 14:28	1	P1200021.D	CLP-2 0.53(mm)
STD01 240-80043/22 IC		04/01/2013 14:42	1	P1200022.D	CLP-1 0.53(mm)
STD01 240-80043/22 IC		04/01/2013 14:42	1	P1200022.D	CLP-2 0.53(mm)
STD02 240-80043/23 IC		04/01/2013 14:56	1	P1200023.D	CLP-1 0.53(mm)
STD02 240-80043/23 IC		04/01/2013 14:56	1	P1200023.D	CLP-2 0.53(mm)
STD05 240-80043/24 IC		04/01/2013 15:11	1	P1200024.D	CLP-1 0.53(mm)
STD05 240-80043/24 IC		04/01/2013 15:11	1	P1200024.D	CLP-2 0.53(mm)
STD1 240-80043/25 IC		04/01/2013 15:25	1	P1200025.D	CLP-1 0.53(mm)
STD1 240-80043/25 IC		04/01/2013 15:25	1	P1200025.D	CLP-2 0.53(mm)
STD2 240-80043/26 IC		04/01/2013 15:39	1	P1200026.D	CLP-1 0.53(mm)
STD2 240-80043/26 IC		04/01/2013 15:39	1	P1200026.D	CLP-2 0.53(mm)
STD005 240-80043/27 IC		04/01/2013 15:53	1	P1200027.D	CLP-1 0.53(mm)
STD005 240-80043/27 IC		04/01/2013 15:53	1	P1200027.D	CLP-2 0.53(mm)
STD01 240-80043/28 IC		04/01/2013 16:08	1	P1200028.D	CLP-1 0.53(mm)
STD01 240-80043/28 IC		04/01/2013 16:08	1	P1200028.D	CLP-2 0.53(mm)
STD02 240-80043/29 IC		04/01/2013 16:22	1	P1200029.D	CLP-1 0.53(mm)
STD02 240-80043/29 IC		04/01/2013 16:22	1	P1200029.D	CLP-2 0.53(mm)
STD05 240-80043/30 ICRT		04/01/2013 16:36	1	P1200030.D	CLP-1 0.53(mm)
STD05 240-80043/30 ICRT		04/01/2013 16:36	1	P1200030.D	CLP-2 0.53(mm)
STD1 240-80043/31 IC		04/01/2013 16:50	1	P1200031.D	CLP-1 0.53(mm)
STD1 240-80043/31 IC		04/01/2013 16:50	1	P1200031.D	CLP-2 0.53(mm)
STD2 240-80043/32 IC		04/01/2013 17:05	1	P1200032.D	CLP-1 0.53(mm)
STD2 240-80043/32 IC		04/01/2013 17:05	1	P1200032.D	CLP-2 0.53(mm)
STD005 240-80043/33 IC		04/01/2013 17:19	1		CLP-1 0.53(mm)
STD005 240-80043/33 IC		04/01/2013 17:19	1		CLP-2 0.53(mm)
STD01 240-80043/34 IC		04/01/2013 17:33	1		CLP-1 0.53(mm)
STD01 240-80043/34 IC		04/01/2013 17:33	1		CLP-2 0.53(mm)
STD02 240-80043/35 IC		04/01/2013 17:47	1		CLP-1 0.53(mm)
STD02 240-80043/35 IC		04/01/2013 17:47	1		CLP-2 0.53(mm)
STD05 240-80043/36 IC		04/01/2013 18:01	1		CLP-1 0.53(mm)
STD05 240-80043/36 IC		04/01/2013 18:01	1		CLP-2 0.53(mm)
STD1 240-80043/37 IC		04/01/2013 18:15	1		CLP-1 0.53(mm)
STD1 240-80043/37 IC		04/01/2013 18:15	1		CLP-2 0.53(mm)
STD2 240-80043/38 IC		04/01/2013 18:30	1		CLP-1 0.53(mm)
STD2 240-80043/38 IC		04/01/2013 18:30	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Start Date: 04/01/2013 10:09

Analysis Batch Number: 80043 End Date: 04/01/2013 21:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-80043/39 IC		04/01/2013 18:44	1		CLP-1 0.53(mm)
STD005 240-80043/39 IC		04/01/2013 18:44	1		CLP-2 0.53(mm)
STD01 240-80043/40 IC		04/01/2013 18:58	1		CLP-1 0.53(mm)
STD01 240-80043/40 IC		04/01/2013 18:58	1		CLP-2 0.53(mm)
STD02 240-80043/41 IC		04/01/2013 19:12	1		CLP-1 0.53(mm)
STD02 240-80043/41 IC		04/01/2013 19:12	1		CLP-2 0.53(mm)
STD05 240-80043/42 IC		04/01/2013 19:26	1		CLP-1 0.53(mm)
STD05 240-80043/42 IC		04/01/2013 19:26	1		CLP-2 0.53(mm)
STD1 240-80043/43 IC		04/01/2013 19:41	1		CLP-1 0.53(mm)
STD1 240-80043/43 IC		04/01/2013 19:41	1		CLP-2 0.53(mm)
STD2 240-80043/44 IC		04/01/2013 19:55	1		CLP-1 0.53(mm)
STD2 240-80043/44 IC		04/01/2013 19:55	1		CLP-2 0.53(mm)
ICV 240-80043/45		04/01/2013 20:09	1	P1200045.D	CLP-1 0.53(mm)
ICV 240-80043/45		04/01/2013 20:09	1	P1200045.D	CLP-2 0.53(mm)
ICV 240-80043/46		04/01/2013 20:23	1	P1200046.D	CLP-1 0.53(mm)
ICV 240-80043/46		04/01/2013 20:23	1	P1200046.D	CLP-2 0.53(mm)
ICV 240-80043/47		04/01/2013 20:38	1	P1200047.D	CLP-1 0.53(mm)
ICV 240-80043/47		04/01/2013 20:38	1	P1200047.D	CLP-2 0.53(mm)
ICV 240-80043/48		04/01/2013 20:52	1	P1200048.D	CLP-1 0.53(mm)
ICV 240-80043/48		04/01/2013 20:52	1	P1200048.D	CLP-2 0.53(mm)
ICV 240-80043/49		04/01/2013 21:06	1	P1200049.D	CLP-1 0.53(mm)
ICV 240-80043/49		04/01/2013 21:06	1	P1200049.D	CLP-2 0.53(mm)
ICV 240-80043/50		04/01/2013 21:20	1	P1200050.D	CLP-1 0.53(mm)
ICV 240-80043/50		04/01/2013 21:20	1	P1200050.D	CLP-2 0.53(mm)
ICV 240-80043/51		04/01/2013 21:35	1		CLP-1 0.53(mm)
ICV 240-80043/51		04/01/2013 21:35	1		CLP-2 0.53(mm)
ICV 240-80043/52		04/01/2013 21:49	1		CLP-1 0.53(mm)
ICV 240-80043/52		04/01/2013 21:49	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: A2HP12 Start Date: 04/08/2013 07:14

Analysis Batch Number: 80903 End Date: 04/08/2013 12:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-80903/3 CCVRT		04/08/2013 07:14	1	P1200003.D	CLP-1 0.53(mm)
CCV 240-80903/3 CCVRT		04/08/2013 07:14	1	P1200003.D	CLP-2 0.53(mm)
MRL 240-80903/10		04/08/2013 08:56	1	P1200010.D	CLP-1 0.53(mm)
MRL 240-80903/10		04/08/2013 08:56	1	P1200010.D	CLP-2 0.53(mm)
ZZZZZ		04/08/2013 09:10	1		CLP-1 0.53(mm)
ZZZZZ		04/08/2013 09:10	1		CLP-2 0.53(mm)
ZZZZZ		04/08/2013 09:24	1		CLP-1 0.53(mm)
ZZZZZ		04/08/2013 09:24	1		CLP-2 0.53(mm)
240-22488-5	079SB-0130M-0001-SO	04/08/2013 09:39	1	P1200013.D	CLP-1 0.53(mm)
240-22488-5	079SB-0130M-0001-SO	04/08/2013 09:39	1	P1200013.D	CLP-2 0.53(mm)
240-22488-7	079SB-0132M-0001-SO	04/08/2013 09:53	1	P1200014.D	CLP-1 0.53(mm)
240-22488-7	079SB-0132M-0001-SO	04/08/2013 09:53	1	P1200014.D	CLP-2 0.53(mm)
240-22488-11	079SB-0136M-0001-SO	04/08/2013 10:07	1	P1200015.D	CLP-1 0.53(mm)
240-22488-11	079SB-0136M-0001-SO	04/08/2013 10:07	1	P1200015.D	CLP-2 0.53(mm)
240-22488-18	079SB-0144M-0001-SO	04/08/2013 10:22	1	P1200016.D	CLP-1 0.53(mm)
240-22488-18	079SB-0144M-0001-SO	04/08/2013 10:22	1	P1200016.D	CLP-2 0.53(mm)
MB 240-80543/17-A		04/08/2013 10:36	1	P1200017.D	CLP-1 0.53(mm)
MB 240-80543/17-A		04/08/2013 10:36	1	P1200017.D	CLP-2 0.53(mm)
CCV 240-80903/18		04/08/2013 10:50	1	P1200018.D	CLP-1 0.53(mm)
CCV 240-80903/18		04/08/2013 10:50	1	P1200018.D	CLP-2 0.53(mm)
240-22488-23	079SS-0053M-0001-SO	04/08/2013 11:05	1	P1200019.D	CLP-1 0.53(mm)
240-22488-23	079SS-0053M-0001-SO	04/08/2013 11:05	1	P1200019.D	CLP-2 0.53(mm)
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 11:19	1	P1200020.D	CLP-1 0.53(mm)
240-22488-23 MS	079SS-0053M-0001-SO MS	04/08/2013 11:19	1	P1200020.D	CLP-2 0.53(mm)
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 11:34	1	P1200021.D	CLP-1 0.53(mm)
240-22488-23 MSD	079SS-0053M-0001-SO MSD	04/08/2013 11:34	1	P1200021.D	CLP-2 0.53(mm)
LCS 240-80543/18-A		04/08/2013 11:48	1	P1200022.D	CLP-1 0.53(mm)
LCS 240-80543/18-A		04/08/2013 11:48	1	P1200022.D	CLP-2 0.53(mm)
CCV 240-80903/23		04/08/2013 12:03	1	P1200023.D	CLP-1 0.53(mm)
CCV 240-80903/23		04/08/2013 12:03	1	P1200023.D	CLP-2 0.53(mm)
MRL 240-80903/24		04/08/2013 12:17	1	P1200024.D	CLP-1 0.53(mm)
MRL 240-80903/24		04/08/2013 12:17	1	P1200024.D	CLP-2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80543 Batch Start Date: 04/04/13 14:30 Batch Analyst: Shabani, Jawad

Batch Method: 3540C Batch End Date: 04/05/13 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00007	EX2/.2SURRW 00023	AnalysisComment	
240-22488-G-5-A	079SB-0130M-0001 -SO	3540C, 8082/DOD	T	30.28 g	10 mL		1 mL	assoc w/80550	
240-22488-G-7-A	079SB-0132M-0001 -SO	3540C, 8082/DOD	T	30.47 g	10 mL		1 mL	assoc w/80550	
240-22488-G-11-A	079SB-0136M-0001 -SO	3540C, 8082/DOD	T	30.06 g	10 mL		1 mL	assoc w/80550	
240-22488-G-18-A	079SB-0144M-0001 -SO	3540C, 8082/DOD	T	30.20 g	10 mL		1 mL	assoc w/80550	
240-22488-G-23-A	079SS-0053M-0001 -SO	3540C, 8082/DOD	T	29.92 g	10 mL		1 mL	assoc w/80550	
240-22488-G-23-A MS	079SS-0053M-0001 -SO	3540C, 8082/DOD	T	30.12 g	10 mL	1 mL	1 mL		
240-22488-G-23-A MSD	079SS-0053M-0001 -SO	3540C, 8082/DOD	T	30.06 g	10 mL	1 mL	1 mL		
MB 240-80543/17		3540C, 8082/DOD		30.00 g	10 mL		1 mL		
LCS 240-80543/18		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Balance ID	B036
Exchange Solvent Lot #	804965
Na2SO4 Lot Number	857437
Prep Solvent Lot #	908883

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 8330 Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0003783-049-1.d

Lab ID: LCS 320-13711/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	0.902	90	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab File ID: 320-0003783-048-1.d Lab Sample ID: MB 320-13711/1-A

Matrix: Solid Date Extracted: 04/05/2013 11:15

Instrument ID: PDA1 Date Analyzed: 04/10/2013 06:12

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-13711/2-A	320-0003783-049-1.d	04/10/2013 06:30
079SB-0130M-0001-SO	240-22488-5	320-0003783-052-1.d	04/10/2013 07:23
079SB-0132M-0001-SO	240-22488-7	320-0003783-053-1.d	04/10/2013 07:41
079SB-0136M-0001-SO	240-22488-11	320-0003783-054-1.d	04/10/2013 07:59
079SB-0144M-0001-SO	240-22488-18	320-0003783-055-1.d	04/10/2013 08:17
079SS-0053M-0001-SO	240-22488-23	320-0003783-057-1.d	04/10/2013 08:52

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab File ID: 320-0003819-011-1.d Lab Sample ID: MB 320-13711/1-A

Matrix: Solid Date Extracted: 04/05/2013 11:15

Instrument ID: PDA1 Date Analyzed: 04/10/2013 20:07

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
079SS-0053M-0001-SO	240-22488-23	320-0003819-012-1.d	04/10/2013 20:27

FORM IV 8330 Modified

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO Lab Sample ID: 240-22488-5

Matrix: Solid Lab File ID: 320-0003783-052-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 17:35

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.02(g) Date Analyzed: 04/10/2013 07:23

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-052-1.d		
Lims ID:	240-22488-F-5-D	Client ID:	079SB-0130M-0001-SO
Inject. Date:	10-Apr-2013 07:23:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003783-052 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	52
Detector:	GC 320-0003783-052-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:12:01	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:12:43

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

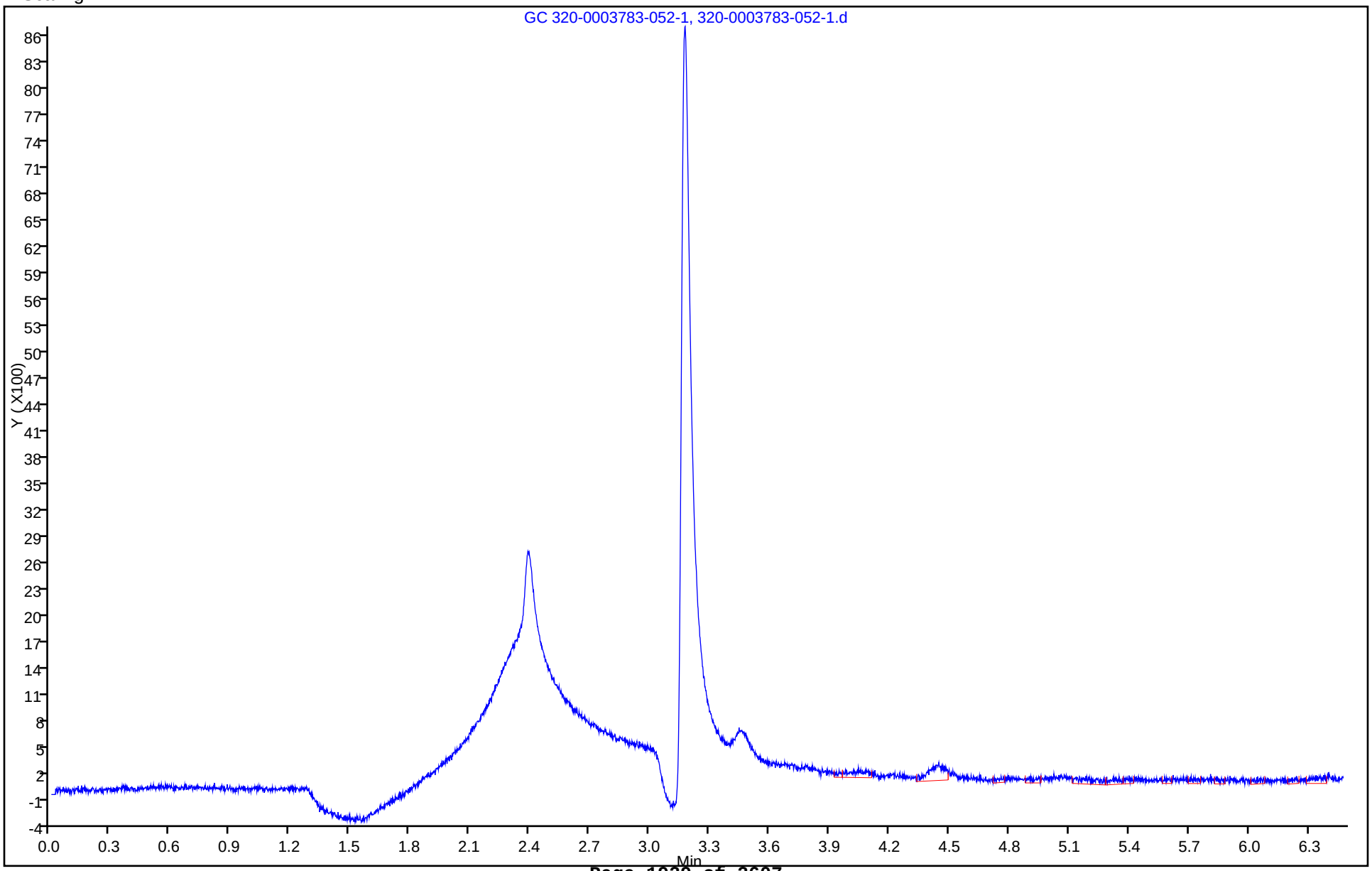
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TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-052-1.d

Injection Date:	10-Apr-2013 07:23:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	52
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: 320-0003783-053-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 16:52

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.01(g) Date Analyzed: 04/10/2013 07:41

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-053-1.d		
Lims ID:	240-22488-F-7-A	Client ID:	079SB-0132M-0001-SO
Inject. Date:	10-Apr-2013 07:41:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003783-053 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	53
Detector:	GC 320-0003783-053-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:12:01	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:12:55

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

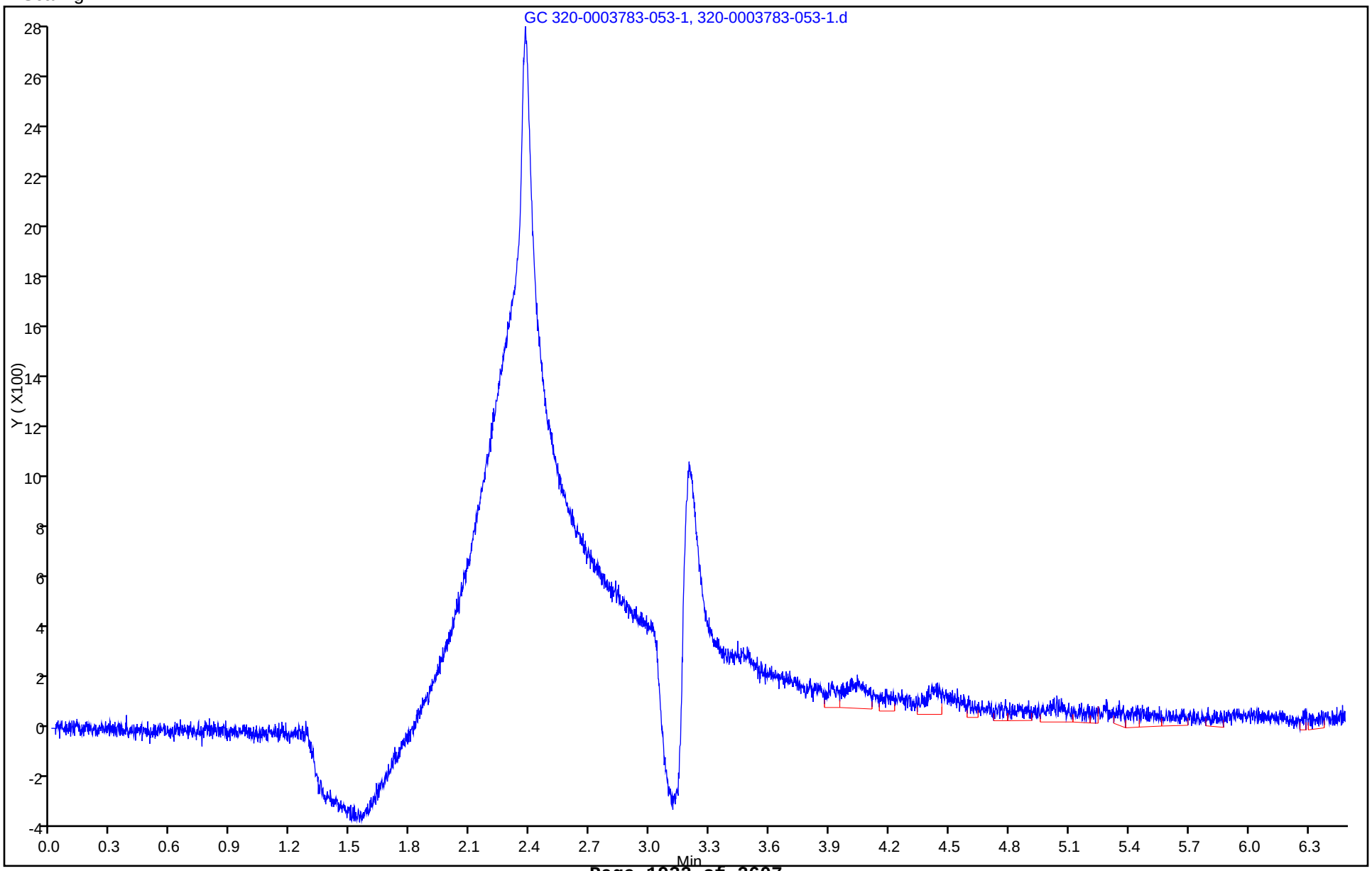
Report Date: 10-Apr-2013 11:12:55 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-053-1.d

Injection Date:	10-Apr-2013 07:41:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	53
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: 320-0003783-054-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 16:31

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.09(g) Date Analyzed: 04/10/2013 07:59

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.038	U	0.24	0.038	0.019

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-054-1.d		
Lims ID:	240-22488-F-11-B	Client ID:	079SB-0136M-0001-SO
Inject. Date:	10-Apr-2013 07:59:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003783-054 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	54
Detector:	GC 320-0003783-054-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:12:01	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:13:05

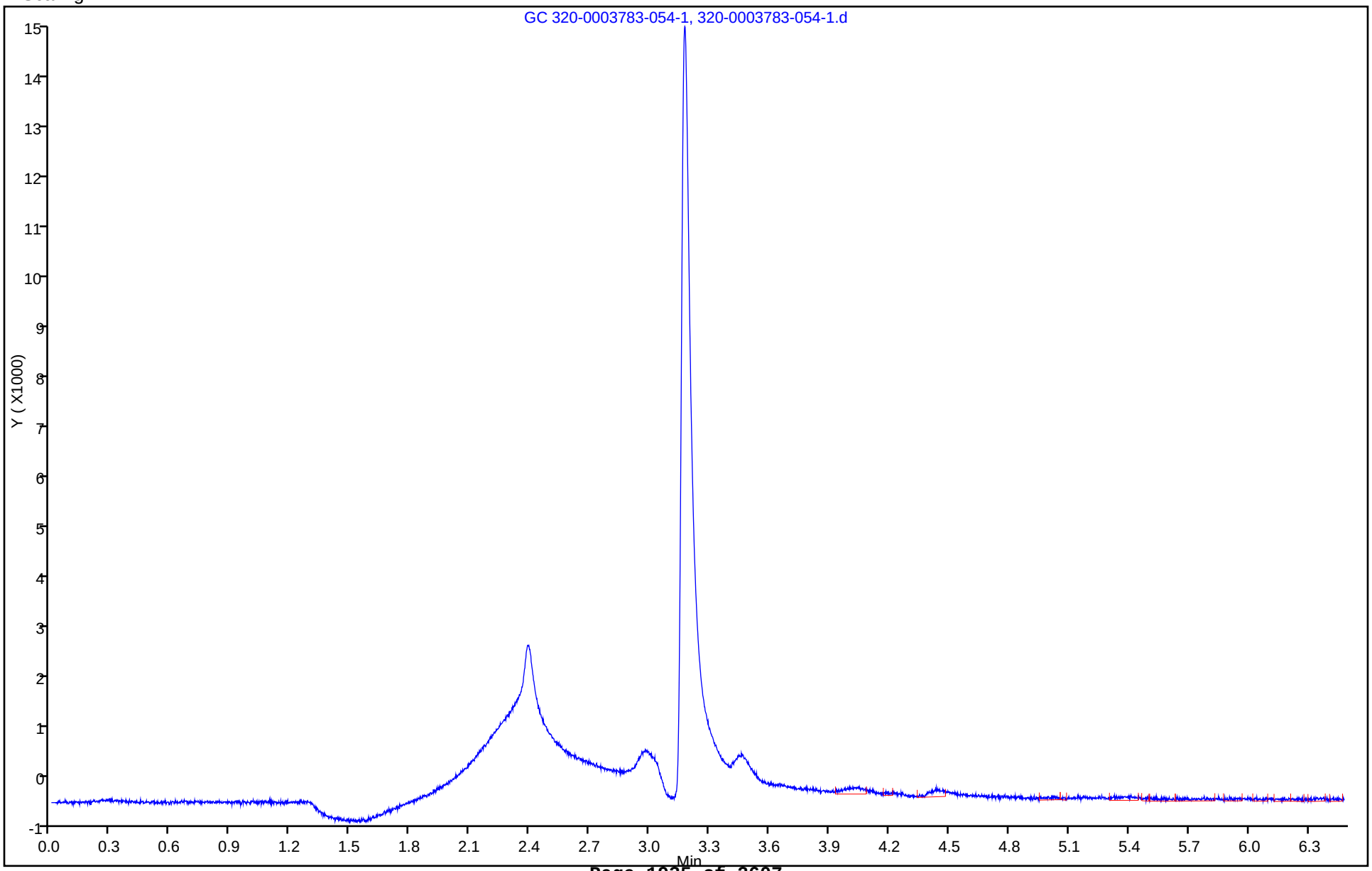
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Report Date: 10-Apr-2013 11:13:05 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-054-1.d		
Injection Date:	10-Apr-2013 07:59:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	54
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Matrix: Solid Lab File ID: 320-0003783-055-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 14:37

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.05(g) Date Analyzed: 04/10/2013 08:17

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.24	0.039	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-055-1.d		
Lims ID:	240-22488-F-18-B	Client ID:	079SB-0144M-0001-SO
Inject. Date:	10-Apr-2013 08:17:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003783-055 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	55
Detector:	GC 320-0003783-055-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:12:01	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:13:17

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

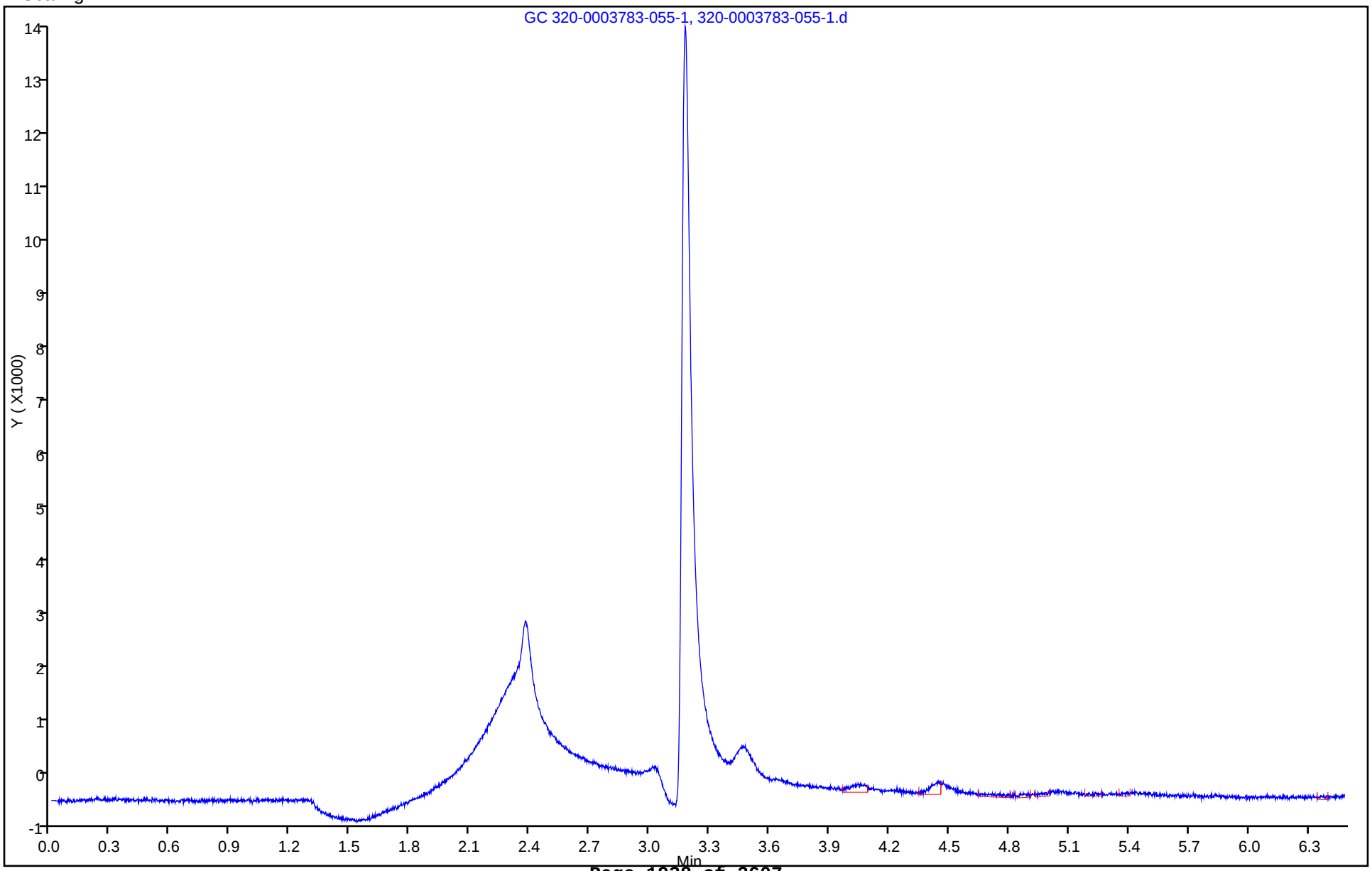
Report Date: 10-Apr-2013 11:13:18 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-055-1.d

Injection Date:	10-Apr-2013 08:17:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	55
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: 320-0003783-057-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 16:45

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 1.99(g) Date Analyzed: 04/10/2013 08:52

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	*Nitroguanidine*	*0.023*	*J*	*0.25*	0.040	*0.020*

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-057-1.d		
Lims ID:	240-22488-F-23-A	Client ID:	079SS-0053M-0001-SO
Inject. Date:	10-Apr-2013 08:52:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003783-057 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	57
Detector:	GC 320-0003783-057-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:13:30	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:14:59

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.245	4.173	0.072	188	4.59	

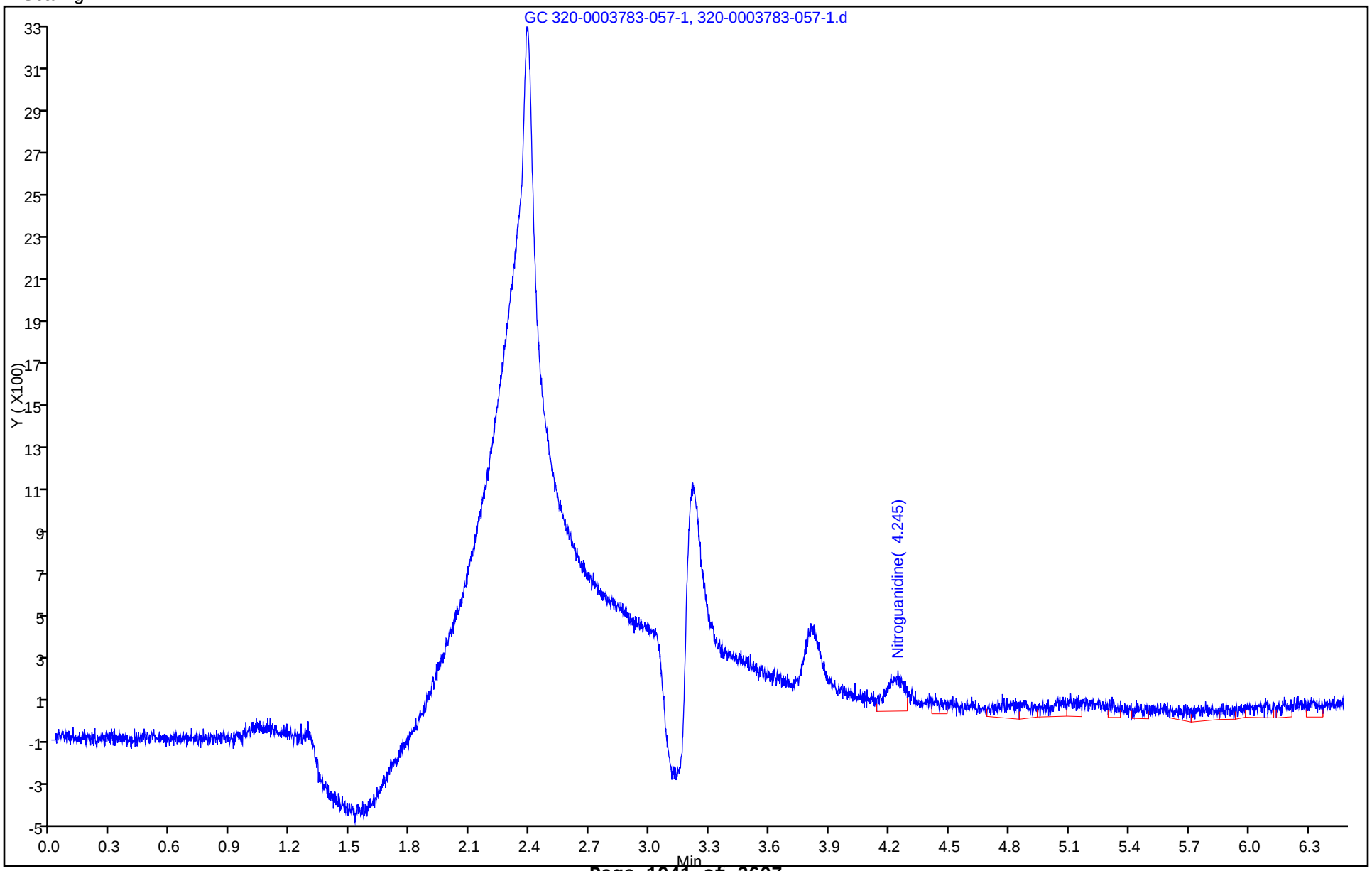
Report Date: 10-Apr-2013 11:14:59 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-057-1.d

Injection Date:	10-Apr-2013 08:52:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	57
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: 320-0003819-012-1.d

Analysis Method: 8330 Modified Date Collected: 03/25/2013 16:45

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 1.99(g) Date Analyzed: 04/10/2013 20:27

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14050 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-012-1.d		
Lims ID:	240-22488-F-23-A	Client ID:	079SS-0053M-0001-SO
Inject. Date:	10-Apr-2013 20:27:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003819-012 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	12
Detector:	GC 320-0003819-012-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	11-Apr-2013 09:36:20	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK005		

First Level Reviewer: russellk Date: 11-Apr-2013 09:38:10

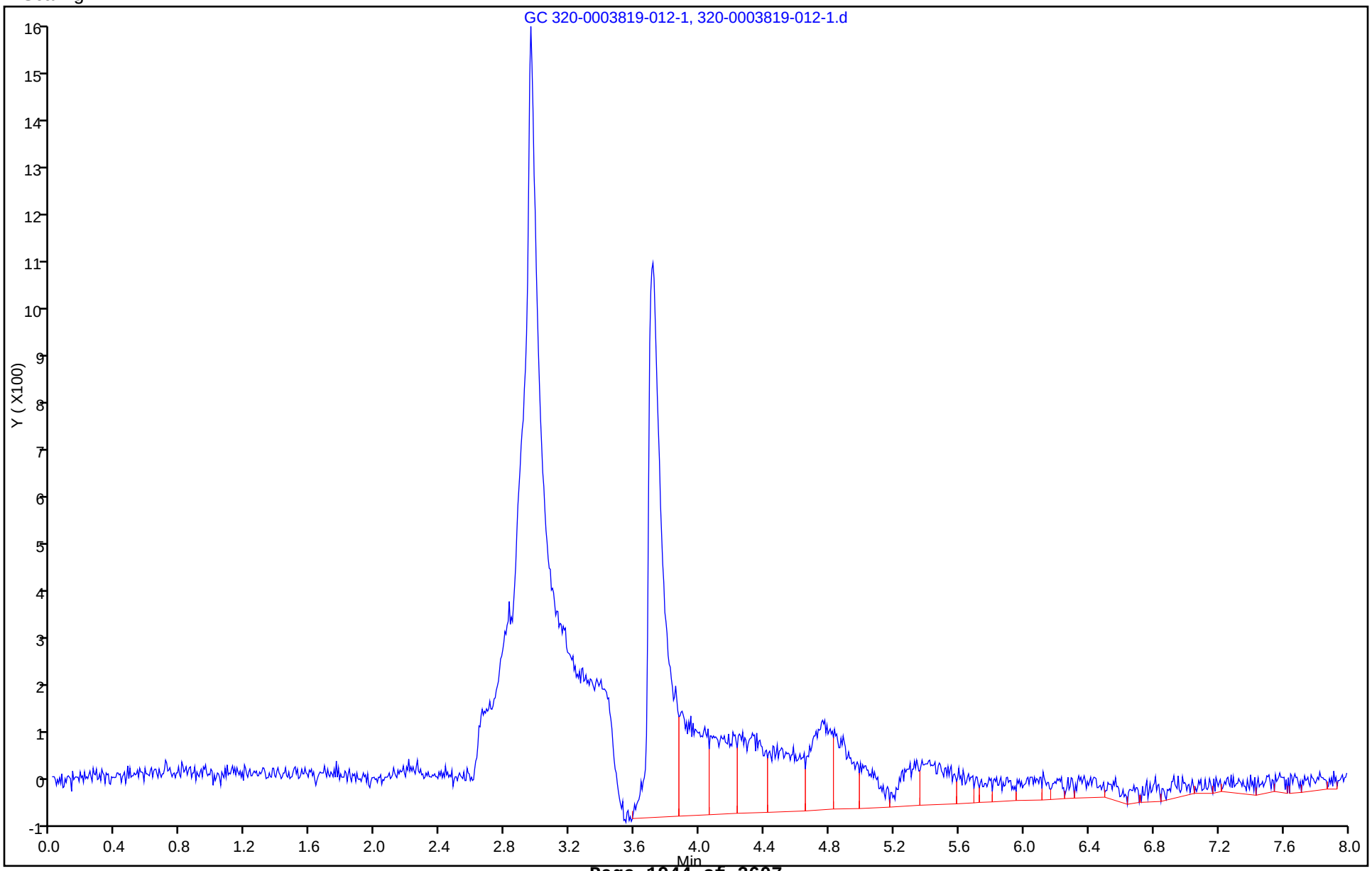
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 11-Apr-2013 09:38:10 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-012-1.d		
Injection Date:	10-Apr-2013 20:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 4779

SDG No.:

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.513	4.560	4.500	4.527	4.460	4.493					4.250 - 4.750	4.509

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 4779

SDG No.:

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.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								
Nitroguanidine	46.850 44.304	44.500 42.847	43.690	44.160	Ave		44.3918333				3.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 4779

SDG No.:

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	937 42847	2225	4369	8832	22152	20.0 1000	50.0	100	200	500

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003002-1.d		
Lims ID:	std02	Client ID:	
Inject. Date:	19-Oct-2012 15:58:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	HPNQL2_00003 Verification		
Misc. Info.:	none NQ Std 20 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	4
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL2_00003002-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:11:28	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 29-Oct-2012 12:32:00

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.513	4.500	0.013	937	21.1	

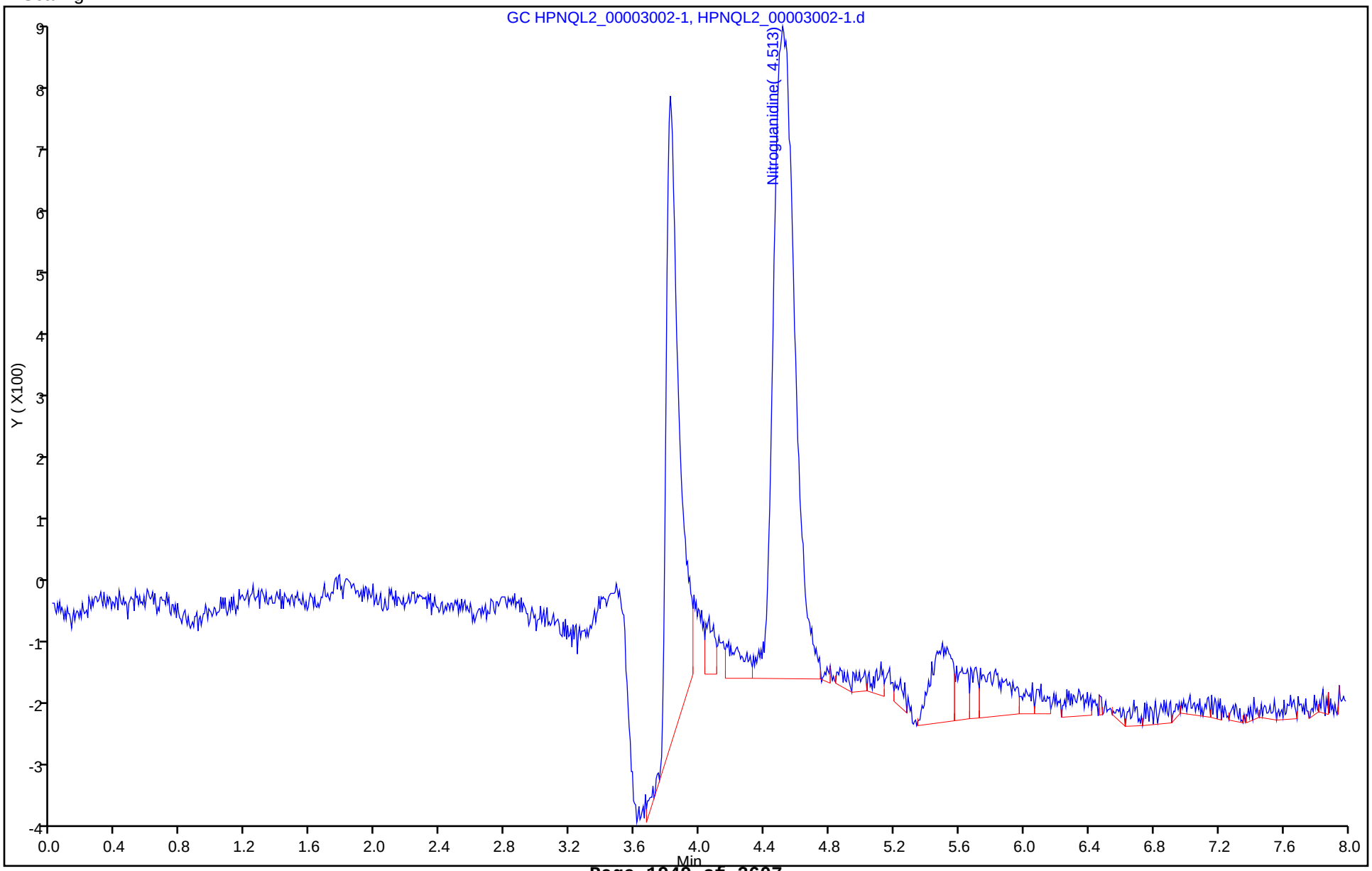
Report Date: 29-Oct-2012 15:11:28 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003002-1.d

Injection Date:	19-Oct-2012 15:58:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL3_00003001-1.d		
Lims ID:	std03	Client ID:	
Inject. Date:	19-Oct-2012 16:18:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	HPNQL3_00003 Verification		
Misc. Info.:	none NQ Std 50 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	5
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL3_00003001-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:11:29	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 29-Oct-2012 12:32:07

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.560	4.500	0.060	2225	50.1	

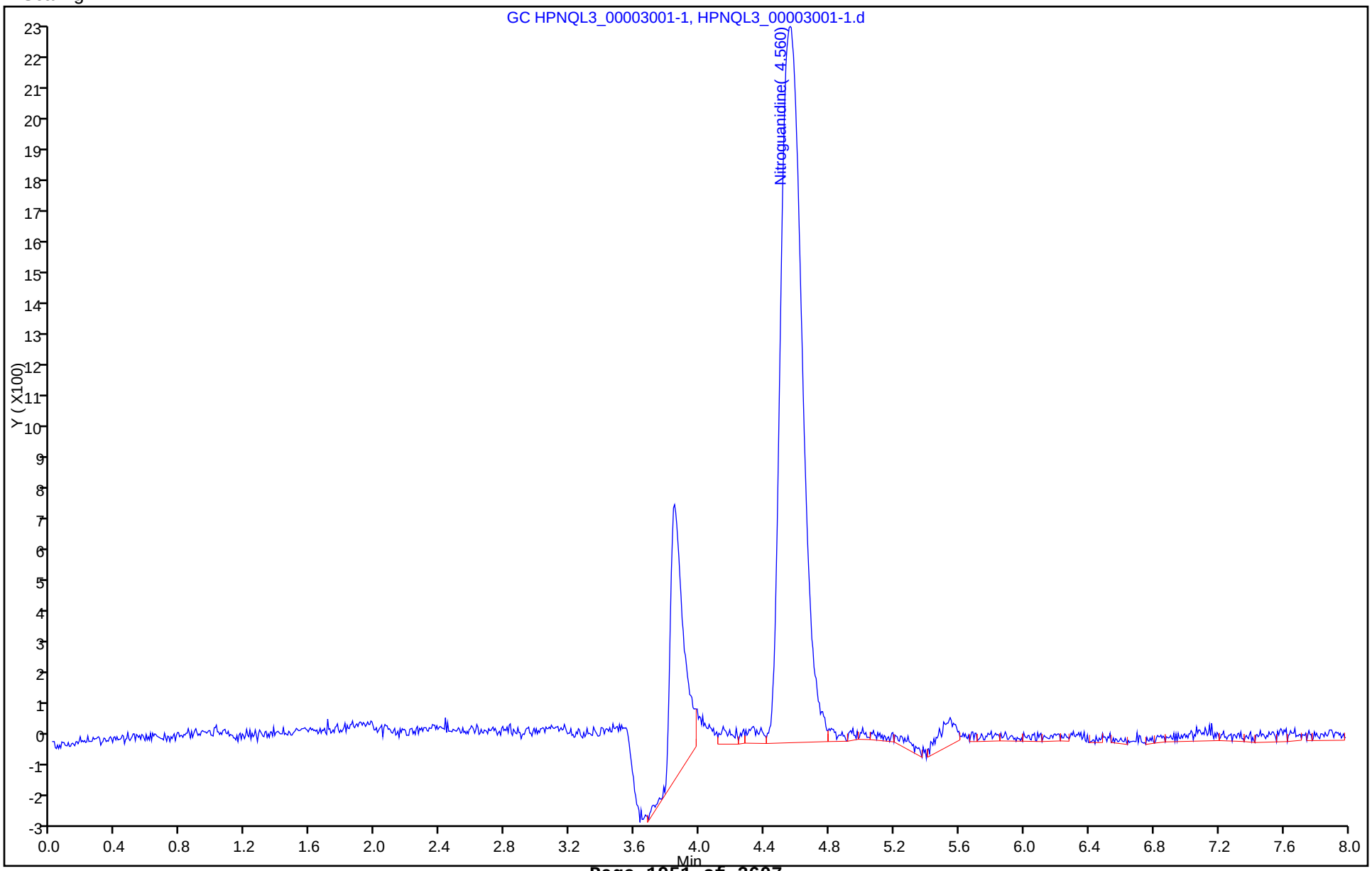
Report Date: 29-Oct-2012 15:11:29 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL3_00003001-1.d

Injection Date:	19-Oct-2012 16:18:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL4_00003001-1.d		
Lims ID:	std04	Client ID:	
Inject. Date:	19-Oct-2012 16:37:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	HPNQL4_00003 Verification		
Misc. Info.:	none NQ Std 100 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	6
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL4_00003001-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:11:29	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 29-Oct-2012 12:32:13

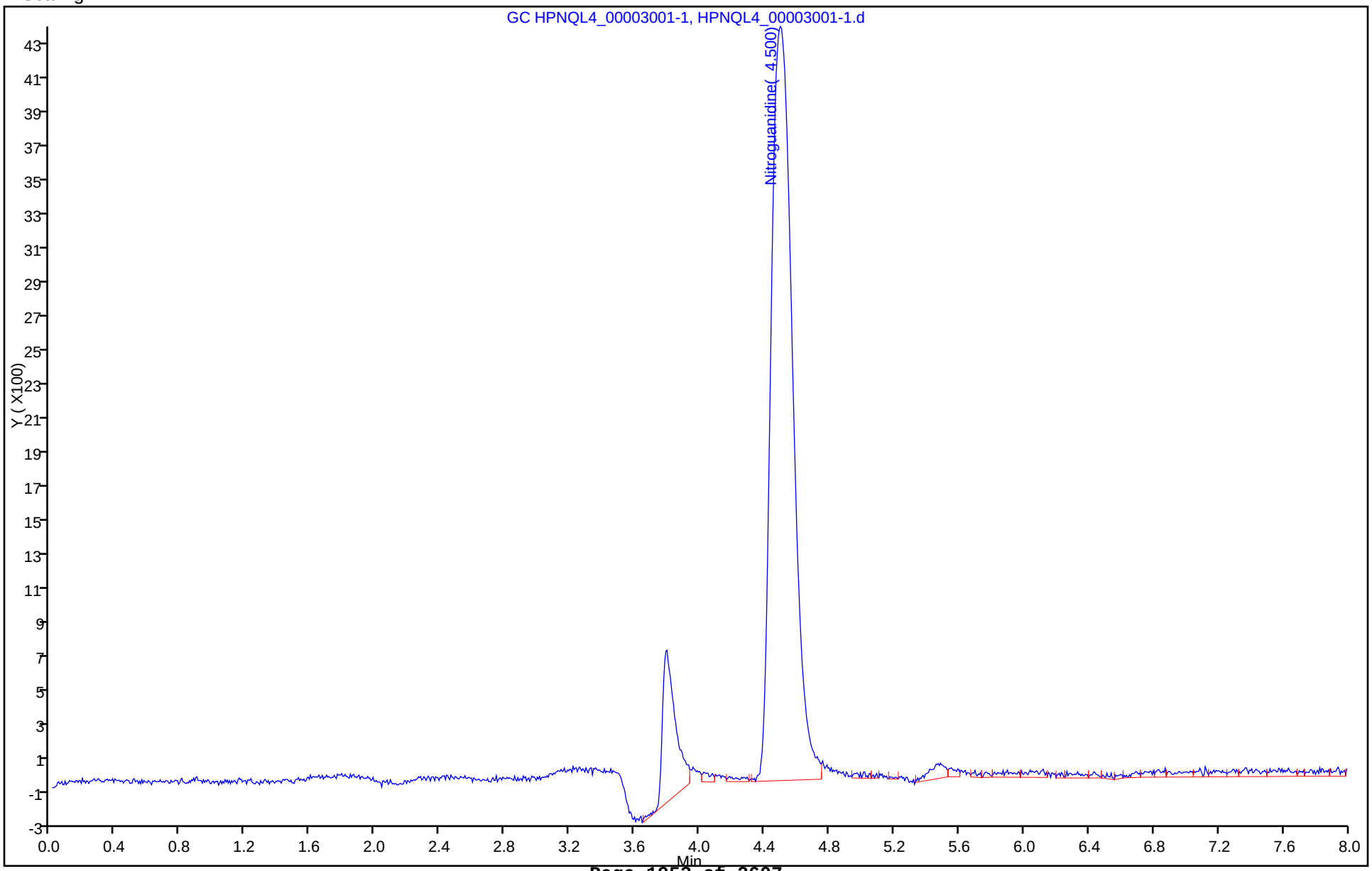
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.500	4.500	0.0	4369	98.4	

Report Date: 29-Oct-2012 15:11:29 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL4_00003001-1.d		
Injection Date:	19-Oct-2012 16:37:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL5_00003001-1.d		
Lims ID:	std05	Client ID:	
Inject. Date:	19-Oct-2012 16:57:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	HPNQL5_00003 Verification		
Misc. Info.:	none NQ Std 200 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	7
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL5_00003001-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:11:29	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		
First Level Reviewer: noonanr		Date:	29-Oct-2012 12:32:18

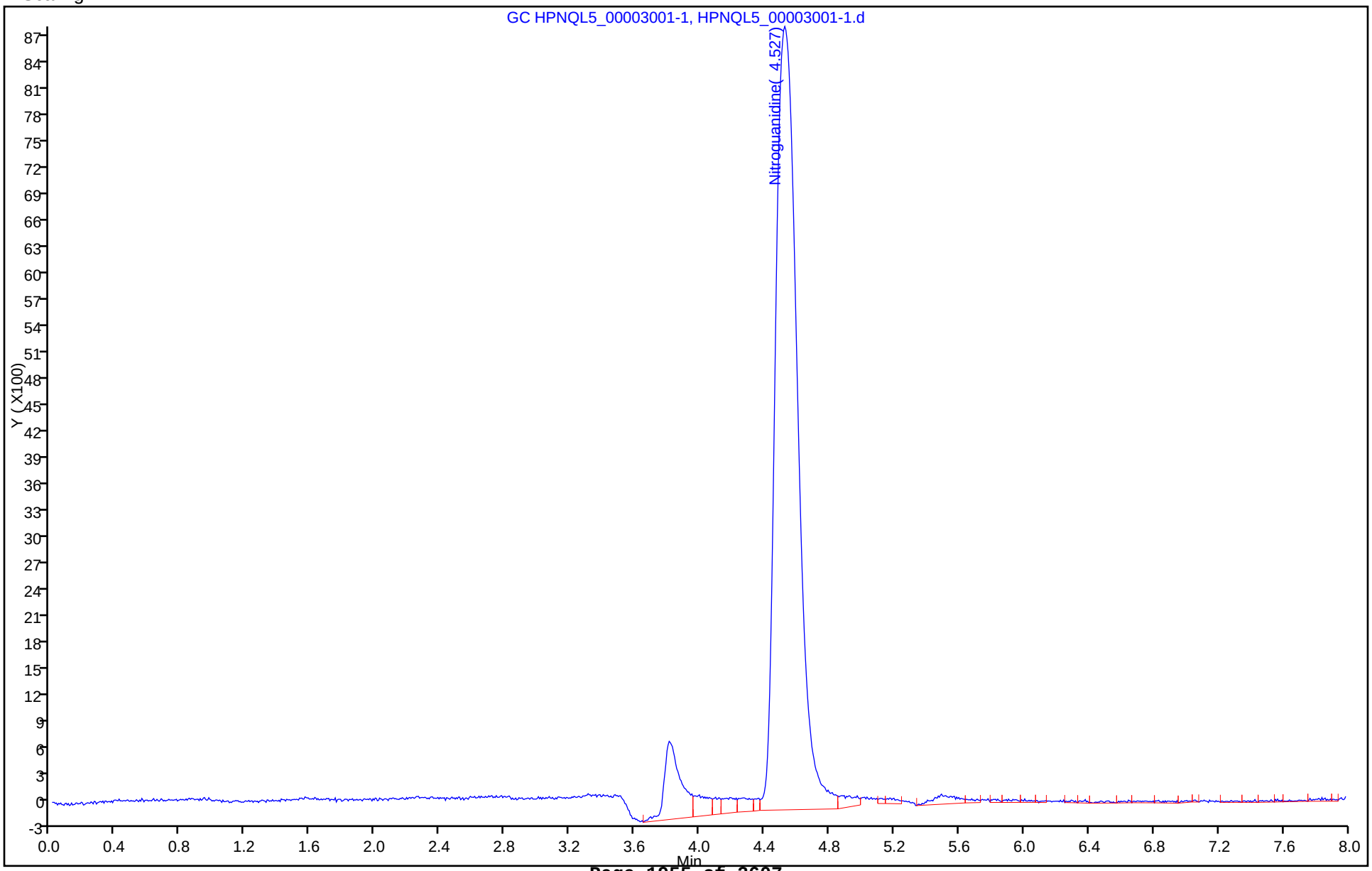
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.527	4.527	0.0	8832	199.0	

Report Date: 29-Oct-2012 15:11:30 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL5_00003001-1.d		
Injection Date:	19-Oct-2012 16:57:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL6_00003001-1.d		
Lims ID:	std06	Client ID:	
Inject. Date:	19-Oct-2012 17:17:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	HPNQL6_00003 Verification		
Misc. Info.:	none NQ Std 500 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	8
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL6_00003001-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:12:28	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		
First Level Reviewer: noonanr		Date:	29-Oct-2012 12:32:24

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.460	4.500	-0.040	22152	499.0	

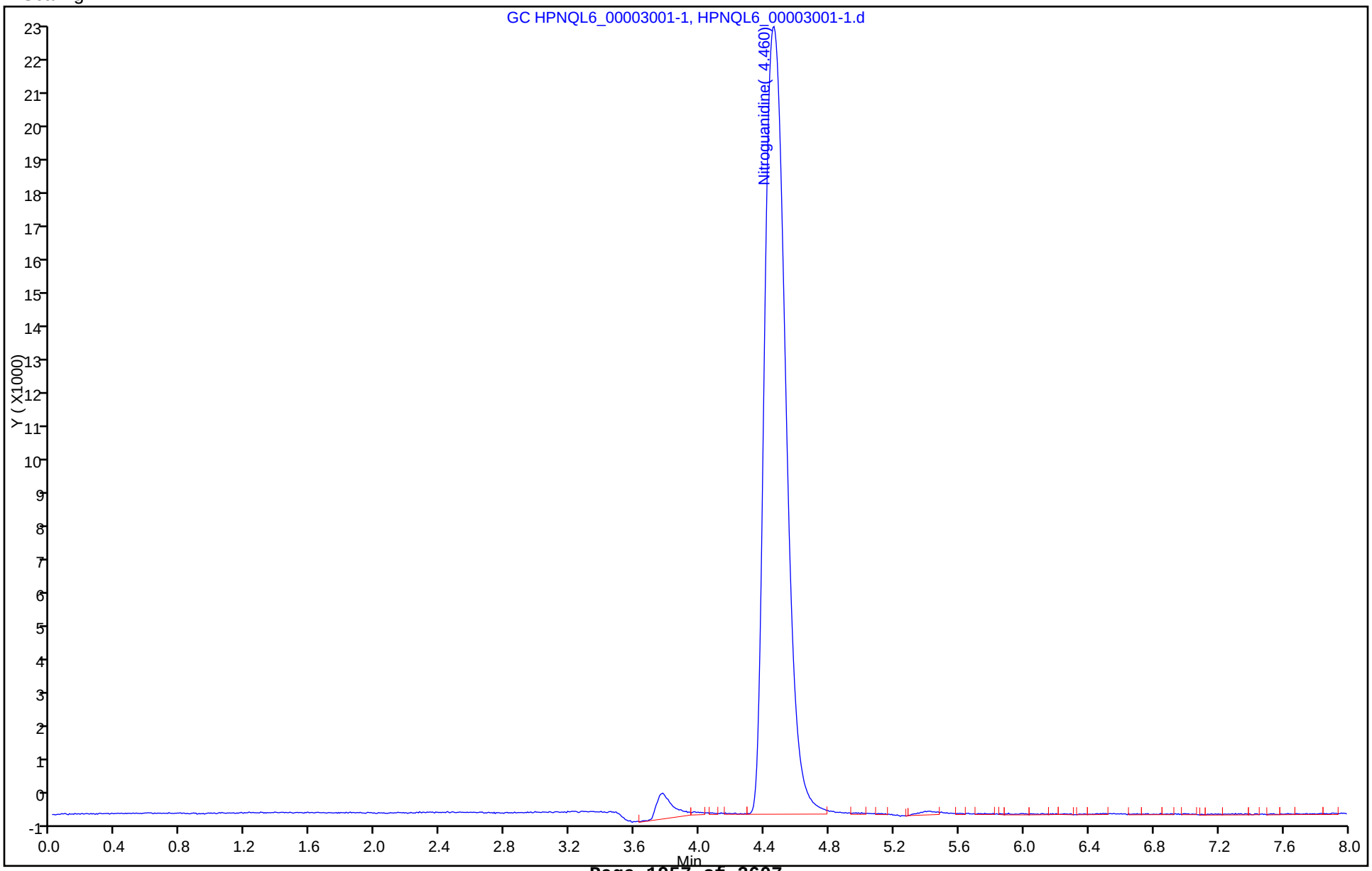
Report Date: 29-Oct-2012 15:12:28 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL6_00003001-1.d

Injection Date:	19-Oct-2012 17:17:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Lims ID:	std07	Client ID:	
Inject. Date:	19-Oct-2012 17:37:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	HPNQL7_00003 Verification		
Misc. Info.:	none NQ Std 1000 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	9
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC HPNQL7_00003001-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:11:30	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 29-Oct-2012 12:32:30

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.493	4.527	-0.034	42847	965.2	

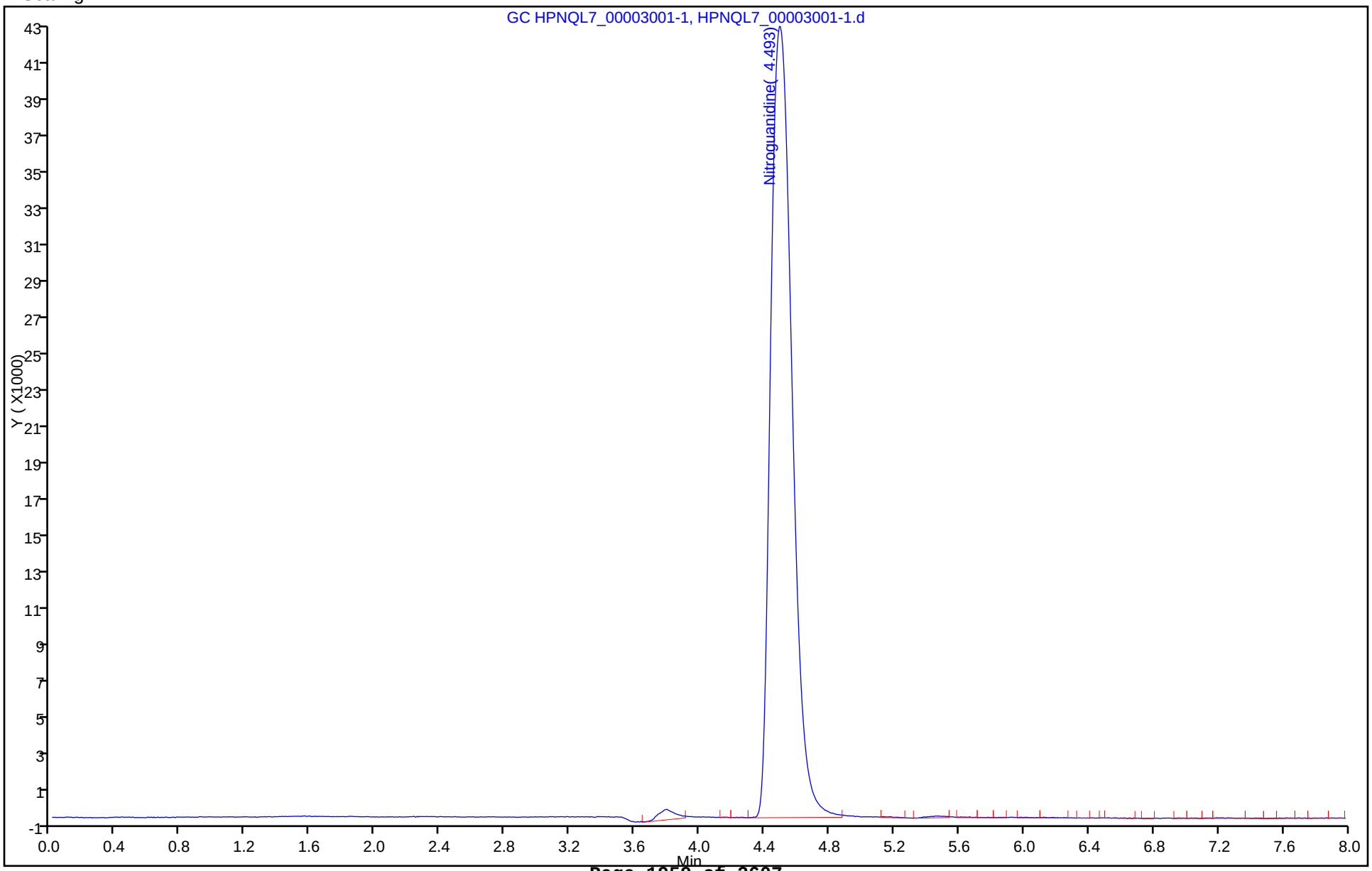
Report Date: 29-Oct-2012 15:11:30 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d

Injection Date:	19-Oct-2012 17:37:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 13890

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.195	4.205	4.185	4.187	4.192	4.173					3.942 - 4.442	4.190

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 13890

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.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								
Nitroguanidine	43.550 39.998	39.600 38.542	43.760	40.260	Ave		40.9516667				5.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 13890

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 13:21 Calibration End Date: 04/09/2013 14:50 Calibration ID: 2544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-13890/4	320-0003774-004-1.d
Level 2	STD03 320-13890/5	320-0003774-005-1.d
Level 3	STD04 320-13890/6	320-0003774-006-1.d
Level 4	STD05 320-13890/7	320-0003774-007-1.d
Level 5	STD06 320-13890/8	320-0003774-008-1.d
Level 6	STD07 320-13890/9	320-0003774-009-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	871 38542	1980	4376	8052	19999	20.0 1000	50.0	100	200	500

Curve Type Legend:
Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-004-1.d		
Lims ID:	std02	Client ID:	
Inject. Date:	09-Apr-2013 13:21:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	320-0003774-004 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	4
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-004-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:30	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:49:58

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.195	4.192	0.003	871	21.3	

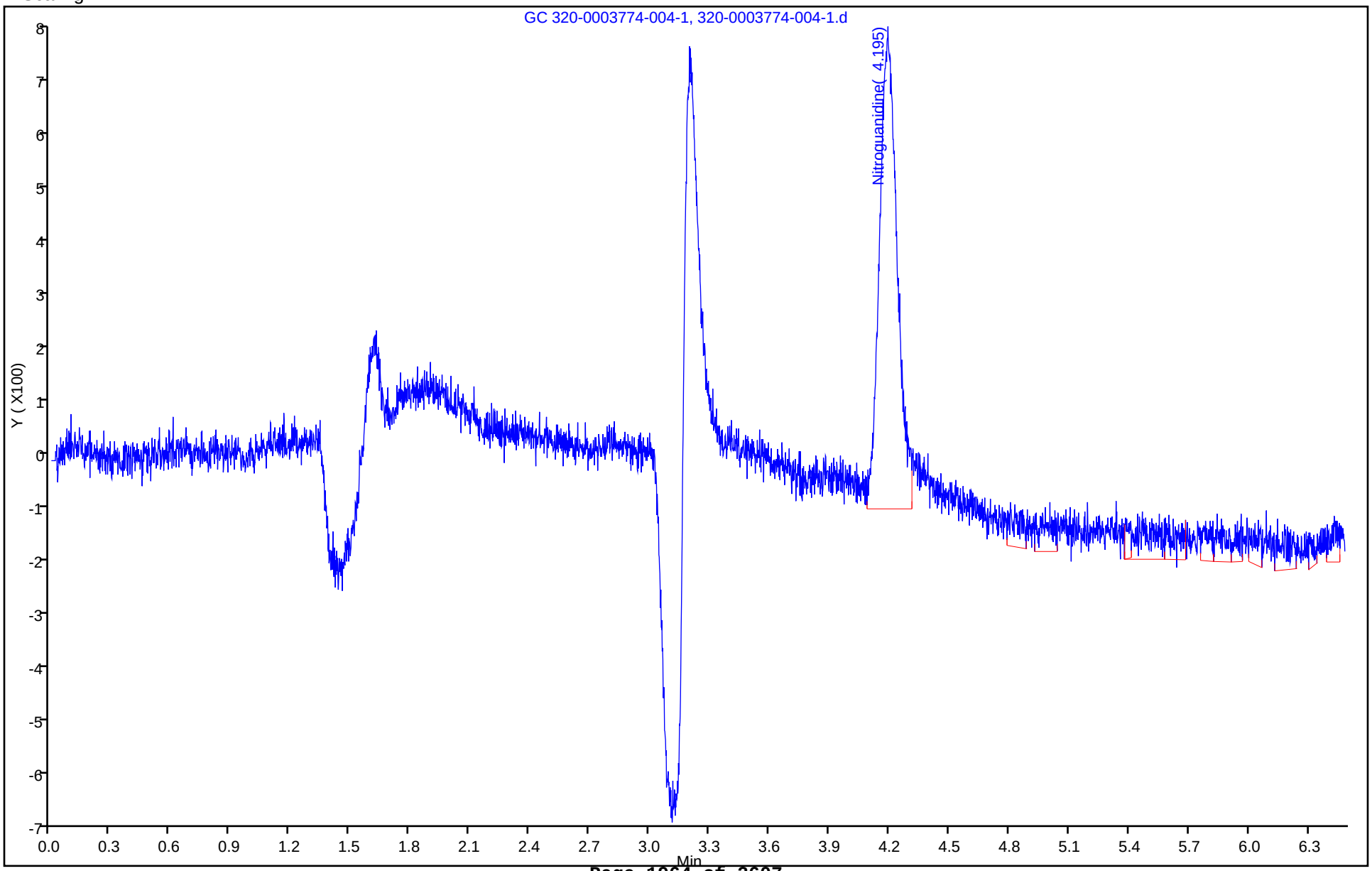
Report Date: 10-Apr-2013 10:05:30 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-004-1.d

Injection Date:	09-Apr-2013 13:21:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-005-1.d		
Lims ID:	std03	Client ID:	
Inject. Date:	09-Apr-2013 13:39:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	320-0003774-005 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	5
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-005-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:31	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		
First Level Reviewer: russellk		Date:	10-Apr-2013 09:50:02

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.205	4.192	0.013	1980	48.3	

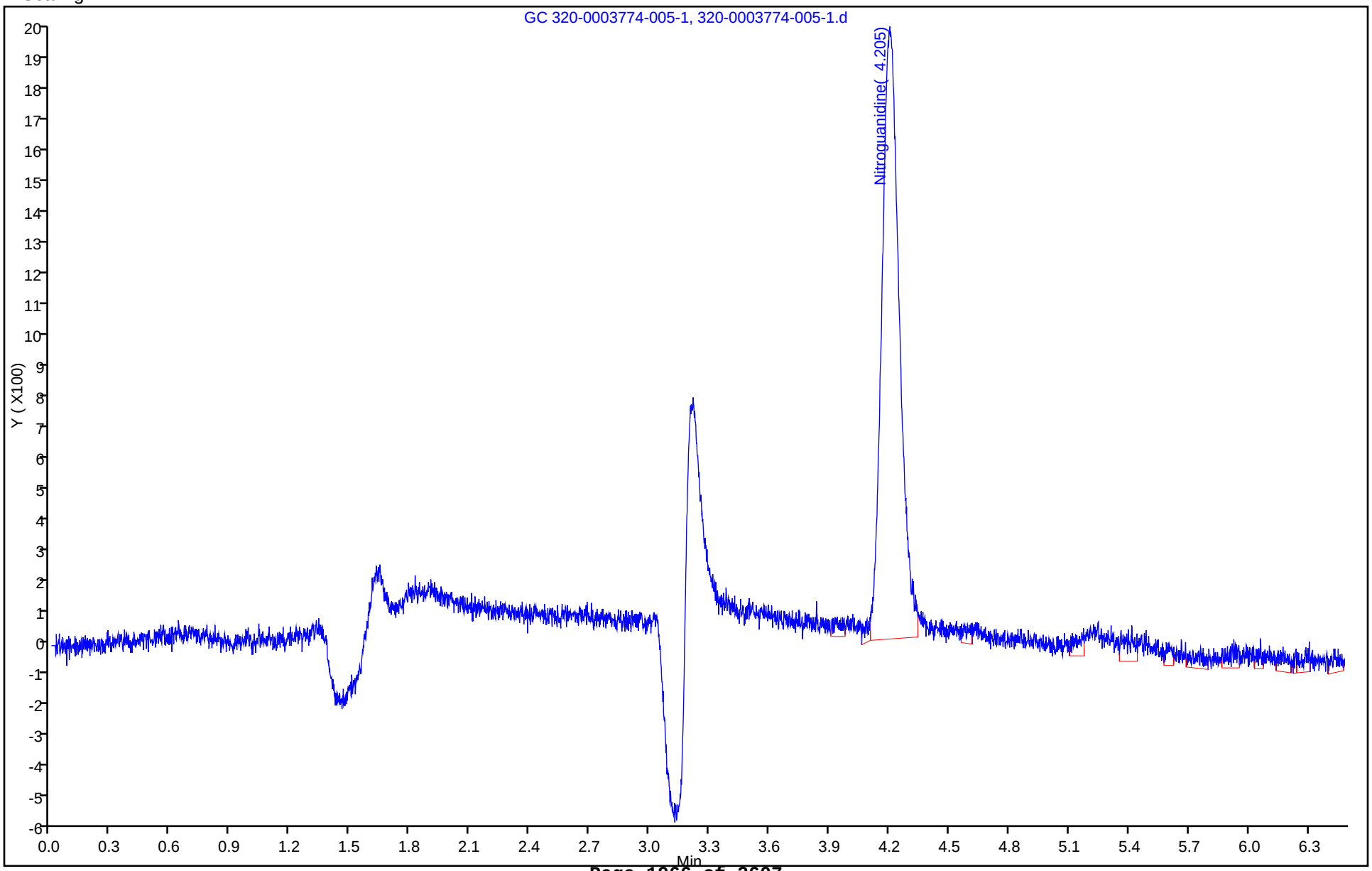
Report Date: 10-Apr-2013 10:05:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-005-1.d

Injection Date:	09-Apr-2013 13:39:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	5
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-006-1.d		
Lims ID:	std04	Client ID:	
Inject. Date:	09-Apr-2013 13:56:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	320-0003774-006 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	6
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-006-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:31	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:50:05

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.185	4.192	-0.007	4376	106.9	

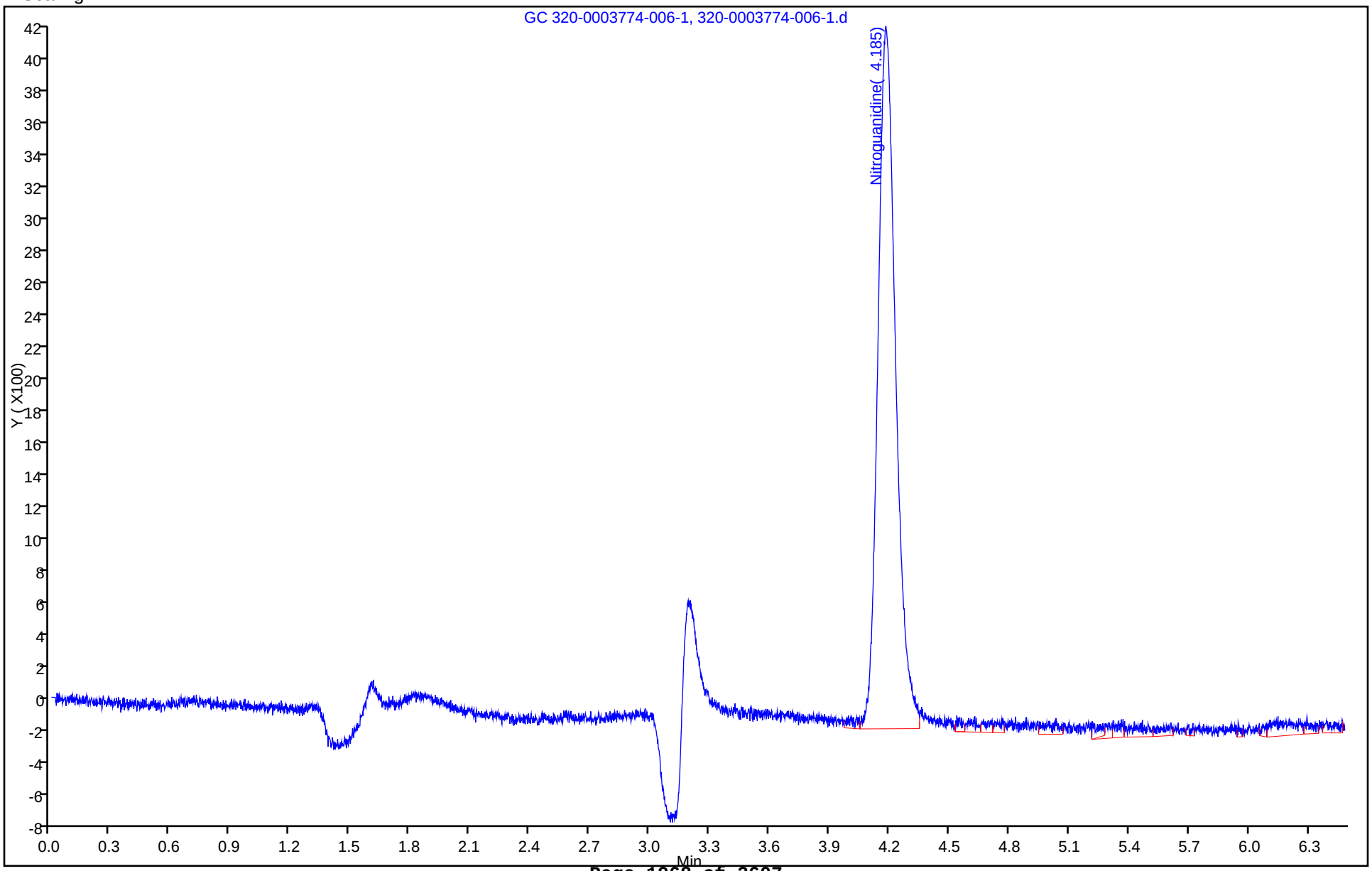
Report Date: 10-Apr-2013 10:05:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-006-1.d

Injection Date:	09-Apr-2013 13:56:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	6
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-007-1.d		
Lims ID:	std05	Client ID:	
Inject. Date:	09-Apr-2013 14:14:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	320-0003774-007 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	7
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-007-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:31	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		
First Level Reviewer: russellk		Date:	10-Apr-2013 09:50:09

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.187	4.187	0.0	8052	196.6	

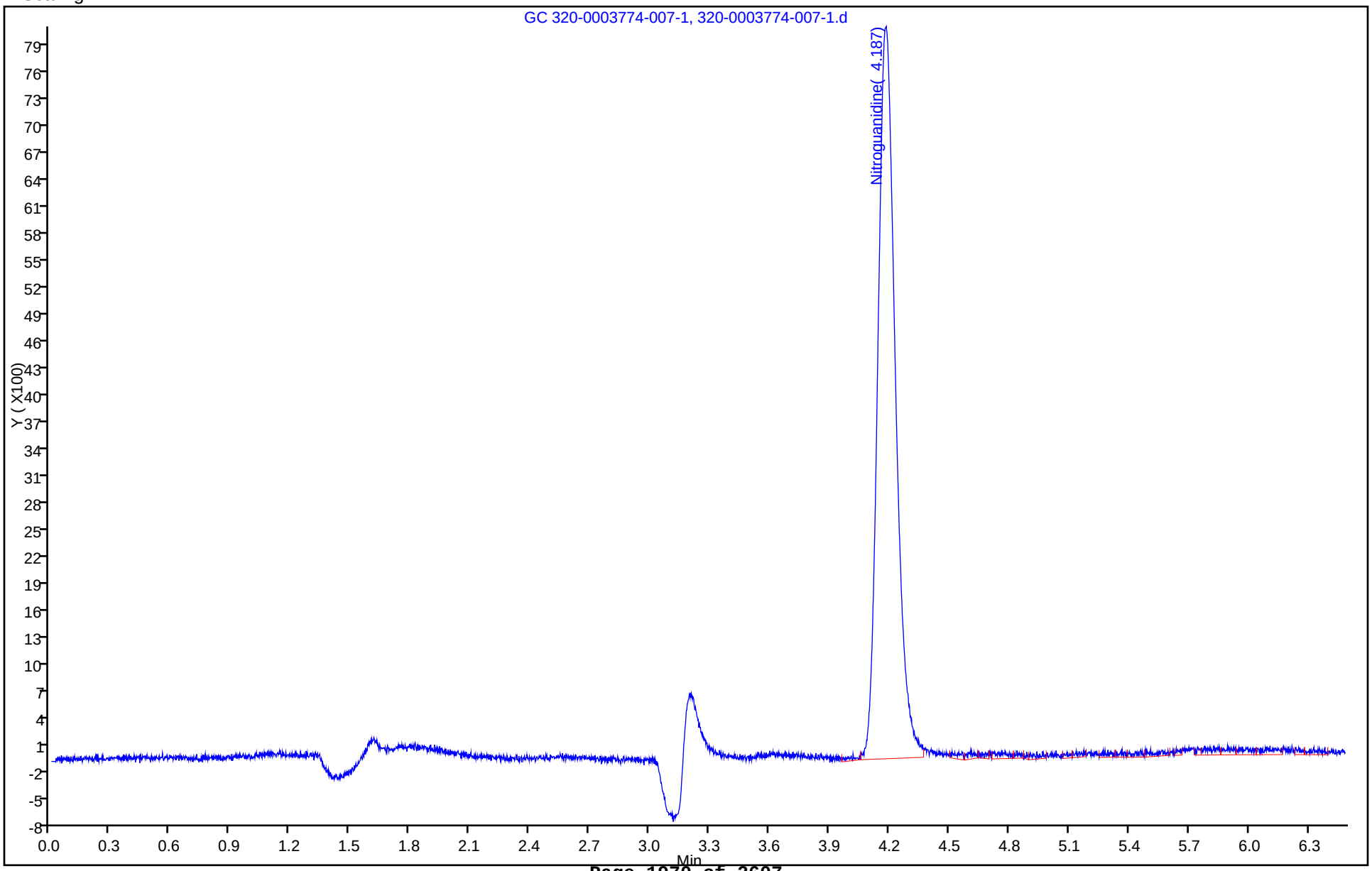
Report Date: 10-Apr-2013 10:05:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-007-1.d

Injection Date:	09-Apr-2013 14:14:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	7
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-008-1.d		
Lims ID:	std06	Client ID:	
Inject. Date:	09-Apr-2013 14:32:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	320-0003774-008 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	8
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-008-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:32	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:50:11

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.192	4.187	0.005	19999	488.4	

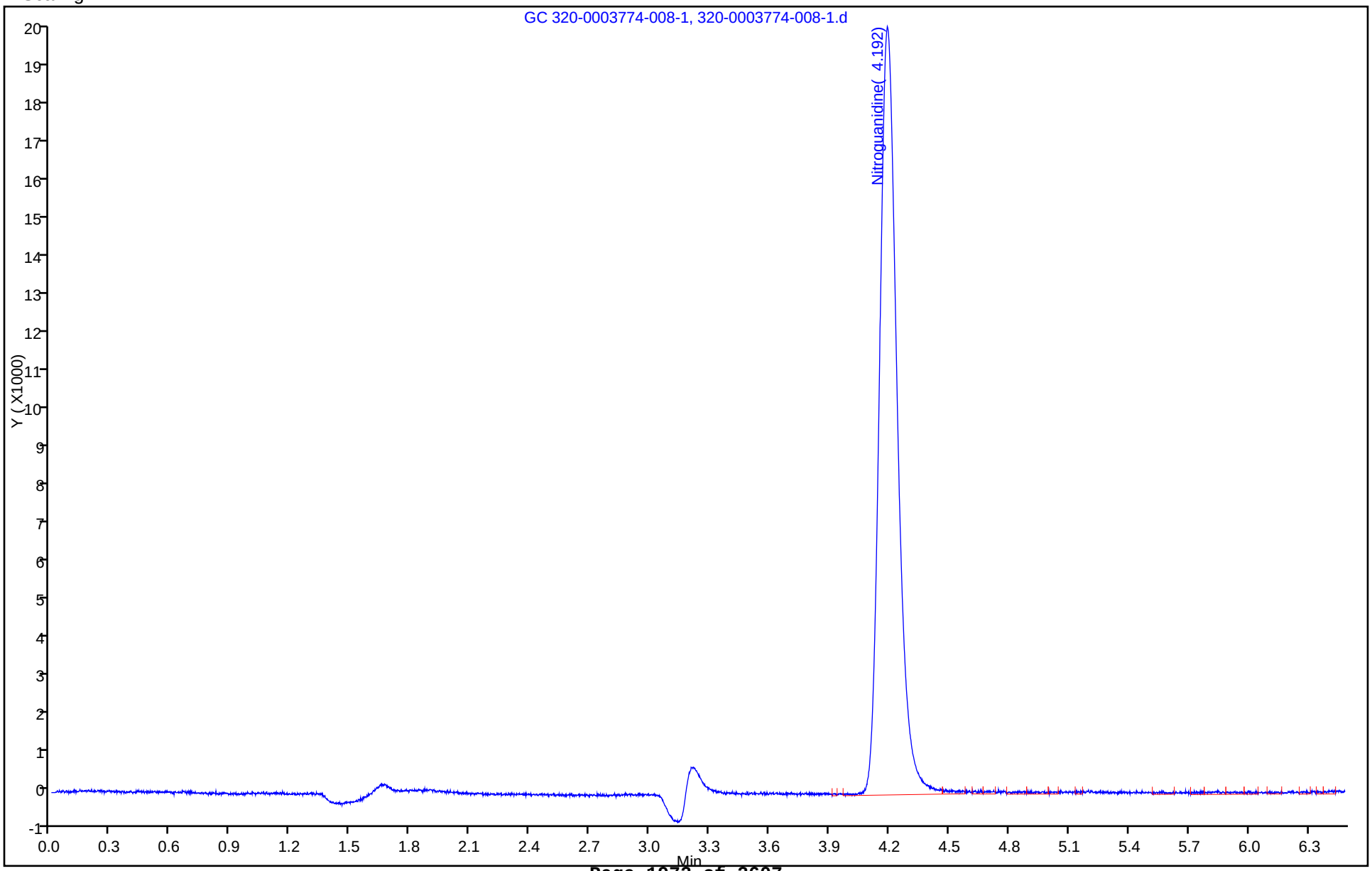
Report Date: 10-Apr-2013 10:05:32 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-008-1.d

Injection Date:	09-Apr-2013 14:32:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	8
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Lims ID:	std07	Client ID:	
Inject. Date:	09-Apr-2013 14:50:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	320-0003774-009 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	9
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-009-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:32	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:50:14

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.173	4.187	-0.014	38542	941.2	

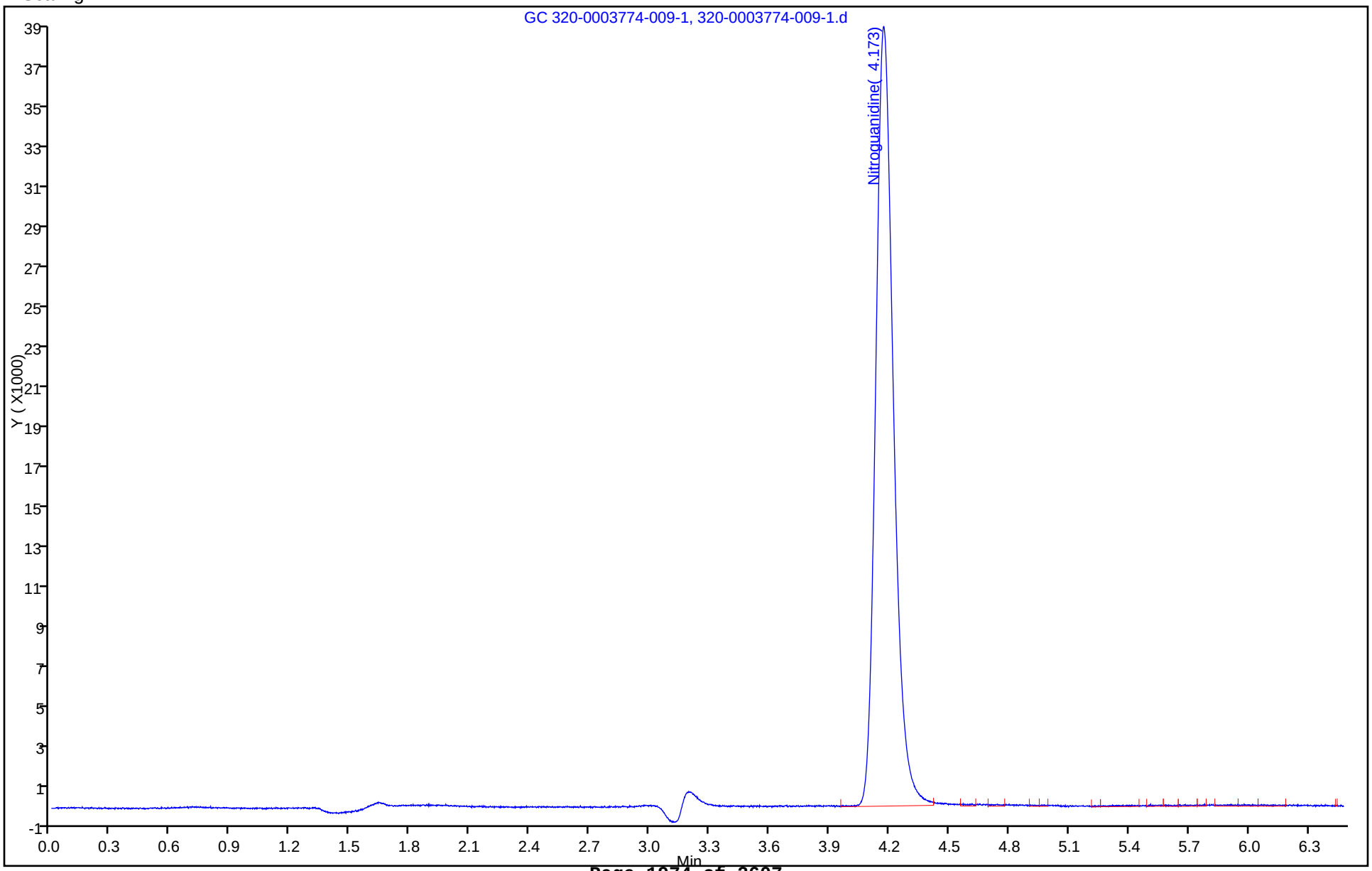
Report Date: 10-Apr-2013 10:05:32 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d

Injection Date:	09-Apr-2013 14:50:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	9
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: HPNQIC_00002;002-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	42.11		190	200	-5.1	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: HPNQIC_00002;002-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.51	4.26	4.76

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d		
Lims ID:	icv	Client ID:	
Inject. Date:	19-Oct-2012 18:17:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	HPNQIC_00002; Analysis		
Misc. Info.:	none ICV 200ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4779	Lims Sample ID:	11
Sublist:			
Detector:	GC HPNQIC_00002;002-1		
Method:	\\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m		
Last Update:	29-Oct-2012 15:09:46	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 22-Oct-2012 09:03:15

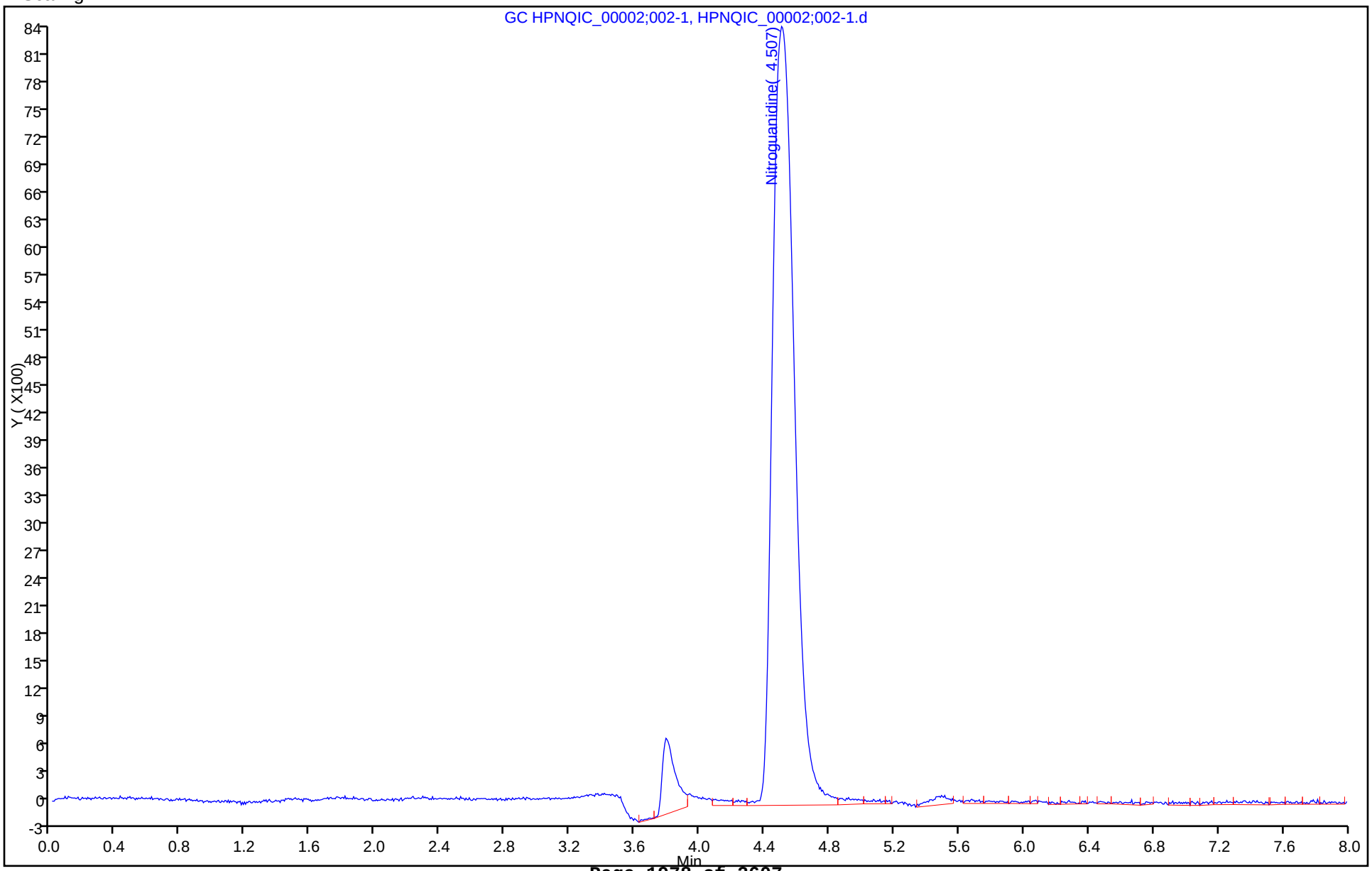
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.507	4.507	0.0	8422	189.7	

Report Date: 29-Oct-2012 15:09:46 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d		
Injection Date:	19-Oct-2012 18:17:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4779	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-13890/11 Calibration Date: 04/09/2013 15:25

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	39.58		193	200	-3.3	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-13890/11 Calibration Date: 04/09/2013 15:25

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-011-1.d		
Lims ID:	icv	Client ID:	
Inject. Date:	09-Apr-2013 15:25:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	320-0003774-011 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	11
Sublist:			
Detector:	GC 320-0003774-011-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:32	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:50:23

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.192	4.187	0.005	7916	193.3	

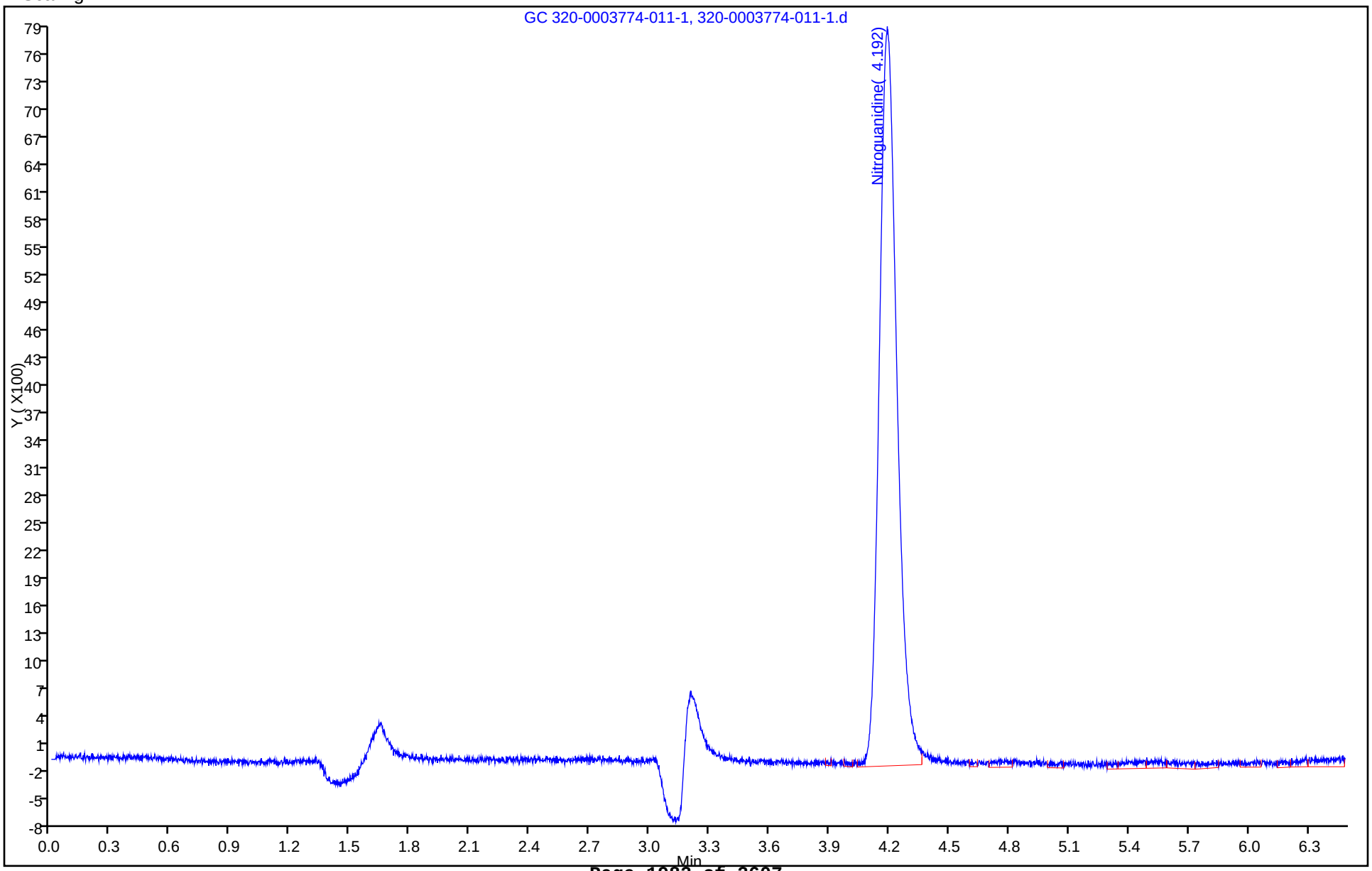
Report Date: 10-Apr-2013 10:05:33 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-011-1.d

Injection Date:	09-Apr-2013 15:25:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	11
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-13890/12 Calibration Date: 04/09/2013 15:43

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-012-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	63.40		7.74	5.00	54.8	

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-13890/12 Calibration Date: 04/09/2013 15:43

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-012-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-012-1.d		
Lims ID:	LODV	Client ID:	
Inject. Date:	09-Apr-2013 15:43:00	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	320-0003774-012 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	12
Detector:	GC 320-0003774-012-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:32	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: russellk Date: 10-Apr-2013 09:28:29

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.193	4.187	0.006	317	7.74	M

QC Flag Legend

Review Flags
M - Manually Integrated

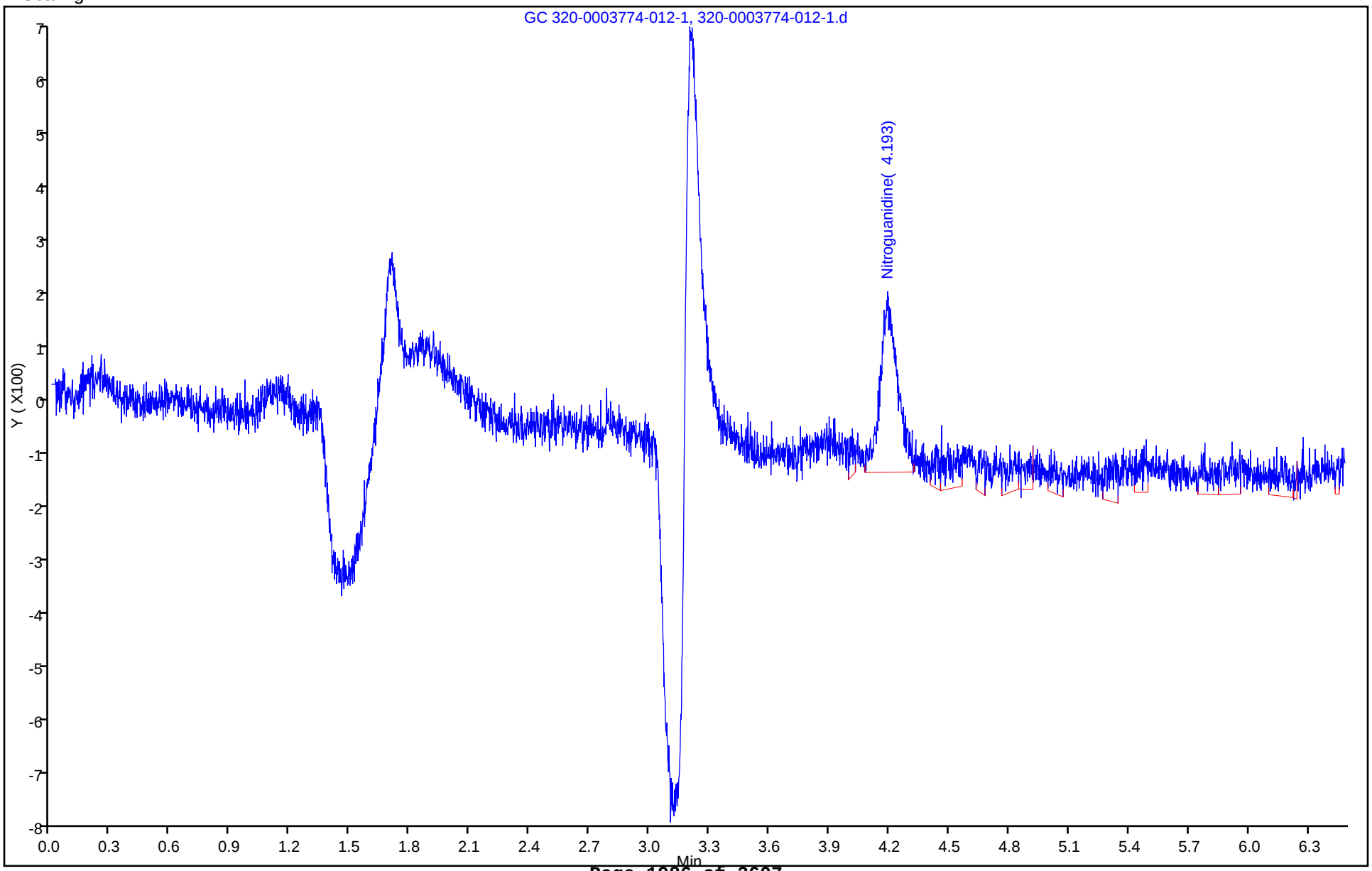
Report Date: 10-Apr-2013 10:05:33 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-012-1.d

Injection Date:	09-Apr-2013 15:43:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	12
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



Manual Integration/User Assign Peak Report

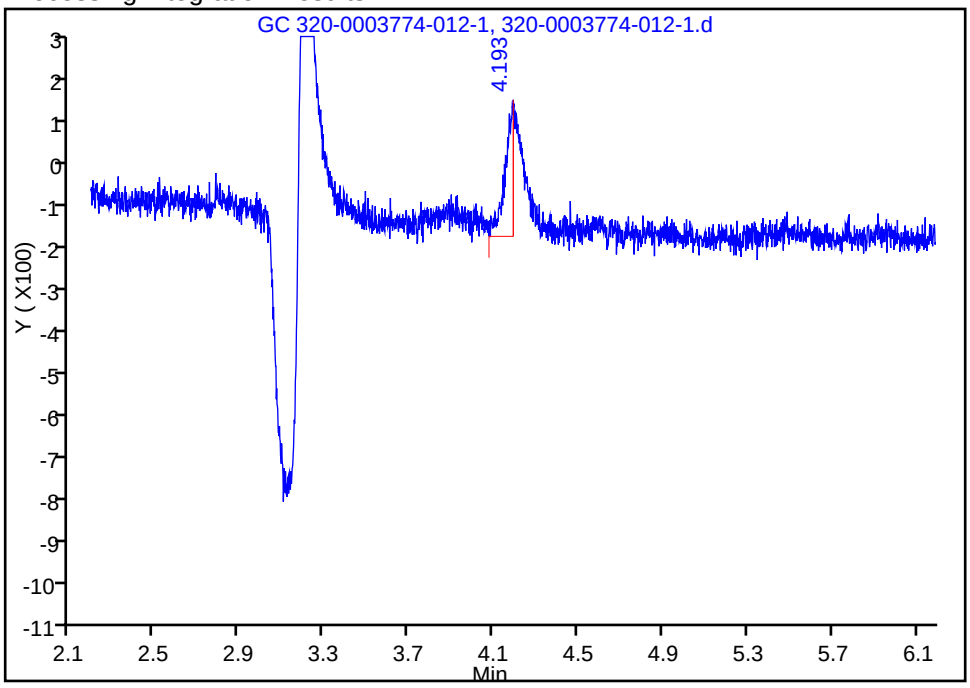
TestAmerica Sacramento

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Injection Date:	09-Apr-2013 15:43:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	12
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.19

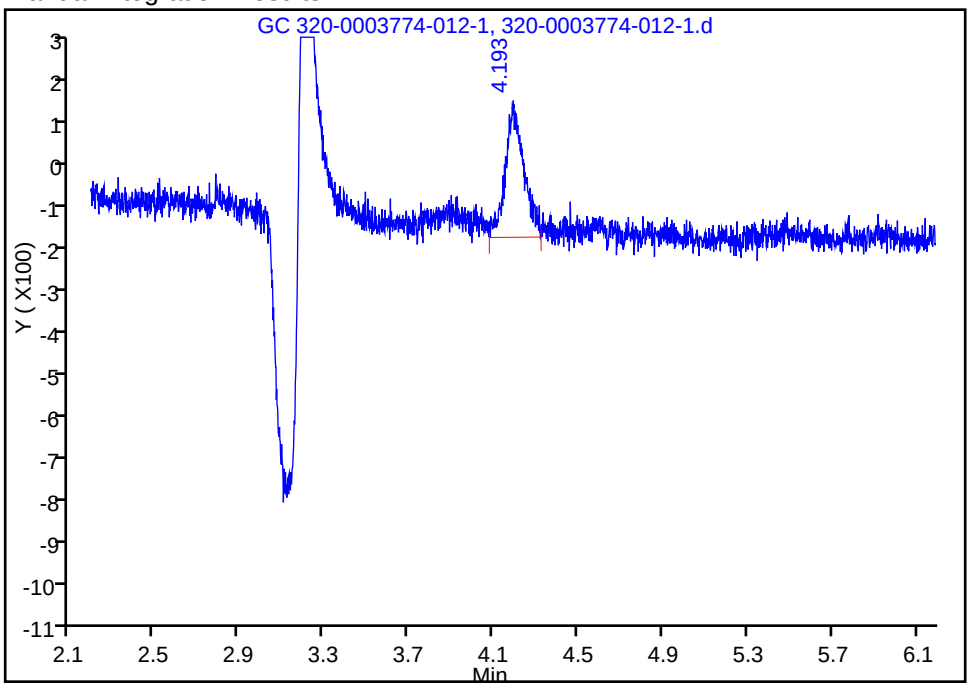
Processing Integration Results

RT: 4.19
Response: 317
Amount: 7.740833



Manual Integration Results

RT: 4.19
Response: 317
Amount: 7.740833



Reviewer: russellk, 10-Apr-2013 09:44:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13890/13 Calibration Date: 04/09/2013 16:01

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-013-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	45.95		22.4	20.0	12.2	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13890/13 Calibration Date: 04/09/2013 16:01

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003774-013-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-013-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	09-Apr-2013 16:01:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003774-013 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13890	Lims Sample ID:	13
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003774-013-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3774.b\NGu Primary.m		
Last Update:	10-Apr-2013 10:05:36	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		
First Level Reviewer: noonanr		Date:	10-Apr-2013 10:05:12

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.192	4.192	0.0	919	22.4	

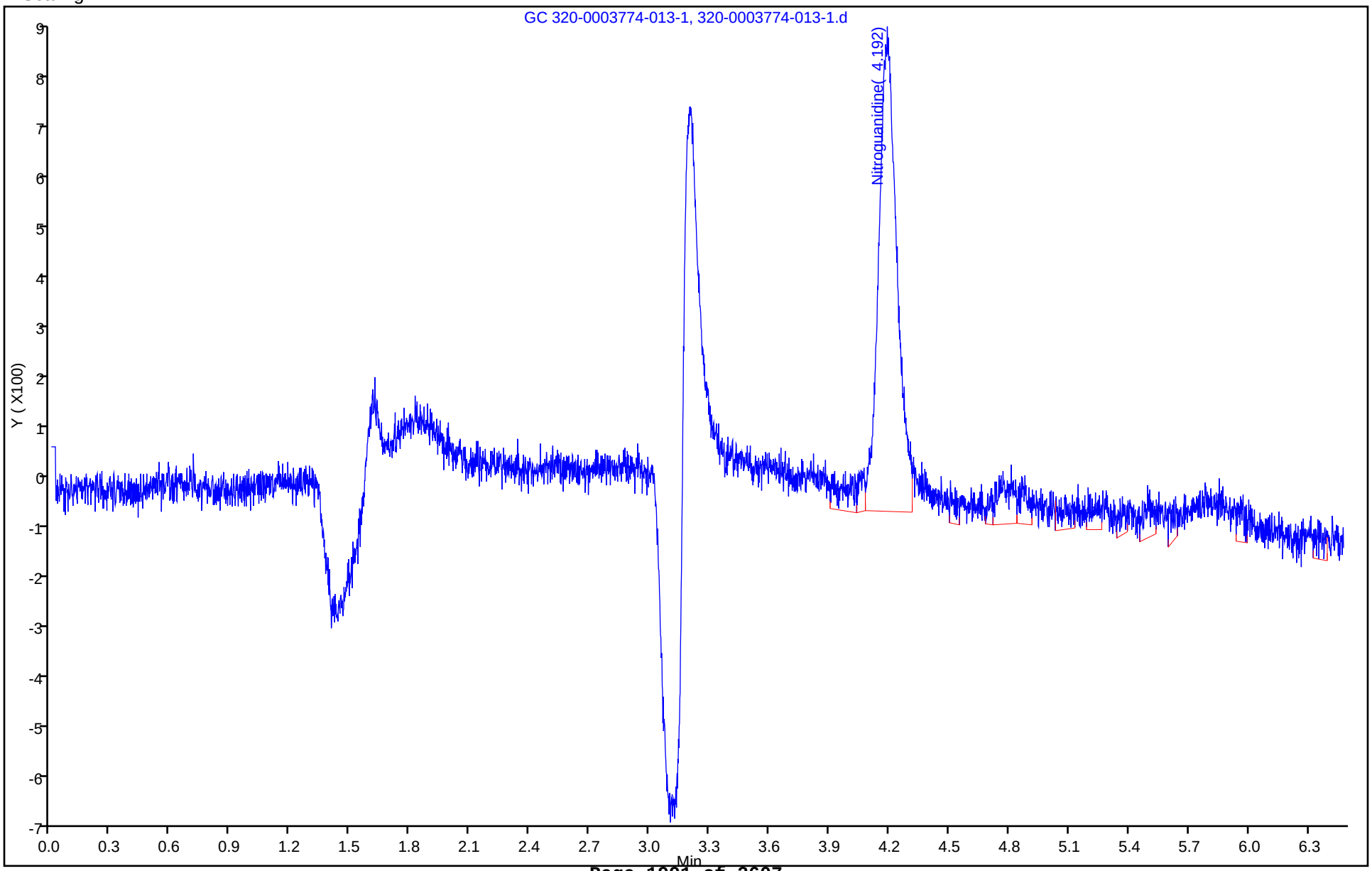
Report Date: 10-Apr-2013 10:05:36 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-013-1.d

Injection Date:	09-Apr-2013 16:01:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13890	Lims Sample ID:	13
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/45 Calibration Date: 04/10/2013 05:19

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-045-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	43.89		107	100	7.2	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/45 Calibration Date: 04/10/2013 05:19

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-045-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.20	3.95	4.45

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-045-1.d		
Lims ID:	CCV 04	Client ID:	
Inject. Date:	10-Apr-2013 05:19:00	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003783-045 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	45
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003783-045-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:11:14	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:11:14

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.203	4.203	0.0	4389	107.2	

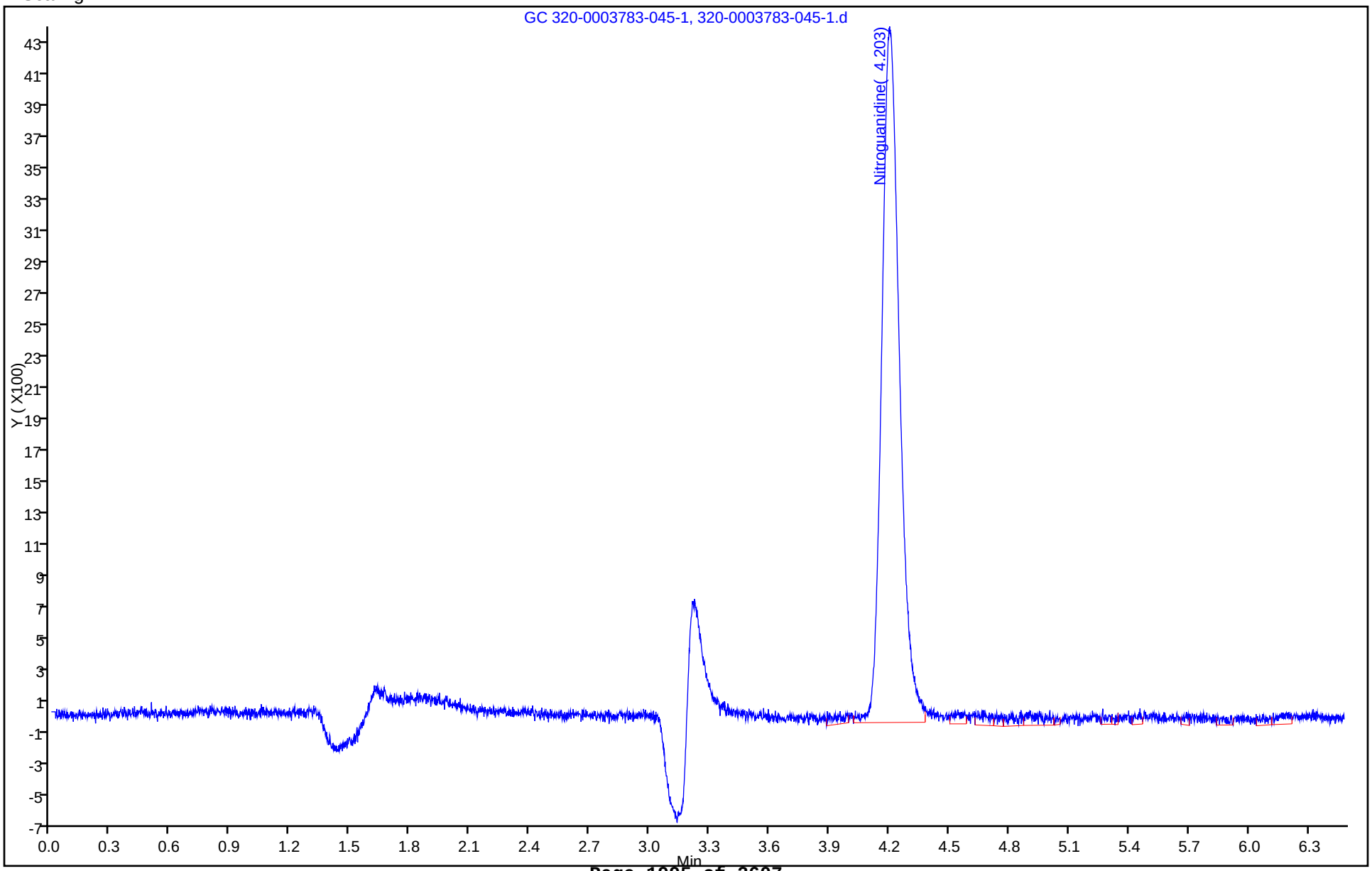
Report Date: 10-Apr-2013 11:11:14 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-045-1.d

Injection Date:	10-Apr-2013 05:19:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	45
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/56 Calibration Date: 04/10/2013 08:34

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-056-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	43.79		107	100	6.9	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/56 Calibration Date: 04/10/2013 08:34

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-056-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.17	3.92	4.42

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-056-1.d		
Lims ID:	CCV 04	Client ID:	
Inject. Date:	10-Apr-2013 08:34:00	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003783-056 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	56
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003783-056-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:13:30	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:13:30

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.173	4.173	0.0	4379	106.9	

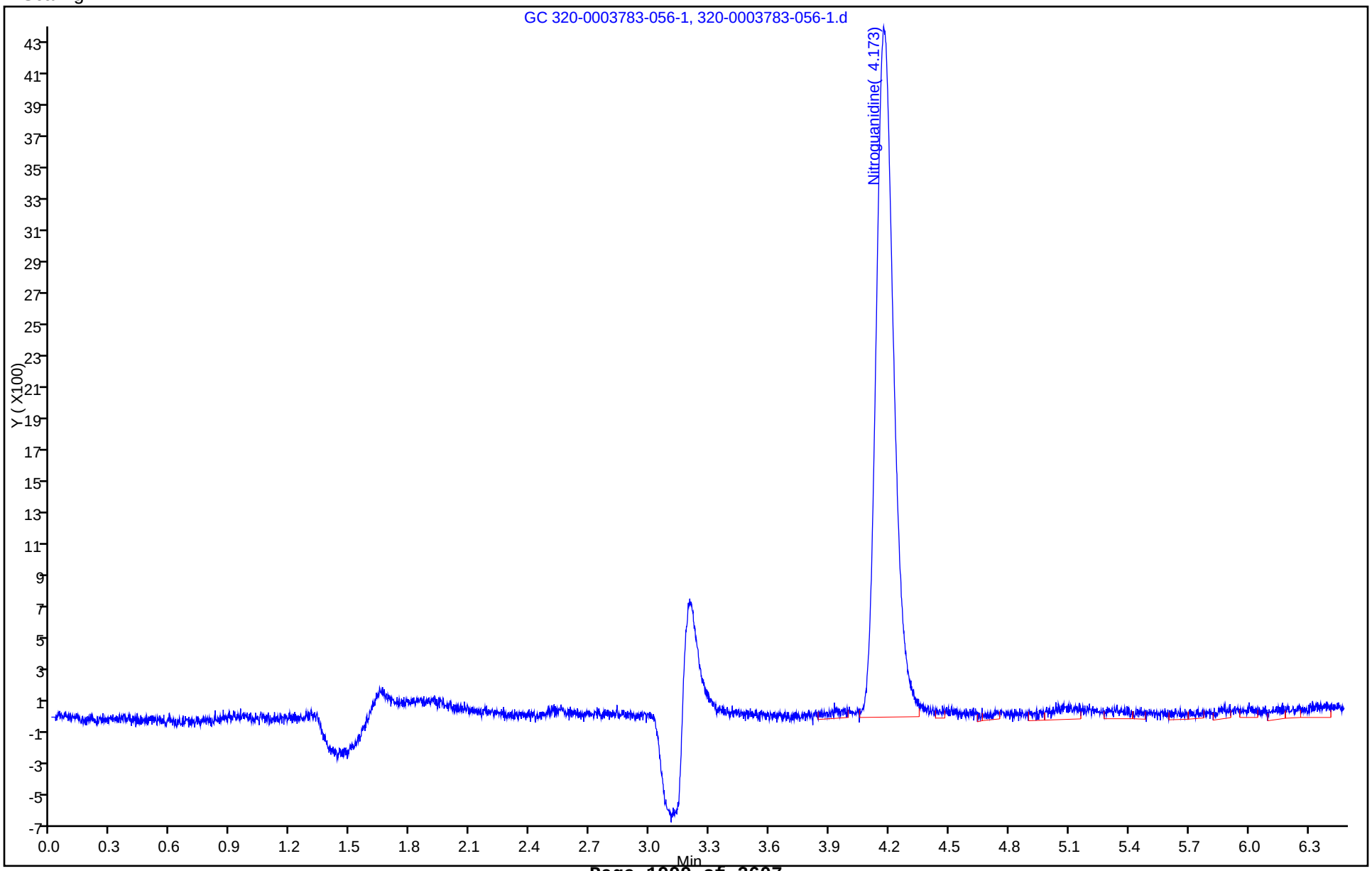
Report Date: 10-Apr-2013 11:13:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-056-1.d

Injection Date:	10-Apr-2013 08:34:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	56
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/67 Calibration Date: 04/10/2013 11:49

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-067-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	44.29		108	100	8.2	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13918/67 Calibration Date: 04/10/2013 11:49

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-067-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.18	3.93	4.43

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-067-1.d		
Lims ID:	CCV 04	Client ID:	
Inject. Date:	10-Apr-2013 11:49:00	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003783-067 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	67
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003783-067-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 15:10:29	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK037		

First Level Reviewer: noonanr Date: 10-Apr-2013 15:10:29

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.183	4.183	0.0	4429	108.2	

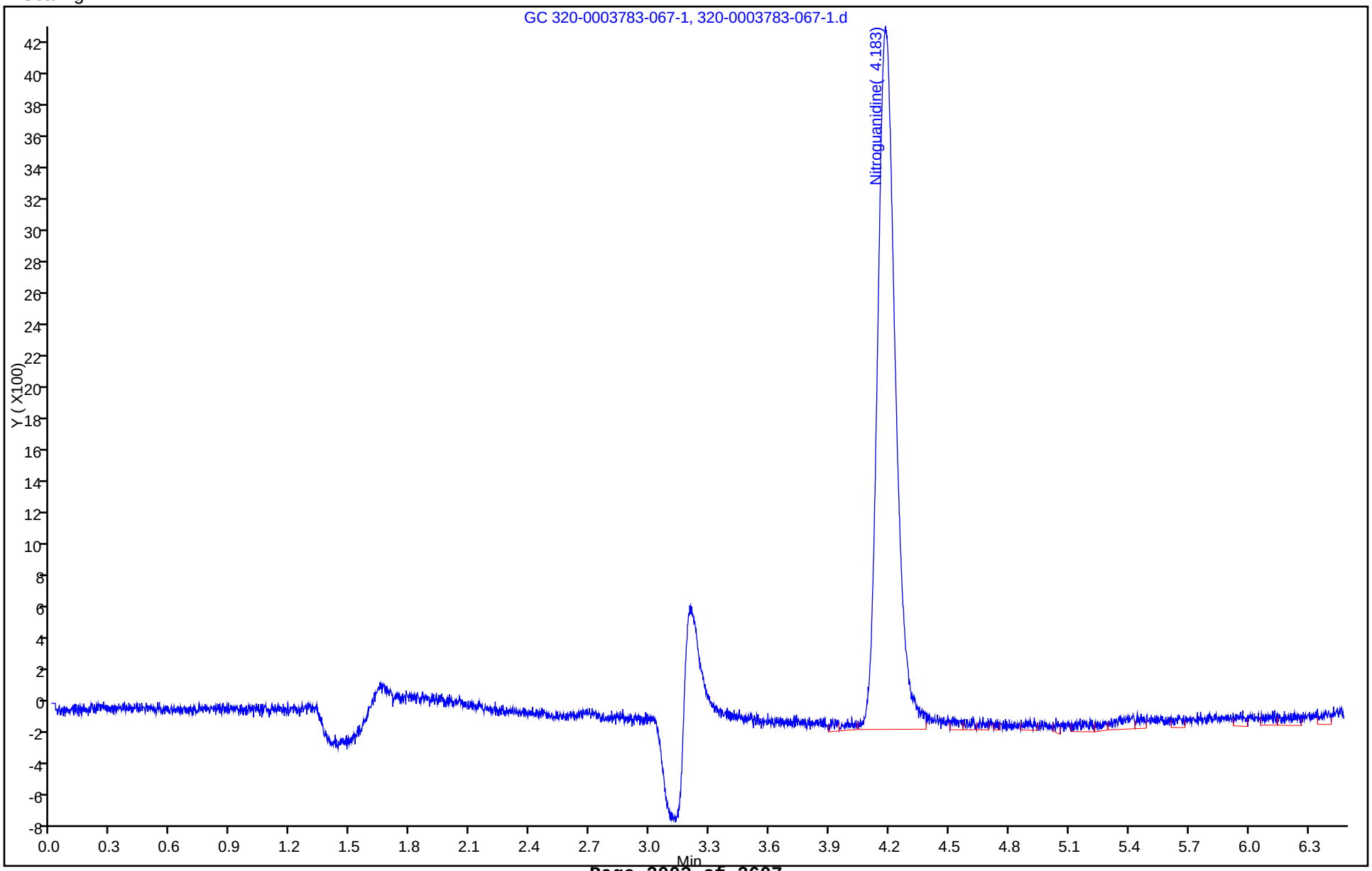
Report Date: 10-Apr-2013 15:10:29 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-067-1.d

Injection Date:	10-Apr-2013 11:49:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	67
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13918/73 Calibration Date: 04/10/2013 13:36

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-073-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	40.95	45.05		22.0	20.0	10.0	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13918/73 Calibration Date: 04/10/2013 13:36

Instrument ID: PDA1 Calib Start Date: 04/09/2013 13:21

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 04/09/2013 14:50

Lab File ID: 320-0003783-073-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.19	3.94	4.44

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-073-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	10-Apr-2013 13:36:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003783-073 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	73
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0003783-073-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 15:54:55	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		
First Level Reviewer: russellk		Date:	10-Apr-2013 15:54:17

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.187	4.187	0.0	901	22.0	

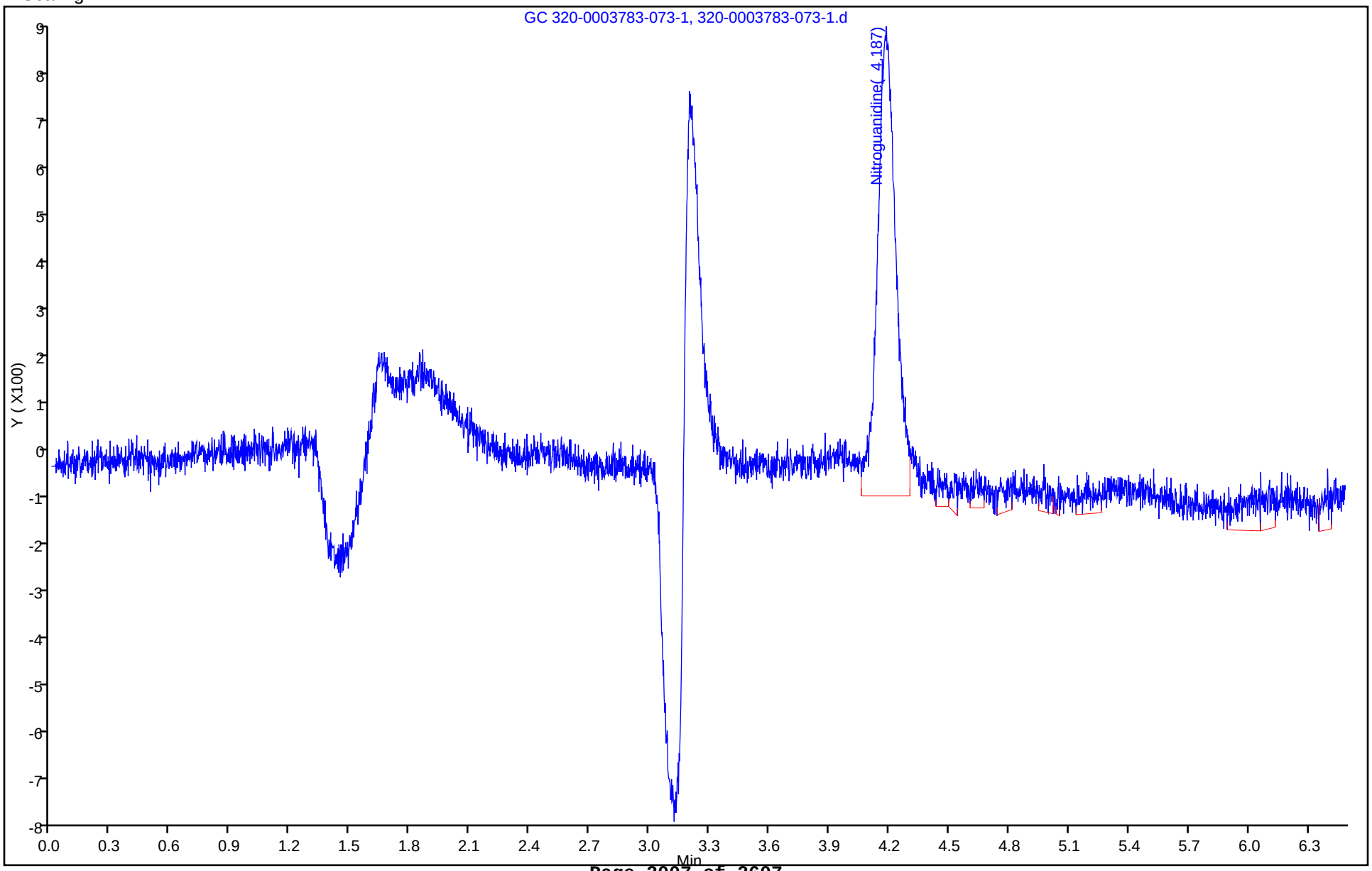
Report Date: 10-Apr-2013 15:54:55 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-073-1.d

Injection Date:	10-Apr-2013 13:36:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	73
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-14050/3 Calibration Date: 04/10/2013 17:28

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	61.80		6.98	5.00	39.2	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-14050/3 Calibration Date: 04/10/2013 17:28

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-003-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.22	4.72

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-003-1.d		
Lims ID:	LODV Q2 2013	Client ID:	
Inject. Date:	10-Apr-2013 17:28:00	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	320-0003819-003 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	3
Detector:	GC 320-0003819-003-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	12-Apr-2013 15:37:43	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK034		

First Level Reviewer: russellk Date: 12-Apr-2013 15:35:56

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.473	4.467	0.006	309	6.98	M

QC Flag Legend

Review Flags
M - Manually Integrated

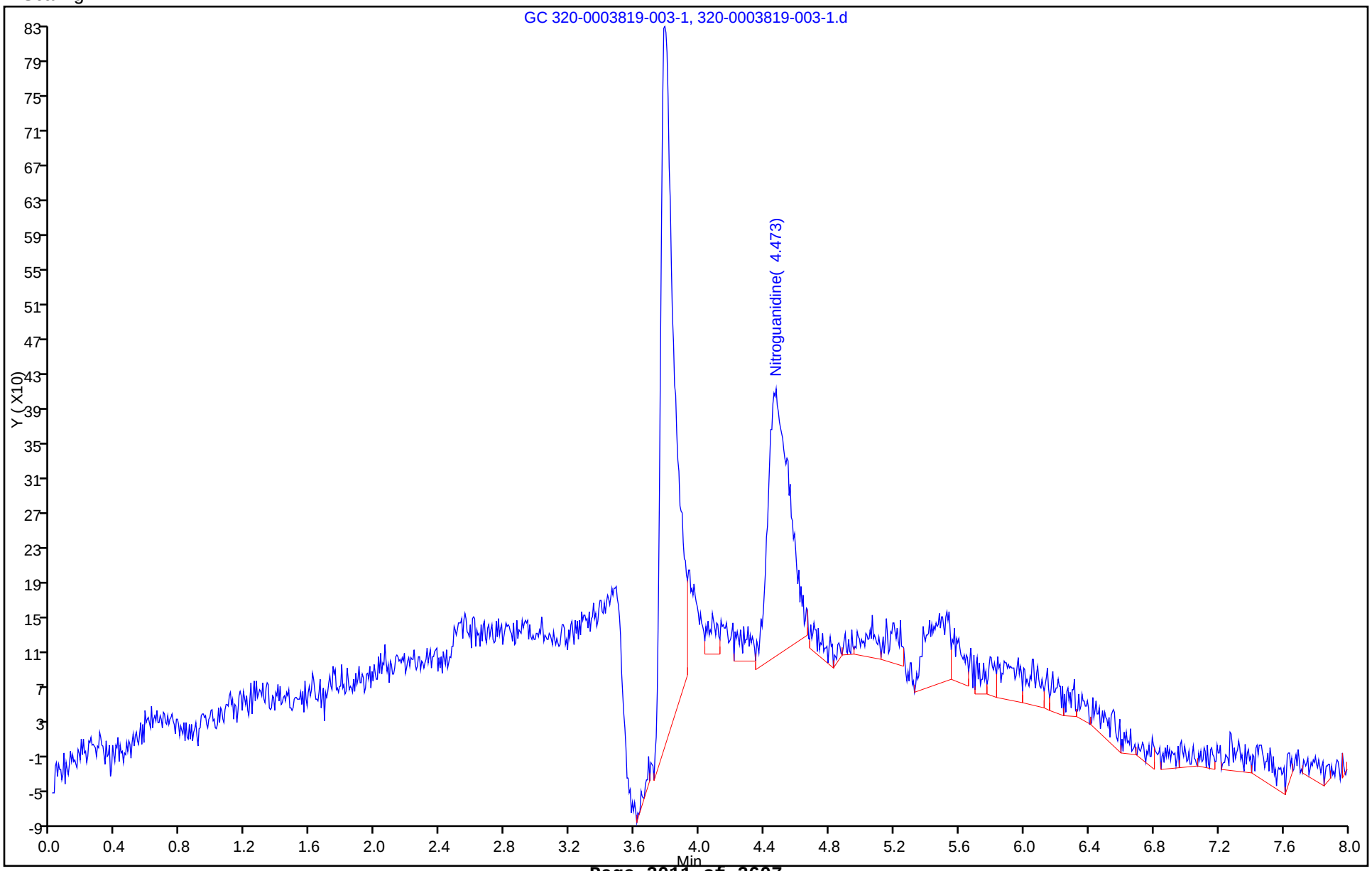
Report Date: 12-Apr-2013 15:37:43 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-003-1.d

Injection Date:	10-Apr-2013 17:28:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



Manual Integration/User Assign Peak Report

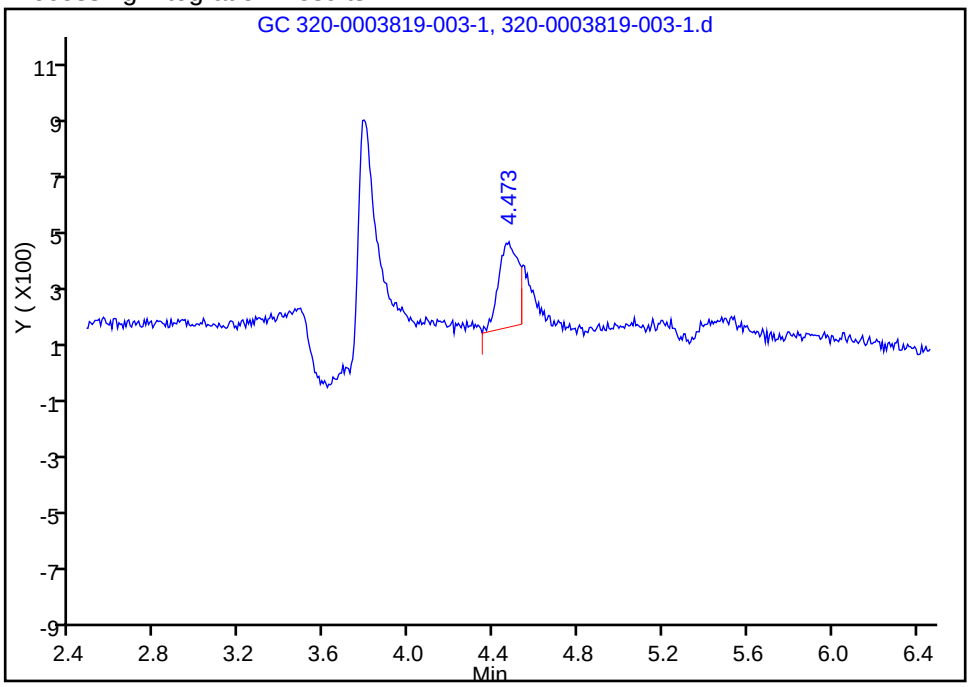
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-003-1.d		
Injection Date:	10-Apr-2013 17:28:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.47

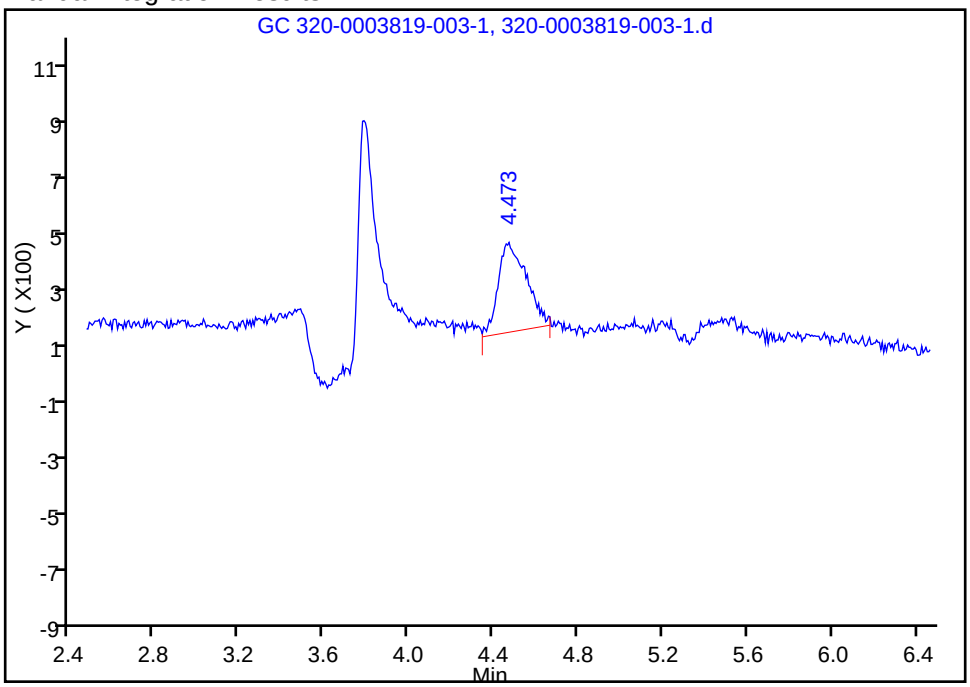
Processing Integration Results

RT: 4.47
Response: 293
Amount: 6.614269



Manual Integration Results

RT: 4.47
Response: 309
Amount: 6.975458



Reviewer: russellk, 12-Apr-2013 15:35:56
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14050/4 Calibration Date: 04/10/2013 17:48

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	45.15		204	200	1.7	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14050/4 Calibration Date: 04/10/2013 17:48

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.22	4.72

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

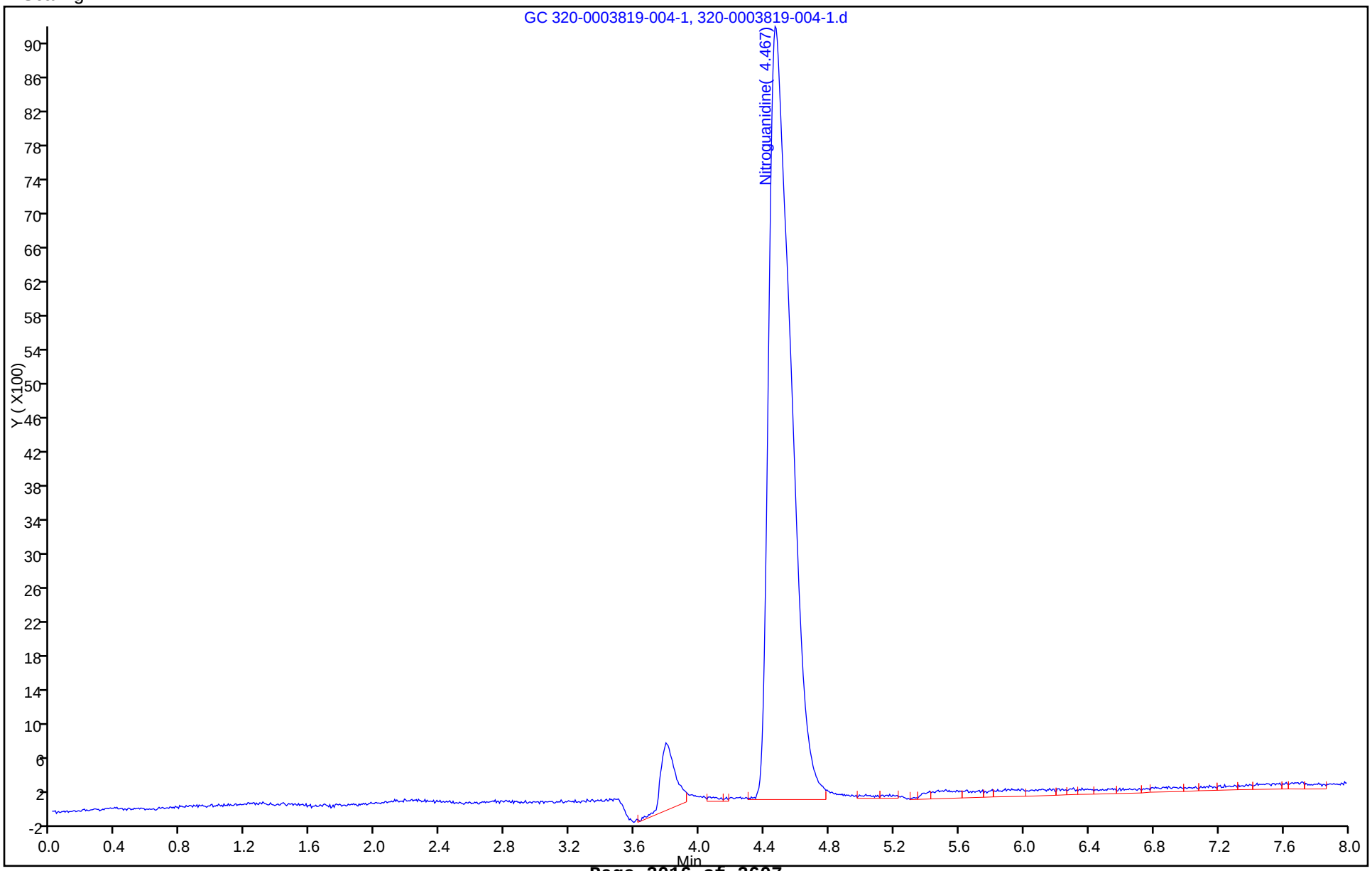
Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-004-1.d		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	10-Apr-2013 17:48:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0003819-004 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	4
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC 320-0003819-004-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	11-Apr-2013 09:36:20	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK005		
First Level Reviewer: russellk		Date:	11-Apr-2013 09:35:49

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.467	4.467	0.0	9029	203.8	

Report Date: 11-Apr-2013 09:36:20 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-004-1.d		
Injection Date:	10-Apr-2013 17:48:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Y Scaling:			



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14050/5 Calibration Date: 04/10/2013 18:08

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-005-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	44.80		20.2	20.0	1.1	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14050/5 Calibration Date: 04/10/2013 18:08

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-005-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.22	4.72

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-005-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	10-Apr-2013 18:08:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003819-005 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	5
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC 320-0003819-005-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	12-Apr-2013 15:37:43	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK034		

First Level Reviewer: russellk Date: 12-Apr-2013 15:37:43

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.467	4.467	0.0	896	20.2	M

QC Flag Legend

Review Flags
M - Manually Integrated

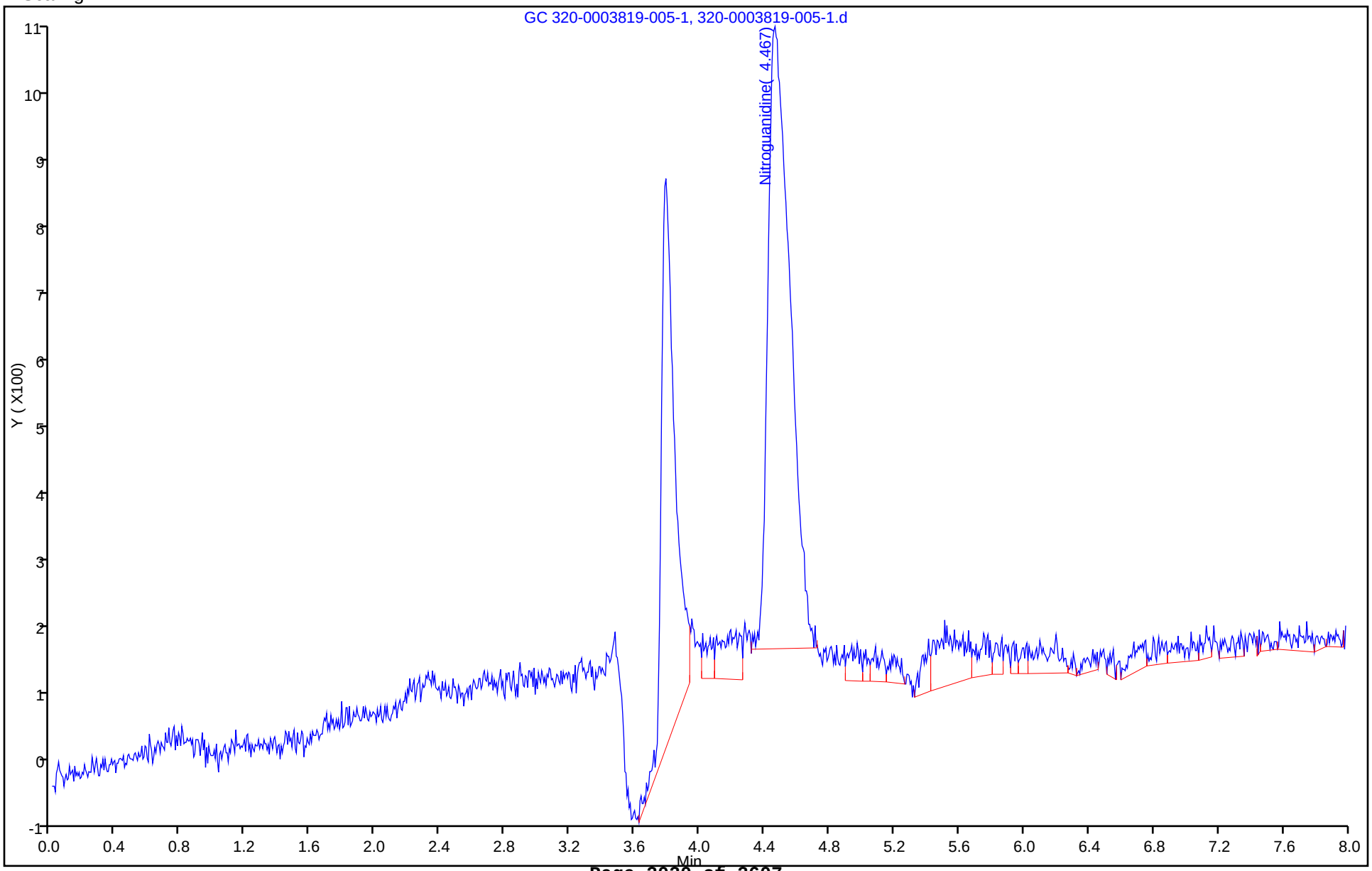
Report Date: 12-Apr-2013 15:37:43 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-005-1.d

Injection Date:	10-Apr-2013 18:08:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



Manual Integration/User Assign Peak Report

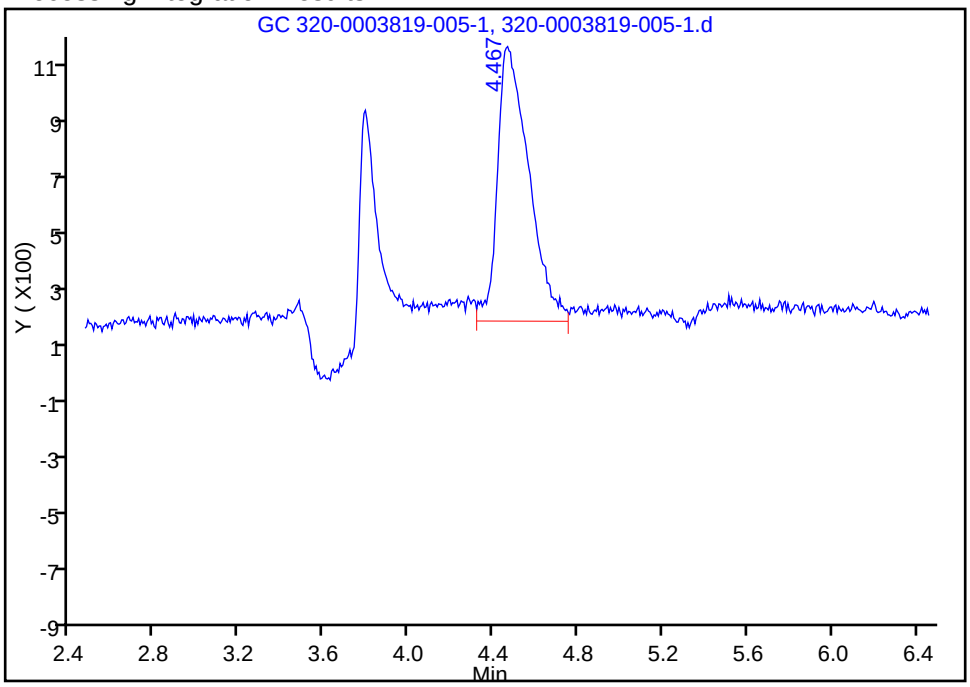
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-005-1.d		
Injection Date:	10-Apr-2013 18:08:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.47

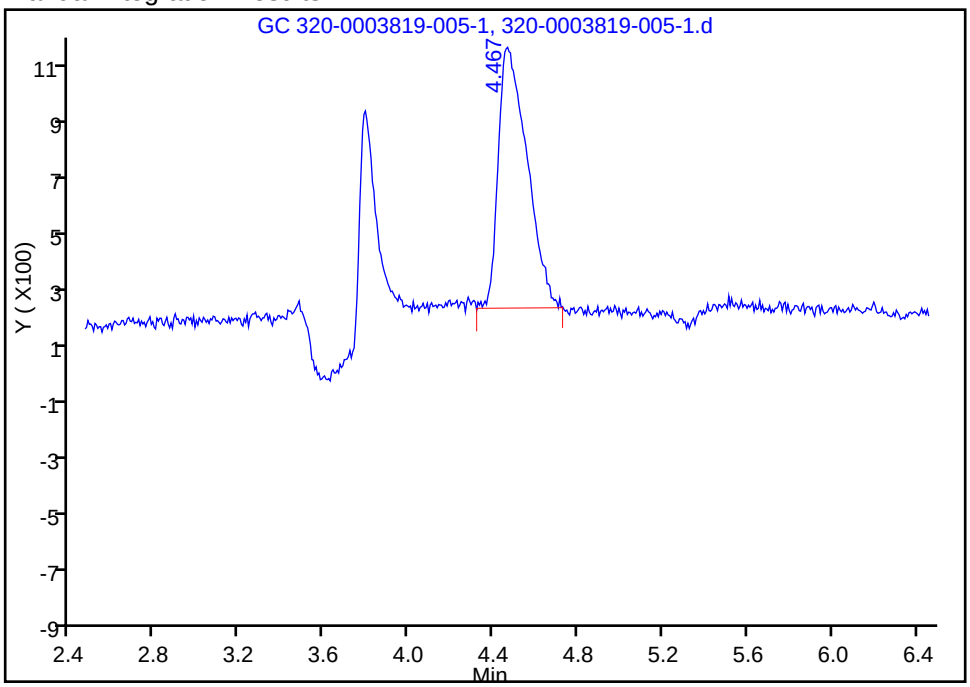
Processing Integration Results

RT: 4.47
Response: 943
Amount: 21.287563



Manual Integration Results

RT: 4.47
Response: 896
Amount: 20.226571



Reviewer: russellk, 12-Apr-2013 15:37:18
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14050/13 Calibration Date: 04/10/2013 20:47

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-013-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	47.95		108	100	8.0	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14050/13 Calibration Date: 04/10/2013 20:47

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-013-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.40	4.15	4.65

Form VII 8330 Modified

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-013-1.d		
Lims ID:	CCV 04	Client ID:	
Inject. Date:	10-Apr-2013 20:47:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0003819-013 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	13
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC 320-0003819-013-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	11-Apr-2013 09:38:32	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK005		

First Level Reviewer: russellk Date: 11-Apr-2013 09:38:32

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.400	4.400	0.0	4795	108.2	

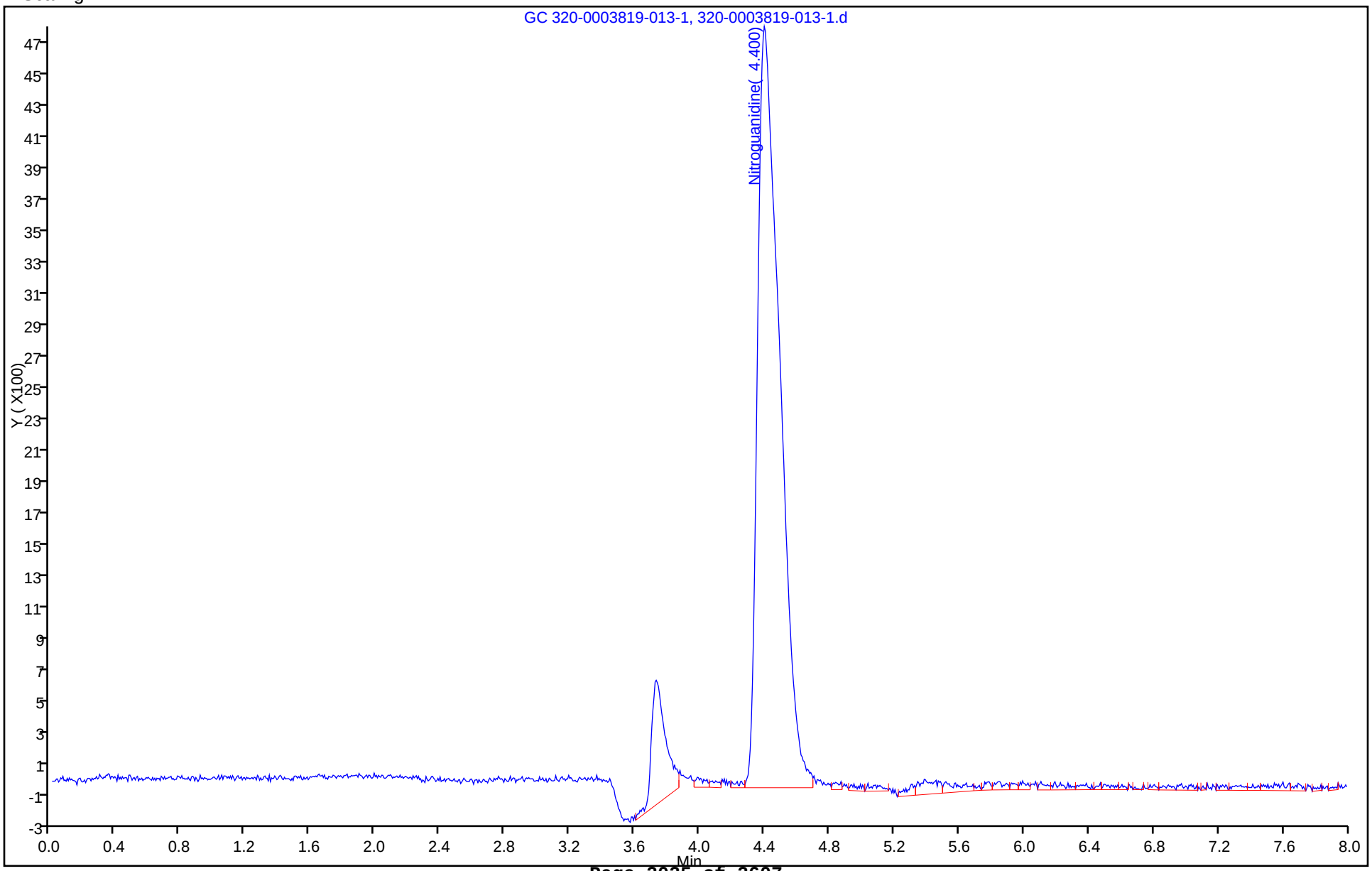
Report Date: 11-Apr-2013 09:38:32 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-013-1.d

Injection Date:	10-Apr-2013 20:47:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14050/14 Calibration Date: 04/10/2013 21:07

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-014-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	46.20		20.9	20.0	4.3	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14050/14 Calibration Date: 04/10/2013 21:07

Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58

GC Column: Hydro RP80A 4 ID: 4.00(mm) Calib End Date: 10/19/2012 17:37

Lab File ID: 320-0003819-014-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.41	4.16	4.66

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-014-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	10-Apr-2013 21:07:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003819-014 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	14
Sublist:	chrom-NQ CONFIRMATION*sub1		
Detector:	GC 320-0003819-014-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	11-Apr-2013 09:38:50	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK005		

First Level Reviewer: russellk Date: 11-Apr-2013 09:38:50

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.407	4.407	0.0	924	20.9	

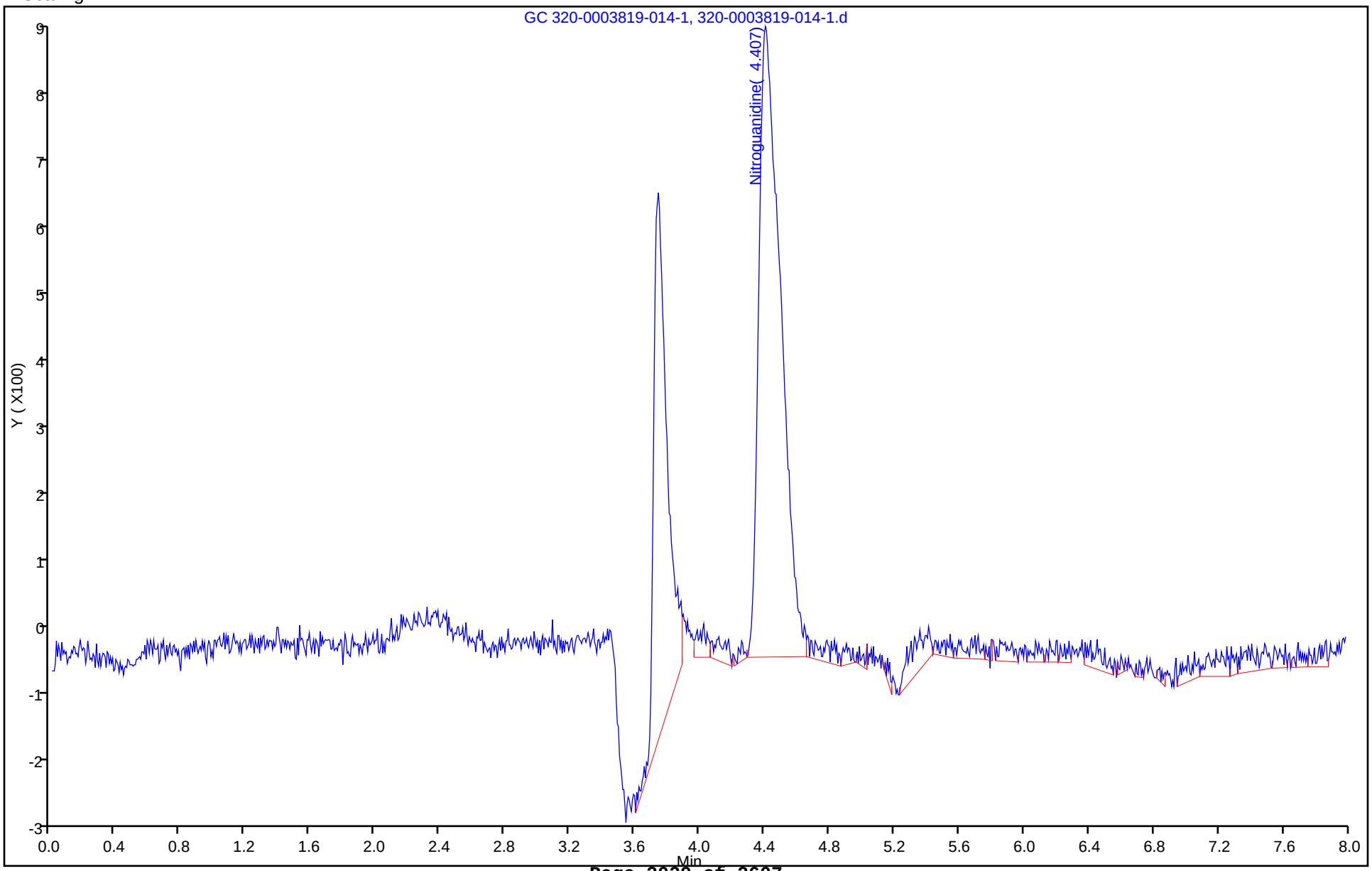
Report Date: 11-Apr-2013 09:38:50 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-014-1.d

Injection Date:	10-Apr-2013 21:07:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	14
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-13711/1-A

Matrix: Solid Lab File ID: 320-0003783-048-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.00(g) Date Analyzed: 04/10/2013 06:12

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-048-1.d		
Lims ID:	MB 320-13711/1-A	Client ID:	
Inject. Date:	10-Apr-2013 06:12:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003783-048 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	48
Detector:	GC 320-0003783-048-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:11:27	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:11:47

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

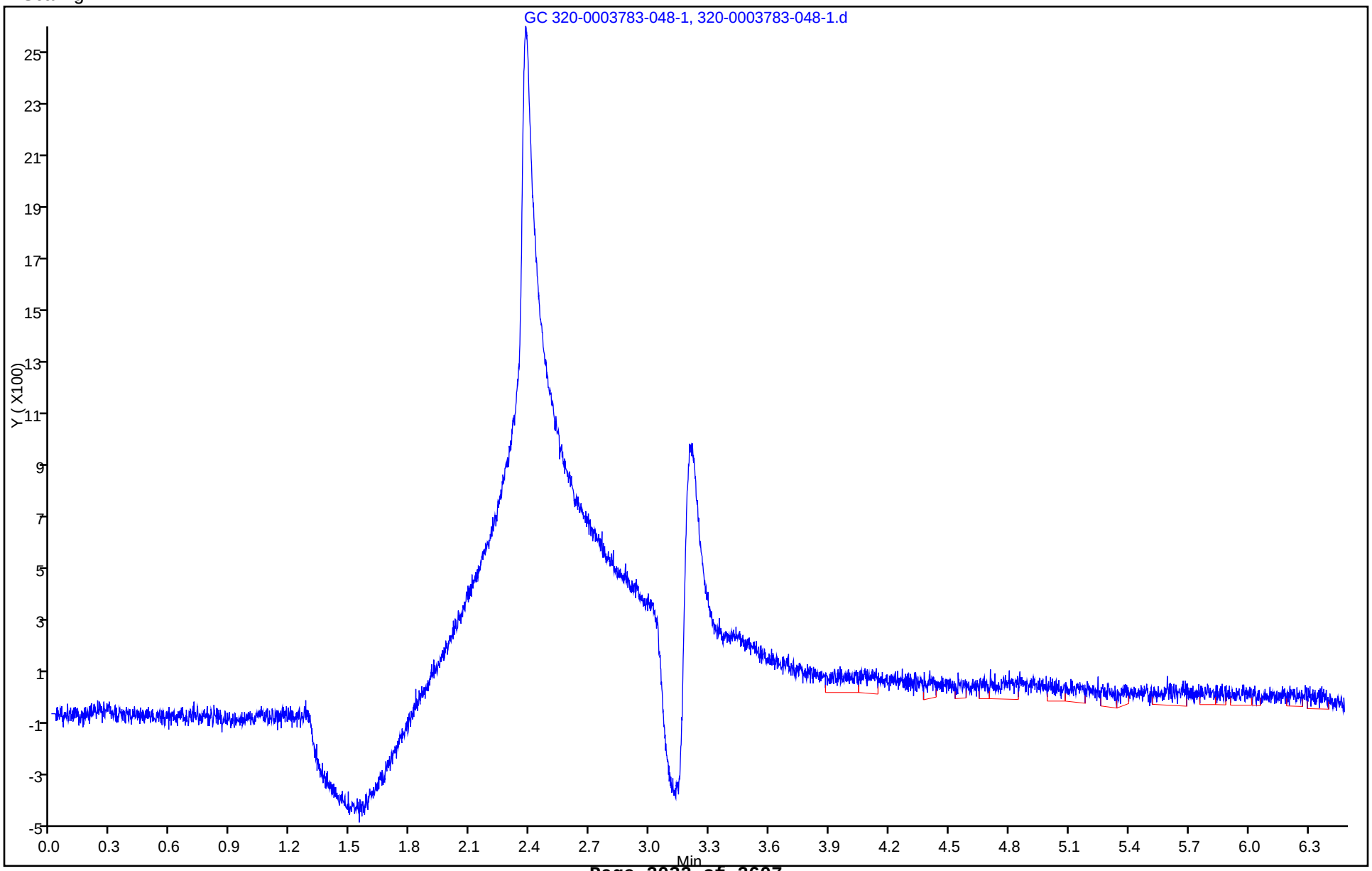
Report Date: 10-Apr-2013 11:11:47 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-048-1.d

Injection Date:	10-Apr-2013 06:12:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	48
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-13711/1-A

Matrix: Solid Lab File ID: 320-0003819-011-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.00(g) Date Analyzed: 04/10/2013 20:07

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14050 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	*Nitroguanidine*	*0.040*	*U*	*0.25*	0.040	*0.020*

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-011-1.d		
Lims ID:	MB 320-13711/1-A	Client ID:	
Inject. Date:	10-Apr-2013 20:07:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003819-011 Analysis		
Misc. Info.:	none PRIMER		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	14050	Lims Sample ID:	11
Detector:	GC 320-0003819-011-1		
Method:	\\SACChrom\ChromData\PDA1\20130410-3819.b\NQ CONFIRMATION.m		
Last Update:	11-Apr-2013 09:36:20	Calib Date:	19-Oct-2012 17:37:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm
Process Host:	XAWRK005		
First Level Reviewer:	russellk	Date:	11-Apr-2013 09:37:47

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

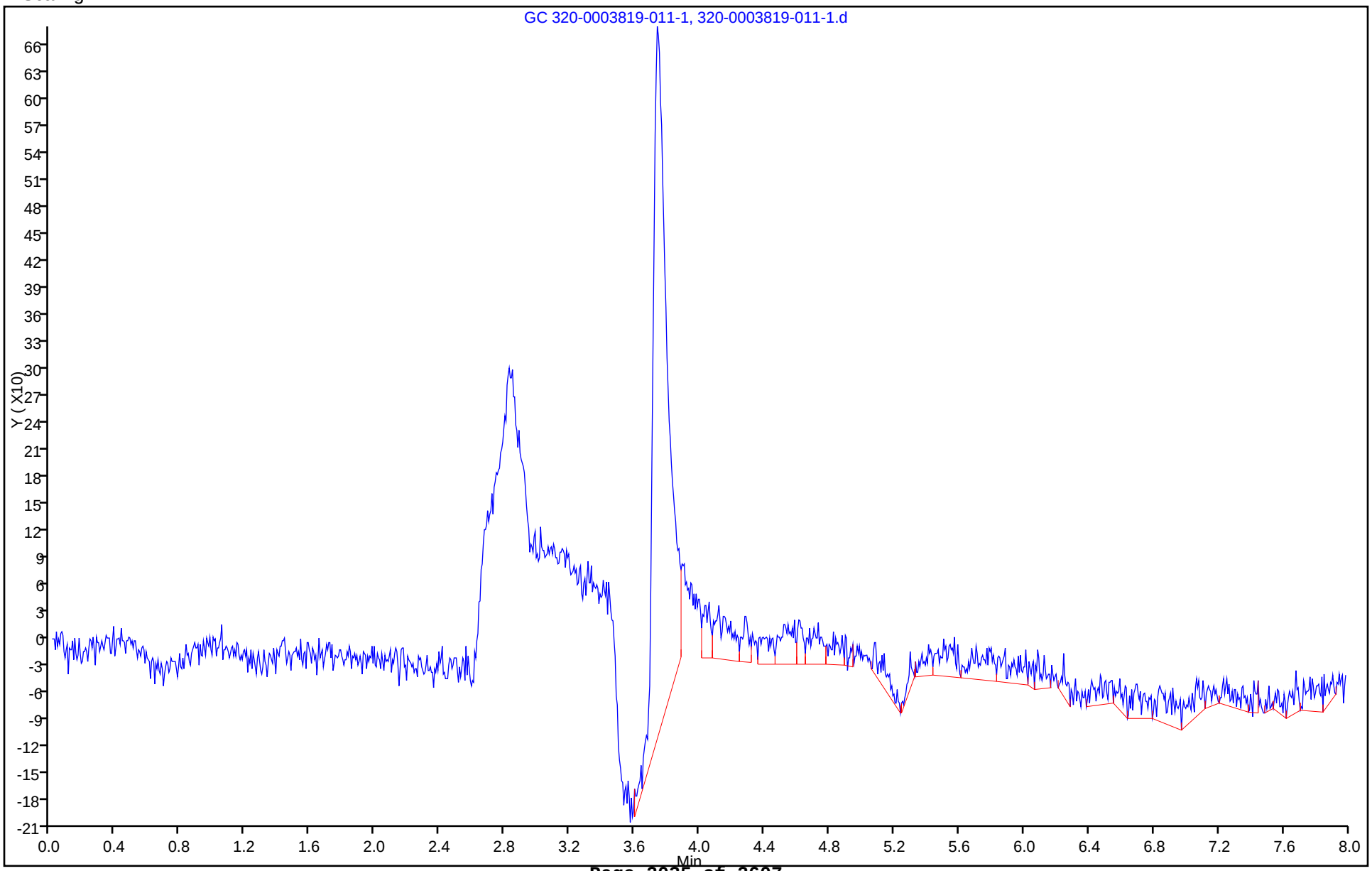
Report Date: 11-Apr-2013 09:37:47 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130410-3819.b\320-0003819-011-1.d

Injection Date:	10-Apr-2013 20:07:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	14050	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-13711/2-A

Matrix: Solid Lab File ID: 320-0003783-049-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 04/05/2013 11:15

Sample wt/vol: 2.00(g) Date Analyzed: 04/10/2013 06:30

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13918 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.902		0.25	0.040	0.020

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-049-1.d		
Lims ID:	LCS 320-13711/2-A	Client ID:	
Inject. Date:	10-Apr-2013 06:30:00	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	320-0003783-049 Analysis		
Misc. Info.:	none PRIMER		
Operator:	KR	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	13918	Lims Sample ID:	49
Detector:	GC 320-0003783-049-1		
Method:	\\SACChrom\ChromData\PDA1\20130409-3783.b\NGu Primary.m		
Last Update:	10-Apr-2013 11:12:01	Calib Date:	09-Apr-2013 14:50:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20130409-3774.b\320-0003774-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 11:12:01

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.187	4.203	-0.016	7384	180.3	

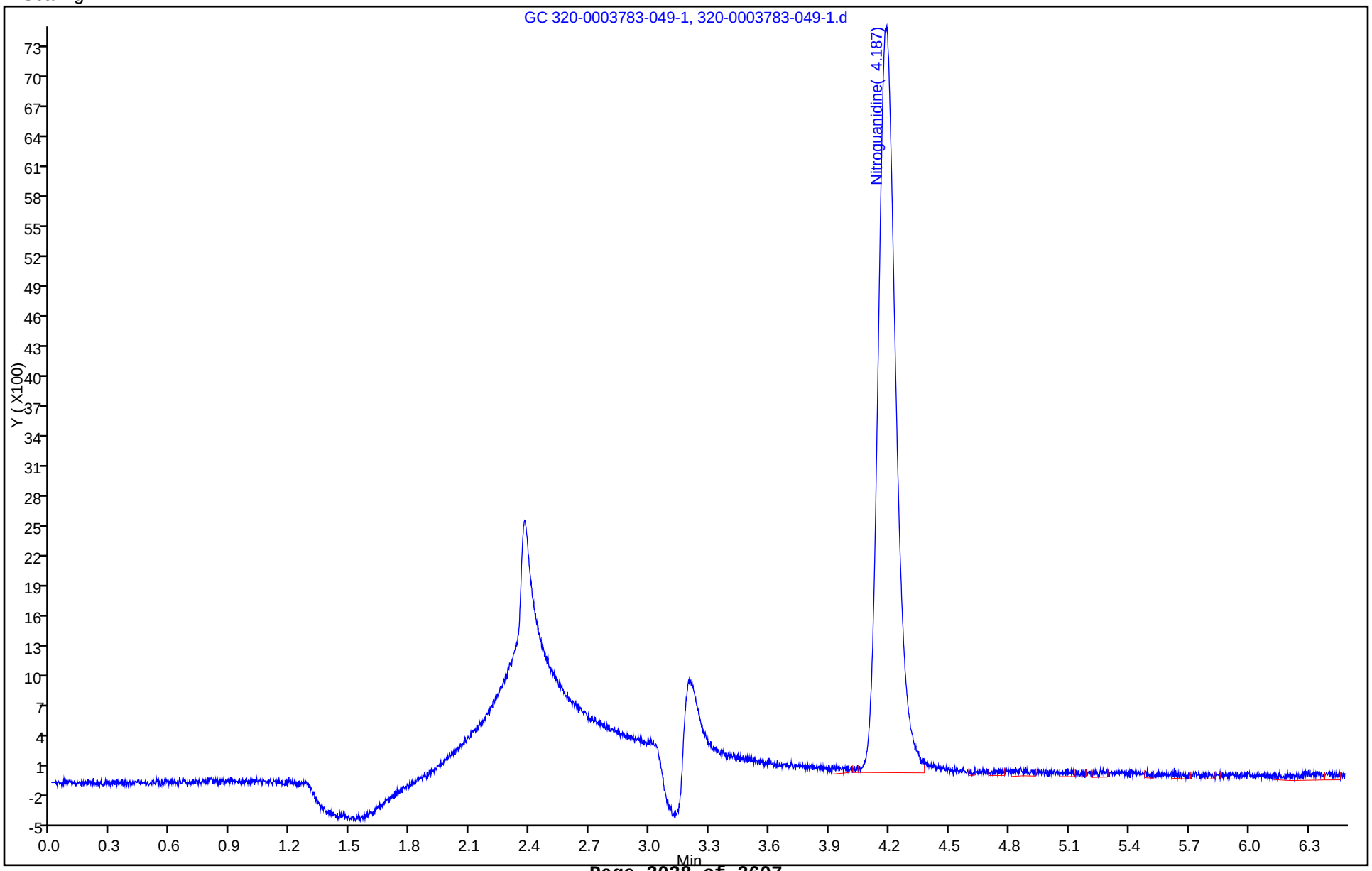
Report Date: 10-Apr-2013 11:12:01 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130409-3783.b\320-0003783-049-1.d

Injection Date:	10-Apr-2013 06:30:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	13918	Lims Sample ID:	49
Operator ID:	KR	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Start Date: 10/19/2012 14:58

Analysis Batch Number: 4779 End Date: 10/19/2012 18:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/19/2012 14:58	1		Hydro RP80A 4 4(mm)
ZZZZZ		10/19/2012 15:18	1		Hydro RP80A 4 4(mm)
EB 320-4779/3 ICB		10/19/2012 15:38	1		Hydro RP80A 4 4(mm)
STD02 320-4779/4 IC		10/19/2012 15:58	1	HPNQL2_00003002-1.d	Hydro RP80A 4 4(mm)
STD03 320-4779/5 IC		10/19/2012 16:18	1	HPNQL3_00003001-1.d	Hydro RP80A 4 4(mm)
STD04 320-4779/6 IC		10/19/2012 16:37	1	HPNQL4_00003001-1.d	Hydro RP80A 4 4(mm)
STD05 320-4779/7 IC		10/19/2012 16:57	1	HPNQL5_00003001-1.d	Hydro RP80A 4 4(mm)
STD06 320-4779/8 IC		10/19/2012 17:17	1	HPNQL6_00003001-1.d	Hydro RP80A 4 4(mm)
STD07 320-4779/9 IC		10/19/2012 17:37	1	HPNQL7_00003001-1.d	Hydro RP80A 4 4(mm)
EB 320-4779/10 CCB		10/19/2012 17:57	1		Hydro RP80A 4 4(mm)
ICV 320-4779/11		10/19/2012 18:17	1	HPNQIC_00002;002-1.d	Hydro RP80A 4 4(mm)
LODV 320-4779/12		10/19/2012 18:36	1		Hydro RP80A 4 4(mm)
CCVL 320-4779/13		10/19/2012 18:56	1		Hydro RP80A 4 4(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Start Date: 04/09/2013 13:03

Analysis Batch Number: 13890 End Date: 04/09/2013 16:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/09/2013 13:03	1		Luna NH2 4.6(mm)
STD02 320-13890/4 IC		04/09/2013 13:21	1	320-0003774-004 -1.d	Luna NH2 4.6(mm)
STD03 320-13890/5 IC		04/09/2013 13:39	1	320-0003774-005 -1.d	Luna NH2 4.6(mm)
STD04 320-13890/6 IC		04/09/2013 13:56	1	320-0003774-006 -1.d	Luna NH2 4.6(mm)
STD05 320-13890/7 IC		04/09/2013 14:14	1	320-0003774-007 -1.d	Luna NH2 4.6(mm)
STD06 320-13890/8 IC		04/09/2013 14:32	1	320-0003774-008 -1.d	Luna NH2 4.6(mm)
STD07 320-13890/9 IC		04/09/2013 14:50	1	320-0003774-009 -1.d	Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 15:08	1		Luna NH2 4.6(mm)
ICV 320-13890/11		04/09/2013 15:25	1	320-0003774-011 -1.d	Luna NH2 4.6(mm)
LODV 320-13890/12		04/09/2013 15:43	1	320-0003774-012 -1.d	Luna NH2 4.6(mm)
CCVL 320-13890/13		04/09/2013 16:01	1	320-0003774-013 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Start Date: 04/09/2013 16:19

Analysis Batch Number: 13918 End Date: 04/10/2013 13:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/09/2013 16:19	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 16:36	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 16:54	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 17:12	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 17:30	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 17:47	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 18:05	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 18:23	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 18:41	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 18:58	1		Luna NH2 4.6(mm)
CCV 320-13918/11 CCVRT		04/09/2013 19:16	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 19:34	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 19:52	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 20:09	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 20:27	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 20:45	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 21:02	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 21:20	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 21:38	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 21:56	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 22:13	1		Luna NH2 4.6(mm)
CCV 320-13918/22 CCVRT		04/09/2013 22:31	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 22:49	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 23:07	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 23:24	1		Luna NH2 4.6(mm)
ZZZZZ		04/09/2013 23:42	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 00:00	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 00:18	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 00:35	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 00:53	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 01:11	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 01:29	1		Luna NH2 4.6(mm)
CCV 320-13918/33 CCVRT		04/10/2013 01:46	1		Luna NH2 4.6(mm)
CCVL 320-13918/34		04/10/2013 02:04	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 02:22	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 02:40	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 02:57	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 03:15	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 03:33	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 03:51	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 04:08	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 04:26	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 04:44	1		Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Start Date: 04/09/2013 16:19

Analysis Batch Number: 13918 End Date: 04/10/2013 13:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/10/2013 05:01	1		Luna NH2 4.6(mm)
CCV 320-13918/45 CCVRT		04/10/2013 05:19	1	320-0003783-045 -1.d	Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 05:37	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 05:55	1		Luna NH2 4.6(mm)
MB 320-13711/1-A		04/10/2013 06:12	1	320-0003783-048 -1.d	Luna NH2 4.6(mm)
LCS 320-13711/2-A		04/10/2013 06:30	1	320-0003783-049 -1.d	Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 06:48	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 07:06	1		Luna NH2 4.6(mm)
240-22488-5	079SB-0130M-0001-SO	04/10/2013 07:23	1	320-0003783-052 -1.d	Luna NH2 4.6(mm)
240-22488-7	079SB-0132M-0001-SO	04/10/2013 07:41	1	320-0003783-053 -1.d	Luna NH2 4.6(mm)
240-22488-11	079SB-0136M-0001-SO	04/10/2013 07:59	1	320-0003783-054 -1.d	Luna NH2 4.6(mm)
240-22488-18	079SB-0144M-0001-SO	04/10/2013 08:17	1	320-0003783-055 -1.d	Luna NH2 4.6(mm)
CCV 320-13918/56 CCVRT		04/10/2013 08:34	1	320-0003783-056 -1.d	Luna NH2 4.6(mm)
240-22488-23	079SS-0053M-0001-SO	04/10/2013 08:52	1	320-0003783-057 -1.d	Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 09:10	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 09:28	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 09:45	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 10:03	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 10:21	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 10:38	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 10:56	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 11:14	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 11:32	1		Luna NH2 4.6(mm)
CCV 320-13918/67 CCVRT		04/10/2013 11:49	1	320-0003783-067 -1.d	Luna NH2 4.6(mm)
CCVL 320-13918/68		04/10/2013 12:07	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 12:25	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 12:43	1		Luna NH2 4.6(mm)
ZZZZZ		04/10/2013 13:00	1		Luna NH2 4.6(mm)
CCV 320-13918/72 CCVRT		04/10/2013 13:18	1		Luna NH2 4.6(mm)
CCVL 320-13918/73		04/10/2013 13:36	1	320-0003783-073 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: PDA1 Start Date: 04/10/2013 17:28

Analysis Batch Number: 14050 End Date: 04/10/2013 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LODV 320-14050/3		04/10/2013 17:28	1	320-0003819-003 -1.d	Hydro RP80A 4 4(mm)
CCV 320-14050/4		04/10/2013 17:48	1	320-0003819-004 -1.d	Hydro RP80A 4 4(mm)
CCVL 320-14050/5		04/10/2013 18:08	1	320-0003819-005 -1.d	Hydro RP80A 4 4(mm)
ZZZZZ		04/10/2013 18:28	1		Hydro RP80A 4 4(mm)
ZZZZZ		04/10/2013 18:48	1		Hydro RP80A 4 4(mm)
ZZZZZ		04/10/2013 19:08	1		Hydro RP80A 4 4(mm)
ZZZZZ		04/10/2013 19:27	1		Hydro RP80A 4 4(mm)
ZZZZZ		04/10/2013 19:47	1		Hydro RP80A 4 4(mm)
MB 320-13711/1-A		04/10/2013 20:07	1	320-0003819-011 -1.d	Hydro RP80A 4 4(mm)
240-22488-23	079SS-0053M-0001-SO	04/10/2013 20:27	1	320-0003819-012 -1.d	Hydro RP80A 4 4(mm)
CCV 320-14050/13		04/10/2013 20:47	1	320-0003819-013 -1.d	Hydro RP80A 4 4(mm)
CCVL 320-14050/14		04/10/2013 21:07	1	320-0003819-014 -1.d	Hydro RP80A 4 4(mm)

8330 Modified

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13711 Batch Start Date: 04/05/13 11:15 Batch Analyst: Arauz, Horacio

Batch Method: Sieve/Ultrasoni Batch End Date: 04/08/13 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-13711/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL				
LCS 320-13711/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL	40 uL			
240-22488-F-5	079SB-0130M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.02 g	10.00 mL				
240-22488-F-7	079SB-0132M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.01 g	10.00 mL				
240-22488-F-11	079SB-0136M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.09 g	10.00 mL				
240-22488-F-18	079SB-0144M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.05 g	10.00 mL				
240-22488-F-23	079SS-0053M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.99 g	10.00 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13711 Batch Start Date: 04/05/13 11:15 Batch Analyst: Arauz, Horacio

Batch Method: Sieve/Ultrasoni Batch End Date: 04/08/13 11:45

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Date of Clean up	4/8/13
Analyst performed Clean Up	GB
Filter Lot #	R2SA72748
Filter Type	.45um Millipore
Person's name who witnessed reagent drop	JER
Blank Sand Lot #	FISHER 120571
Sonication End Date	4-05-13
Sonication Start Date	4-05-13
Sonication Start Time	13:00
Sonication Stop Time	7:00
SOP Number	WS-LC-0010
Maximum Temperature	21 Degrees C
Minimum Temperature	11 Degrees C

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 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm) GC Column (2): Zorbax CN 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #	DNT2 #
079SB-0130M-0001-SO	240-22488-5	92	
079SB-0130M-0001-SO	240-22488-5		111
079SB-0132M-0001-SO	240-22488-7	93	
079SB-0132M-0001-SO	240-22488-7		104
079SB-0136M-0001-SO	240-22488-11	92	
079SB-0136M-0001-SO	240-22488-11		730 Q
079SB-0144M-0001-SO	240-22488-18	91	
079SB-0144M-0001-SO	240-22488-18		114
079SS-0053M-0001-SO	240-22488-23	91	
079SS-0053M-0001-SO	240-22488-23		106
	MB 320-13607/1-A	92	
	MB 320-13607/1-A		114 M
	MB 320-13728/1-A	94	
	MB 320-13728/1-A		117 M
	LCS 320-13607/2-A	93	
	LCS 320-13728/2-A	93	
079SB-0130M-0001-SO MS	240-22488-5 MS	93	
079SB-0130M-0001-SO MSD	240-22488-5 MSD	93	

	QC LIMITS
DNT = 3,4-Dinitrotoluene	78-118

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K-000016.D

Lab ID: LCS 320-13607/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.442	88	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.445	89	81-121	
1,3-Dinitrobenzene	0.500	0.455	91	81-121	
2,4-Dinitrotoluene	0.500	0.456	91	79-119	
2,6-Dinitrotoluene	0.500	0.446	89	79-119	
HMX	0.500	0.474	95	80-120	
Nitrobenzene	0.500	0.453	91	80-120	
Nitroglycerin	1.00	0.932	93	76-116	
2-Nitrotoluene	0.500	0.492	98	78-118	
3-Nitrotoluene	0.500	0.491	98	77-117	
4-Nitrotoluene	0.500	0.485	97	78-118	
PETN	1.00	0.916	92	76-116	
RDX	0.500	0.462	92	82-122	
Tetryl	0.500	0.370	74	63-120	
1,3,5-Trinitrobenzene	0.500	0.456	91	81-121	
2,4,6-Trinitrotoluene	0.500	0.400	80	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K-000007.D

Lab ID: LCS 320-13728/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.443	89	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.445	89	81-121	
1,3-Dinitrobenzene	0.500	0.456	91	81-121	
2,4-Dinitrotoluene	0.500	0.458	92	79-119	
2,6-Dinitrotoluene	0.500	0.448	90	79-119	
HMX	0.500	0.471	94	80-120	
Nitrobenzene	0.500	0.457	91	80-120	
Nitroglycerin	1.00	0.912	91	76-116	
2-Nitrotoluene	0.500	0.491	98	78-118	
3-Nitrotoluene	0.500	0.486	97	77-117	
4-Nitrotoluene	0.500	0.485	97	78-118	
PETN	1.00	0.912	91	76-116	
RDX	0.500	0.466	93	82-122	
Tetryl	0.500	0.372	74	63-120	
1,3,5-Trinitrobenzene	0.500	0.460	92	81-121	
2,4,6-Trinitrotoluene	0.500	0.400	80	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K-000023.D

Lab ID: 240-22488-5 MS Client ID: 079SB-0130M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.496	0.050 U	0.435	88	79-119	
4-Amino-2,6-dinitrotoluene	0.496	0.050 U	0.421	85	81-121	
1,3-Dinitrobenzene	0.496	0.050 U	0.459	92	81-121	
2,4-Dinitrotoluene	0.496	0.027 J	0.462	88	79-119	
2,6-Dinitrotoluene	0.496	0.050 U	0.449	90	79-119	
HMX	0.496	0.050 U	0.460	93	80-120	
Nitrobenzene	0.496	0.050 U	0.463	93	80-120	
Nitroglycerin	0.992	0.25 U	0.921	93	76-116	M
2-Nitrotoluene	0.496	0.050 U	0.489	99	78-118	
3-Nitrotoluene	0.496	0.050 U	0.495	100	77-117	
4-Nitrotoluene	0.496	0.050 U	0.486	98	78-118	
PETN	0.992	0.25 U	0.917	92	76-116	
RDX	0.496	0.050 U	0.421	85	82-122	
Tetryl	0.496	0.011 J	0.384	75	63-120	
1,3,5-Trinitrobenzene	0.496	0.050 U	0.502	101	81-121	
2,4,6-Trinitrotoluene	0.496	0.050 U	0.400	81	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K-000024.D

Lab ID: 240-22488-5 MSD Client ID: 079SB-0130M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.498	0.437	88	0	20	79-119	
4-Amino-2,6-dinitrotoluene	0.498	0.424	85	1	20	81-121	
1,3-Dinitrobenzene	0.498	0.456	92	1	20	81-121	
2,4-Dinitrotoluene	0.498	0.465	88	1	20	79-119	
2,6-Dinitrotoluene	0.498	0.454	91	1	20	79-119	
HMX	0.498	0.462	93	0	20	80-120	
Nitrobenzene	0.498	0.464	93	0	20	80-120	
Nitroglycerin	0.996	0.898	90	3	20	76-116	M
2-Nitrotoluene	0.498	0.493	99	1	20	78-118	
3-Nitrotoluene	0.498	0.493	99	0	20	77-117	
4-Nitrotoluene	0.498	0.490	98	1	20	78-118	
PETN	0.996	0.908	91	1	20	76-116	M
RDX	0.498	0.419	84	0	20	82-122	
Tetryl	0.498	0.384	75	0	20	63-120	
1,3,5-Trinitrobenzene	0.498	0.505	101	0	20	81-121	
2,4,6-Trinitrotoluene	0.498	0.401	81	0	20	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: MB 320-13607/1-A

Matrix: Solid Date Extracted: 04/04/2013 09:31

Lab File ID:(1) K-000013.D Lab File ID:(2) P000055.D

Date Analyzed:(1) 04/09/2013 03:12 Date Analyzed:(2) 04/18/2013 15:25

Instrument ID:(1) LC11 Instrument ID:(2) LC12

GC Column:(1) Synergi C18 ID: 4.6(mm) GC Column:(2) Zorbax CN ID: 4.6(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-13607/2-A	04/09/2013 06:03	
079SB-0130M-0001-SO	240-22488-5	04/09/2013 11:46	04/18/2013 22:01
079SB-0130M-0001-SO MS	240-22488-5 MS	04/09/2013 12:43	
079SB-0130M-0001-SO MSD	240-22488-5 MSD	04/09/2013 13:40	
079SB-0136M-0001-SO	240-22488-11	04/09/2013 16:31	04/18/2013 23:07
079SB-0144M-0001-SO	240-22488-18	04/09/2013 18:25	04/19/2013 00:14

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: MB 320-13728/1-A

Matrix: Solid Date Extracted: 04/05/2013 12:21

Lab File ID:(1) K-000006.D Lab File ID:(2) P000052.D

Date Analyzed:(1) 04/08/2013 20:32 Date Analyzed:(2) 04/18/2013 12:07

Instrument ID:(1) LC11 Instrument ID:(2) LC12

GC Column:(1) Synergi C18 ID: 4.6(mm) GC Column:(2) Zorbax CN ID: 4.6(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-13728/2-A	04/08/2013 21:29	
079SB-0132M-0001-SO	240-22488-7	04/09/2013 01:17	04/18/2013 13:13
079SS-0053M-0001-SO	240-22488-23	04/09/2013 02:15	04/18/2013 14:19

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-13851/3 Date Analyzed: 04/08/2013 17:41

Instrument ID: LC11 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): K-000003.D Heated Purge: (Y/N) N

Calibration ID: 1035

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				32.50		
UPPER LIMIT				32.75		
LOWER LIMIT				32.25		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-13851/3 CCVRT		04/08/2013 17:41	K-000003.D	32.50		
CCVL 320-13851/4		04/08/2013 18:39	K-000004.D	32.50		
MB 320-13728/1-A		04/08/2013 20:32	K-000006.D	32.49		
LCS 320-13728/2-A		04/08/2013 21:29	K-000007.D	32.50		
240-22488-7	079SB-0132M-0001-SO	04/09/2013 01:17	K-000011.D	32.49		
240-22488-23	079SS-0053M-0001-SO	04/09/2013 02:15	K-000012.D	32.47		
MB 320-13607/1-A		04/09/2013 03:12	K-000013.D	32.46		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-13851/14 Date Analyzed: 04/09/2013 04:09

Instrument ID: LC11 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): K-000014.D Heated Purge: (Y/N) N

Calibration ID: 1035

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				32.48		
UPPER LIMIT				32.73		
LOWER LIMIT				32.23		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-13851/14 CCVRT		04/09/2013 04:09	K-000014.D	32.48		
CCVL 320-13851/15		04/09/2013 05:06	K-000015.D	32.48		
LCS 320-13607/2-A		04/09/2013 06:03	K-000016.D	32.48		
240-22488-5	079SB-0130M-0001-SO	04/09/2013 11:46	K-000022.D	32.47		
240-22488-5 MS	079SB-0130M-0001-SO MS	04/09/2013 12:43	K-000023.D	32.49		
240-22488-5 MSD	079SB-0130M-0001-SO MSD	04/09/2013 13:40	K-000024.D	32.49		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-13851/25 Date Analyzed: 04/09/2013 14:37

Instrument ID: LC11 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): K-000025.D Heated Purge: (Y/N) N

Calibration ID: 1035

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				32.48		
UPPER LIMIT				32.73		
LOWER LIMIT				32.23		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-13851/25 CCVRT		04/09/2013 14:37	K-000025.D	32.48		
CCVL 320-13851/26		04/09/2013 15:34	K-000026.D	32.47		
240-22488-11	079SB-0136M-0001-SO	04/09/2013 16:31	K-000027.D	32.48		
240-22488-18	079SB-0144M-0001-SO	04/09/2013 18:25	K-000029.D	32.48		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-13851/36 Date Analyzed: 04/10/2013 01:04

Instrument ID: LC11 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): K-000036.D Heated Purge: (Y/N) N

Calibration ID: 1035

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				32.46		
UPPER LIMIT				32.71		
LOWER LIMIT				32.21		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-13851/36 CCVRT		04/10/2013 01:04	K-000036.D	32.46		
CCVL 320-13851/37		04/10/2013 02:01	K-000037.D	32.46		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-14569/41 Date Analyzed: 04/18/2013 06:36

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm)

Lab File ID (Standard): P000047.D Heated Purge: (Y/N) N

Calibration ID: 2128

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				38.68		
UPPER LIMIT				38.93		
LOWER LIMIT				38.43		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-14569/41 CCVRT		04/18/2013 06:36	P000047.D	38.68		
CCVL 320-14569/46		04/18/2013 07:42	P000048.D	38.65		
MB 320-13728/1-A		04/18/2013 12:07	P000052.D	38.55		
240-22488-7	079SB-0132M-0001-SO	04/18/2013 13:13	P000053.D	38.69		
240-22488-23	079SS-0053M-0001-SO	04/18/2013 14:19	P000054.D	38.66		
MB 320-13607/1-A		04/18/2013 15:25	P000055.D	38.63		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Sample No.: CCV 320-14569/43 Date Analyzed: 04/18/2013 17:37

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm)

Lab File ID (Standard): P000057.D Heated Purge: (Y/N) N

Calibration ID: 2128

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				38.68		
UPPER LIMIT				38.93		
LOWER LIMIT				38.43		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-14569/43 CCVRT		04/18/2013 17:37	P000057.D	38.68		
240-22488-5	079SB-0130M-0001-SO	04/18/2013 22:01	P000061.D	38.66		
240-22488-11	079SB-0136M-0001-SO	04/18/2013 23:07	P000062.D	38.58		
240-22488-18	079SB-0144M-0001-SO	04/19/2013 00:14	P000063.D	38.68		
CCVL 320-14569/63		04/19/2013 04:38	P000067.D	38.71		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Instrument ID (1): LC11 Instrument ID (2): LC12

Date Analyzed (1): 04/09/2013 01:17 Date Analyzed (2): 04/18/2013 13:13

GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Tetryl	1		30.03	29.70	30.20	0.011		22.8
	2		46.50	46.36	46.86	0.014		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Instrument ID (1): LC11 Instrument ID (2): LC12

Date Analyzed (1): 04/09/2013 16:31 Date Analyzed (2): 04/18/2013 23:07

GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Tetryl	1		30.01	29.71	30.21	0.013		176.7
	2		46.69	46.37	46.87	0.21		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Instrument ID (1): LC11 Instrument ID (2): LC12

Date Analyzed (1): 04/09/2013 18:25 Date Analyzed (2): 04/19/2013 00:14

GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Tetryl	1		30.02	29.71	30.21	0.012		7.5
	2		46.47	46.37	46.87	0.013		

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO | Lab Sample ID: 240-22488-5

Matrix: Solid | Lab File ID: K-000022.D

Analysis Method: 8330B | Date Collected: 03/25/2013 17:35

Extraction Method: 8330B | Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.10(g) | Date Analyzed: 04/09/2013 11:46

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0052
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0072
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.017
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000022.D		
Lims ID:	240-22488-F-5-A	Client ID:	079SB-0130M-0001-SO
Inject. Date:	09-Apr-2013 11:46:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003758-021		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	25
Lims Batch ID:	13851	Lims Sample ID:	21
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	09-Apr-2013 15:12:58	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK024		
First Level Reviewer:	russellk	Date:	09-Apr-2013 15:12:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.321	25.383	-0.062	1738	8.07	
20 Tetryl						
1	30.014	29.953	0.061	151	1.23	
$ 30 3,4-Dinitrotoluene						
1	32.474	32.483	-0.009	4027	57.7	
2	32.477	32.489	-0.012	7926	61.4	

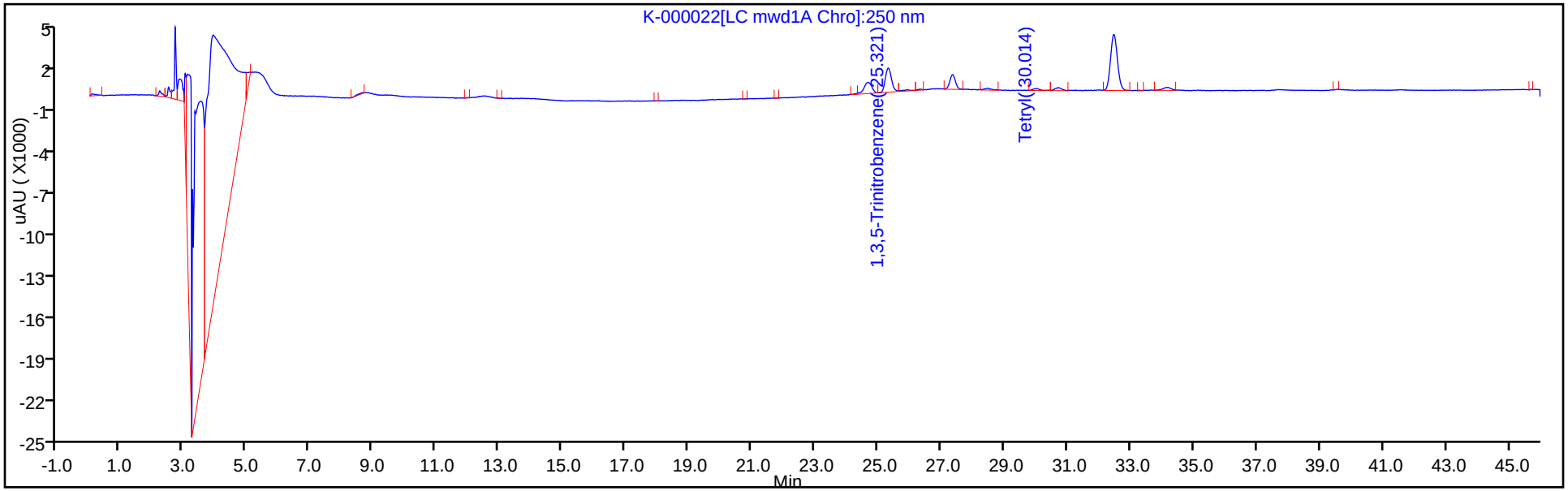
Report Date: 09-Apr-2013 15:12:58 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

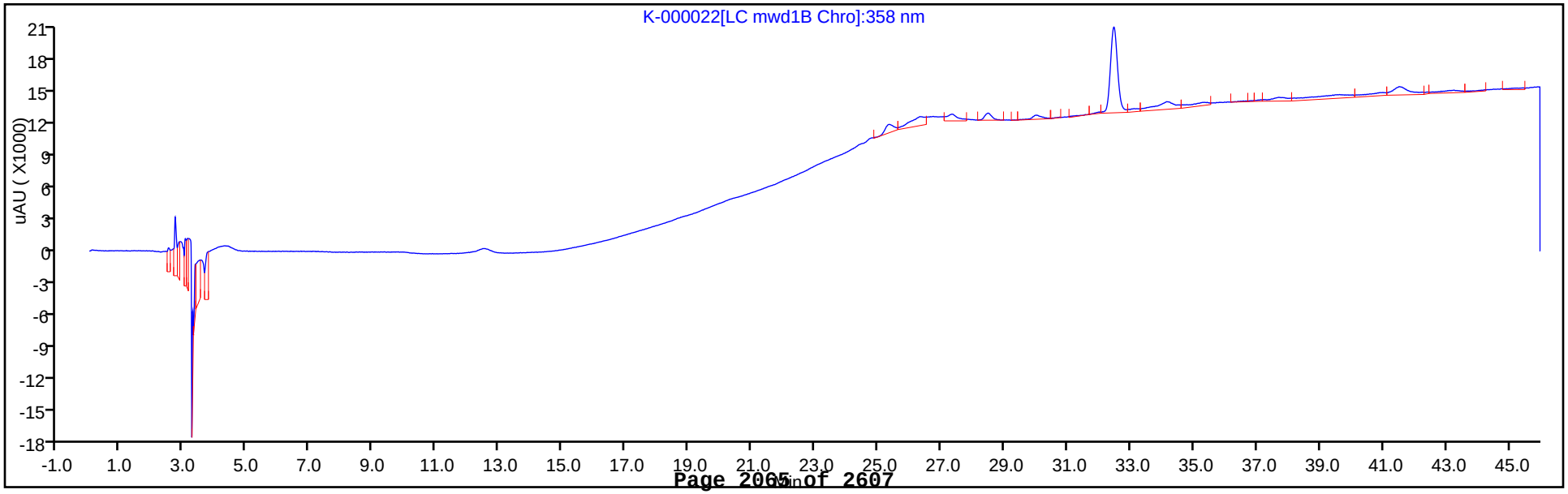
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Injection Date:	09-Apr-2013 11:46:10	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	21
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO Lab Sample ID: 240-22488-5

Matrix: Solid Lab File ID: P000061.D

Analysis Method: 8330B Date Collected: 03/25/2013 17:35

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.10(g) Date Analyzed: 04/18/2013 22:01

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.0099

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	111		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000061.D		
Lims ID:	240-22488-F-5-A	Client ID:	079SB-0130M-0001-SO
Inject. Date:	18-Apr-2013 22:01:38	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003897-057		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	58
Lims Batch ID:	14569	Lims Sample ID:	57
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	19-Apr-2013 06:48:21	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK006		

First Level Reviewer: noonanr Date: 19-Apr-2013 06:48:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	33.342	33.204	0.138	304	3.44	
$ 30 3,4-Dinitrotoluene						
1	38.662	38.681	-0.019	3705	69.4	
20 Tetryl						
1	46.519	46.624	-0.105	159	1.34	

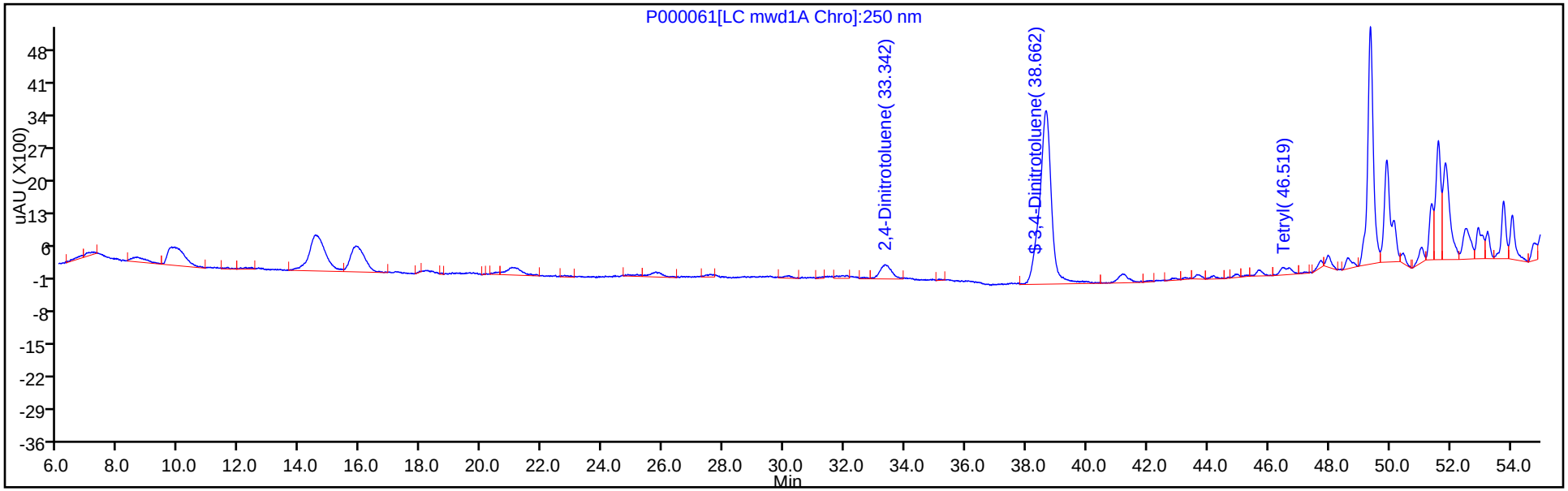
Report Date: 19-Apr-2013 06:48:21 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

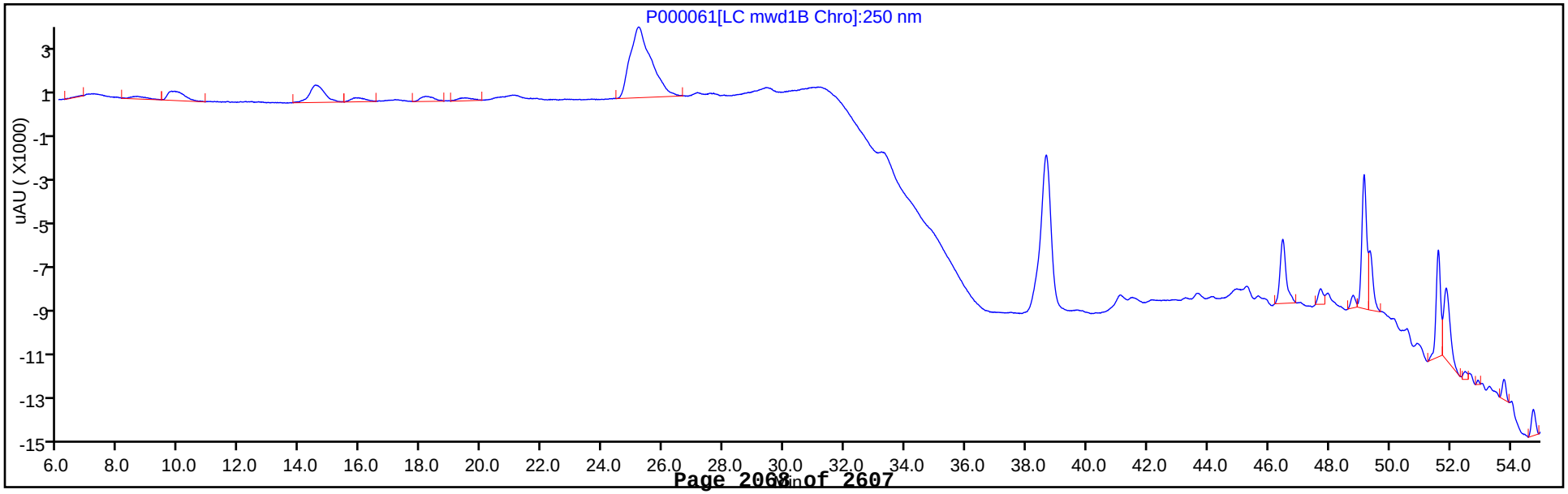
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000061.D

Injection Date:	18-Apr-2013 22:01:38	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0130M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	57
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: K-000011.D

Analysis Method: 8330B Date Collected: 03/25/2013 16:52

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.08(g) Date Analyzed: 04/09/2013 01:17

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0072
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.017
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.011	J	0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000011.D		
Lims ID:	240-22488-F-7-B	Client ID:	079SB-0132M-0001-SO
Inject. Date:	09-Apr-2013 01:17:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003758-011		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	17
Lims Batch ID:	13851	Lims Sample ID:	11
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	09-Apr-2013 09:26:34	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK024		
First Level Reviewer: russellk		Date:	09-Apr-2013 09:26:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.378	25.386	-0.008	345	1.60	
20 Tetryl						
1	30.031	29.946	0.085	170	1.38	
7 Nitroglycerin						
2	30.461	30.416	0.045	798	8.86	
$ 30 3,4-Dinitrotoluene						
1	32.488	32.500	-0.012	4054	58.1	
2	32.484	32.503	-0.019	8091	62.7	

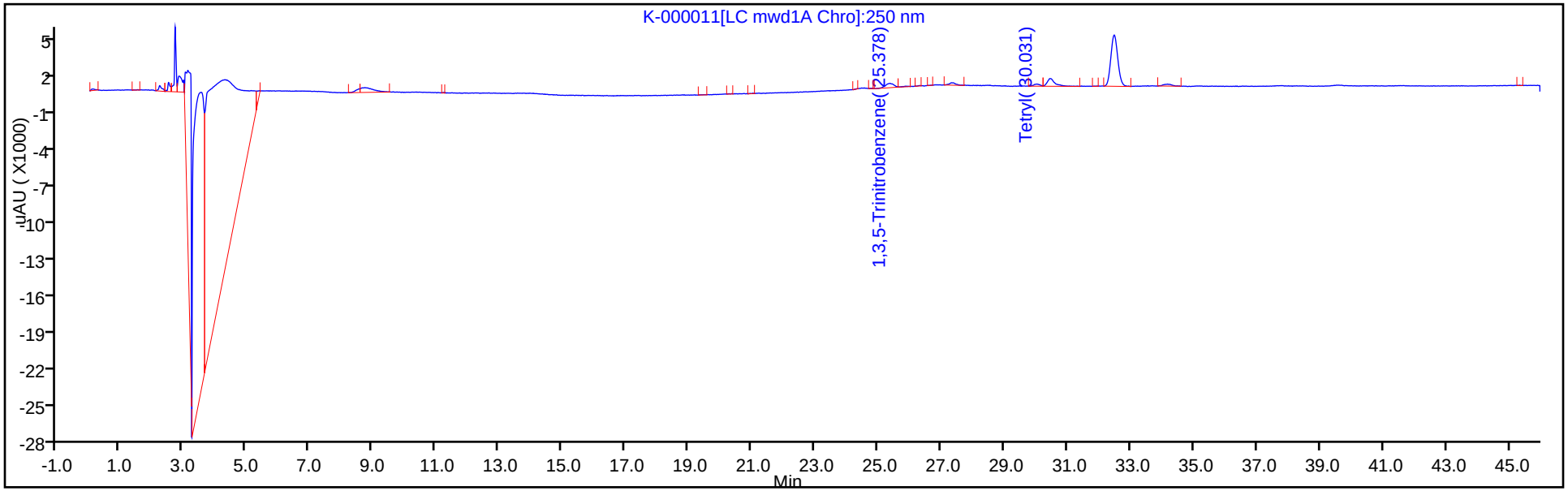
Report Date: 09-Apr-2013 09:26:34 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

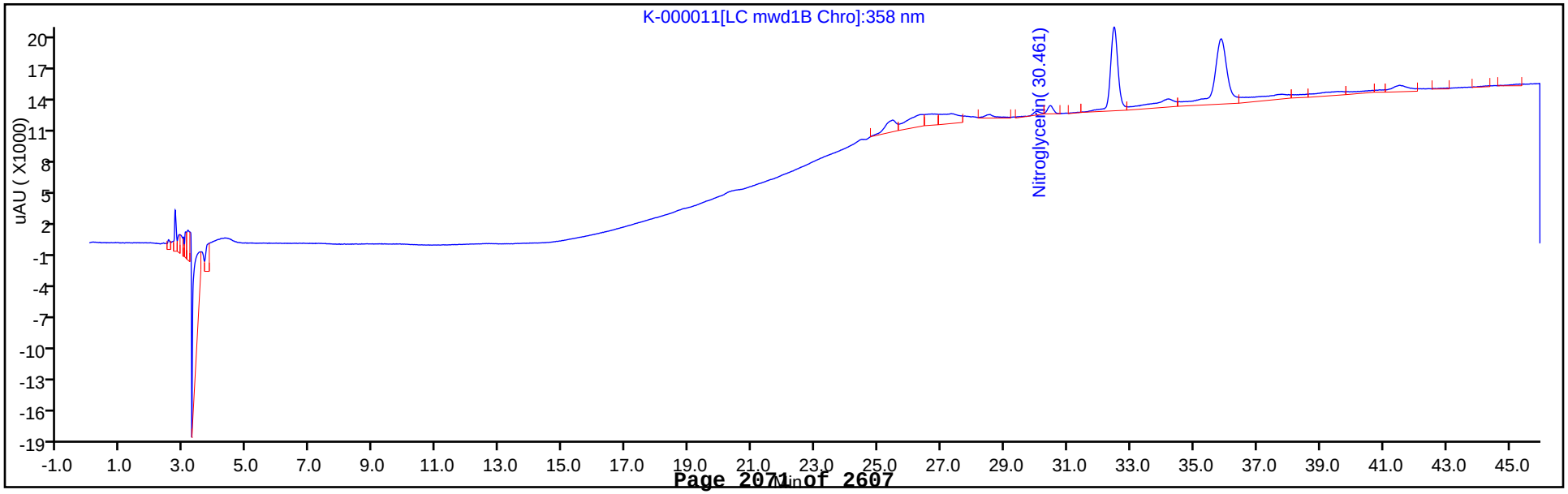
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Injection Date:	09-Apr-2013 01:17:57	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	11
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0132M-0001-SO Lab Sample ID: 240-22488-7

Matrix: Solid Lab File ID: P000053.D

Analysis Method: 8330B Date Collected: 03/25/2013 16:52

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.08(g) Date Analyzed: 04/18/2013 13:13

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.0099

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	104		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000053.D		
Lims ID:	240-22488-F-7-B	Client ID:	079SB-0132M-0001-SO
Inject. Date:	18-Apr-2013 13:13:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003897-050		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	51
Lims Batch ID:	14569	Lims Sample ID:	50
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	18-Apr-2013 14:38:23	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK017		
First Level Reviewer: noonanr		Date:	18-Apr-2013 14:38:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	29.679	29.534	0.145	452	7.12	
15 p-Nitrotoluene						
1	29.679	29.534	0.145	452	7.12	
$ 30 3,4-Dinitrotoluene						
1	38.685	38.648	0.037	3487	65.3	
20 Tetryl						
1	46.502	46.608	-0.106	207	1.74	

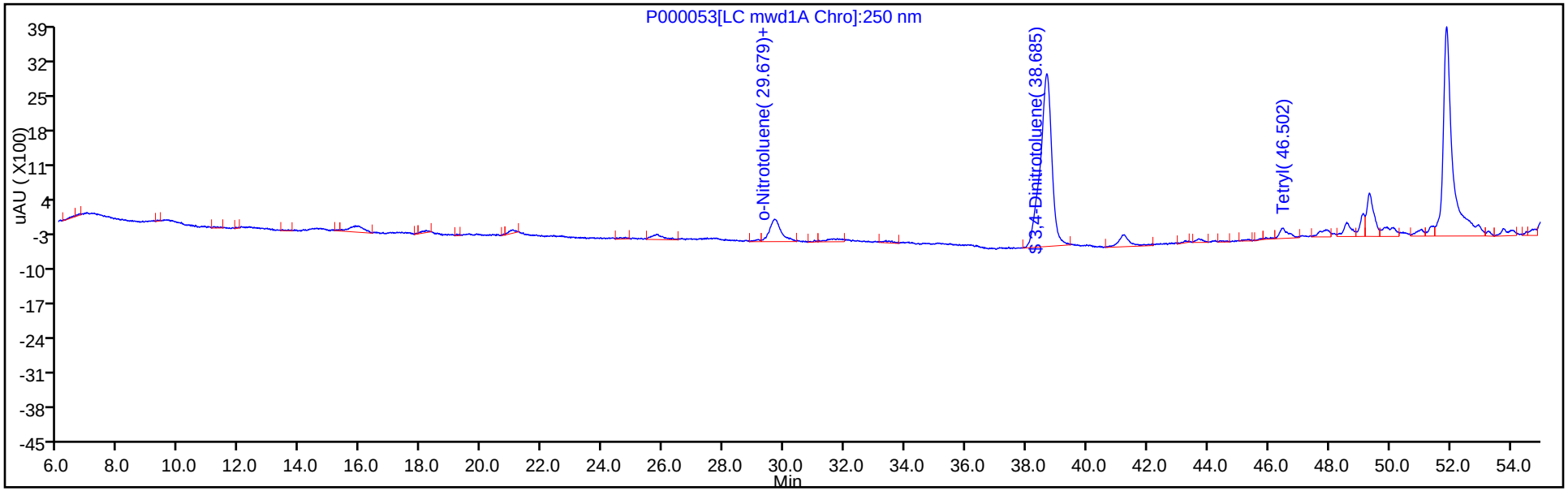
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TestAmerica Sacramento

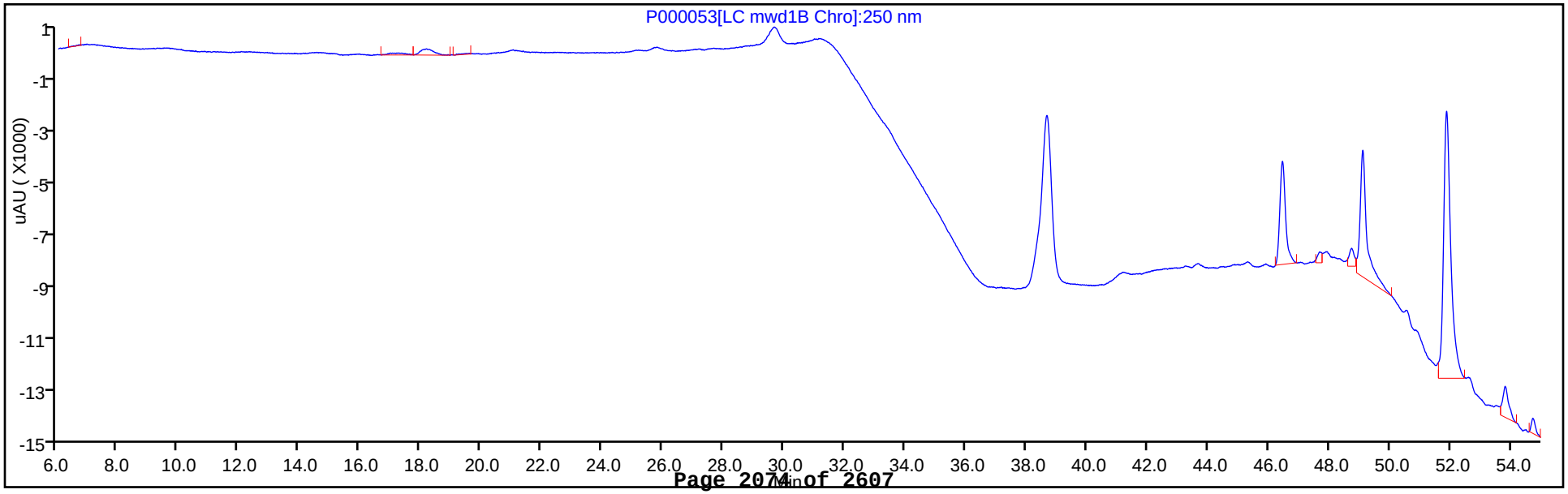
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Injection Date:	18-Apr-2013 13:13:14	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0132M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	50
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO Lab Sample ID: 240-22488-11

Matrix: Solid Lab File ID: K-000027.D

Analysis Method: 8330B Date Collected: 03/25/2013 16:31

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.08(g) Date Analyzed: 04/09/2013 16:31

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0072
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.017
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U M	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.013	J	0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000027.D		
Lims ID:	240-22488-F-11-A	Client ID:	079SB-0136M-0001-SO
Inject. Date:	09-Apr-2013 16:31:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003758-024		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	28
Lims Batch ID:	13851	Lims Sample ID:	24
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 14:45:13	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: russellk Date: 10-Apr-2013 11:59:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.309	25.378	-0.069	1699	7.89	
20 Tetryl						
1	30.005	29.958	0.047	201	1.64	
$ 30 3,4-Dinitrotoluene						
1	32.479	32.471	0.008	4009	57.4	
2	32.475	32.481	-0.006	8185	63.4	
23 2,4-Dinitrotoluene						M
1	34.179	34.324	-0.145	206	1.58	M
8 m-Nitrotoluene						M
1	39.628	39.721	-0.093	77	1.18	M

QC Flag Legend

Review Flags
M - Manually Integrated

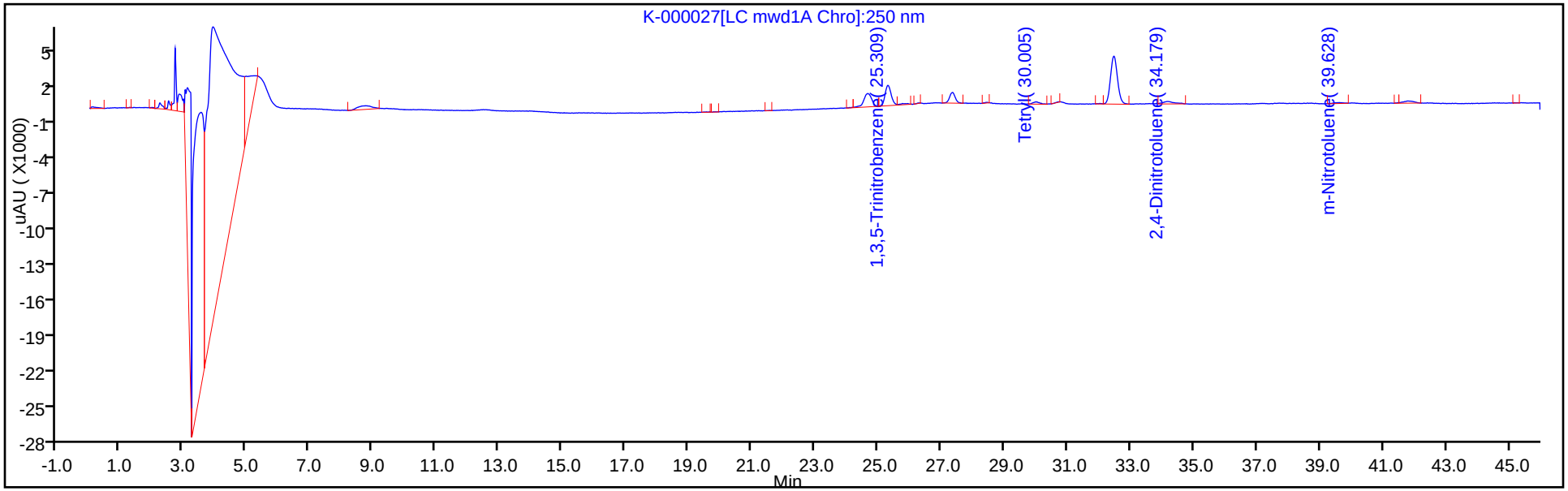
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TestAmerica Sacramento

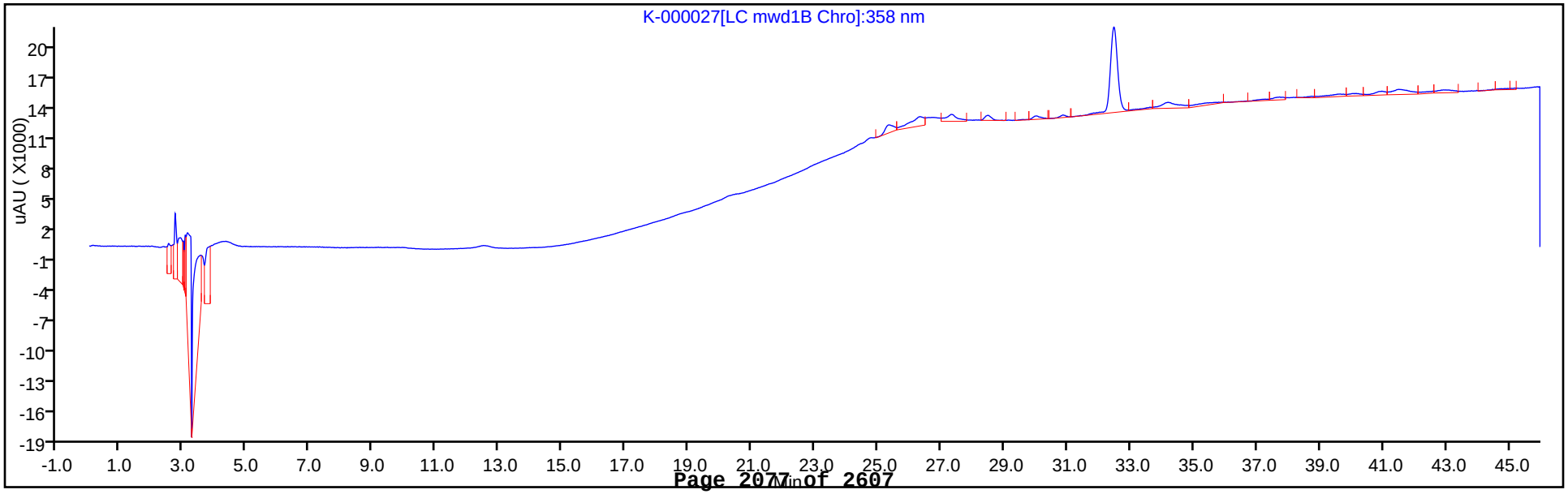
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Injection Date:	09-Apr-2013 16:31:42	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	24
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Report Date: 11-Apr-2013 14:45:13 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

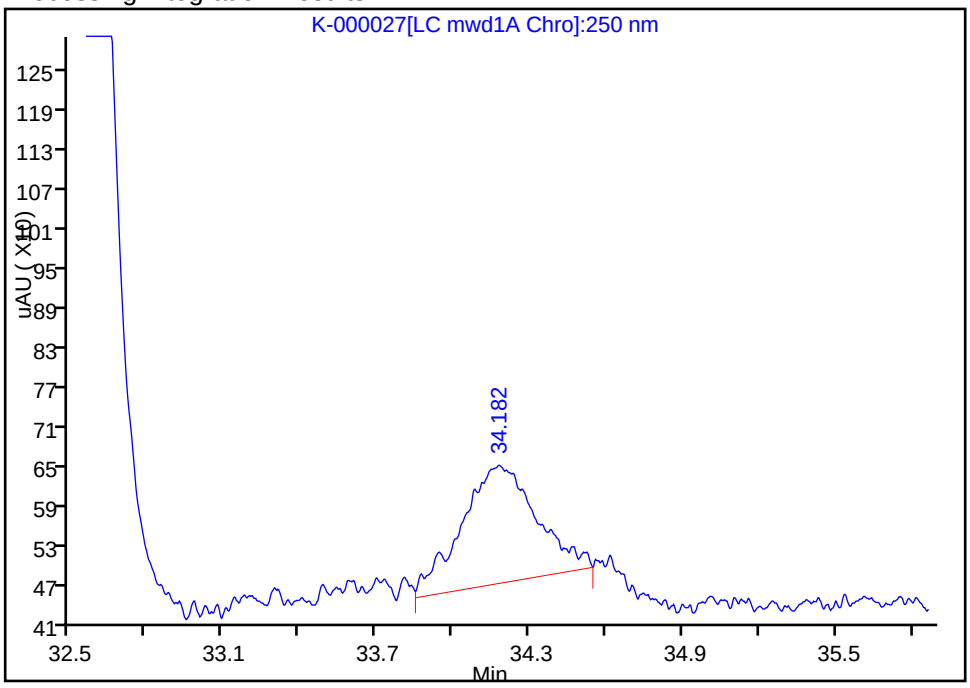
TestAmerica Sacramento

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Injection Date:	09-Apr-2013 16:31:42	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	24
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

23 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 34.32, Det: LC mwd1A

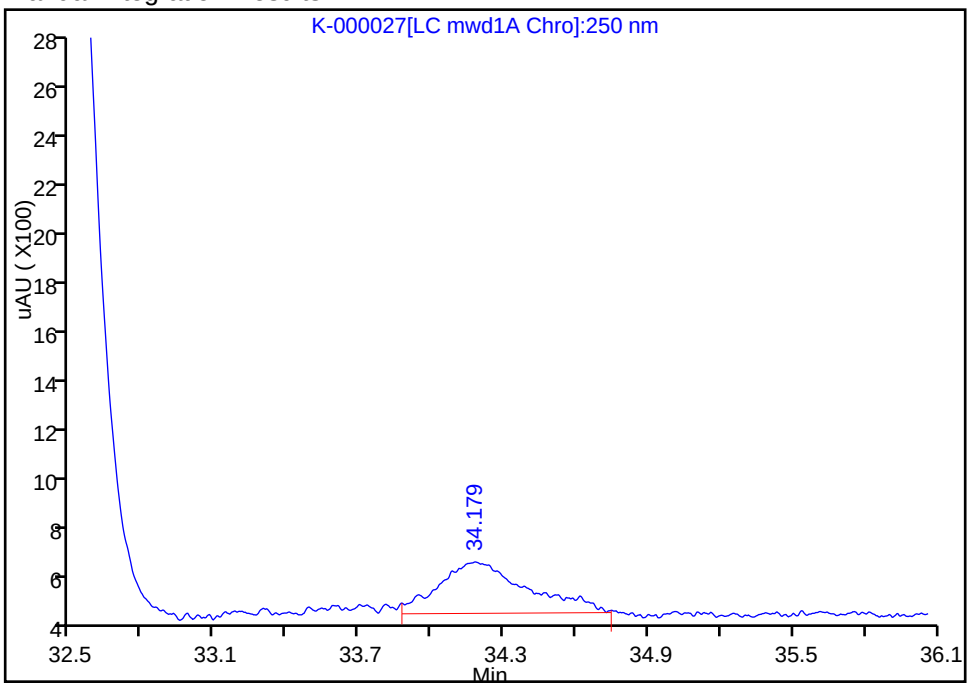
Processing Integration Results

RT: 34.18
Response: 179
Amount: 1.371164



Manual Integration Results

RT: 34.18
Response: 206
Amount: 1.577988



Reviewer: russellk, 10-Apr-2013 11:59:26
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

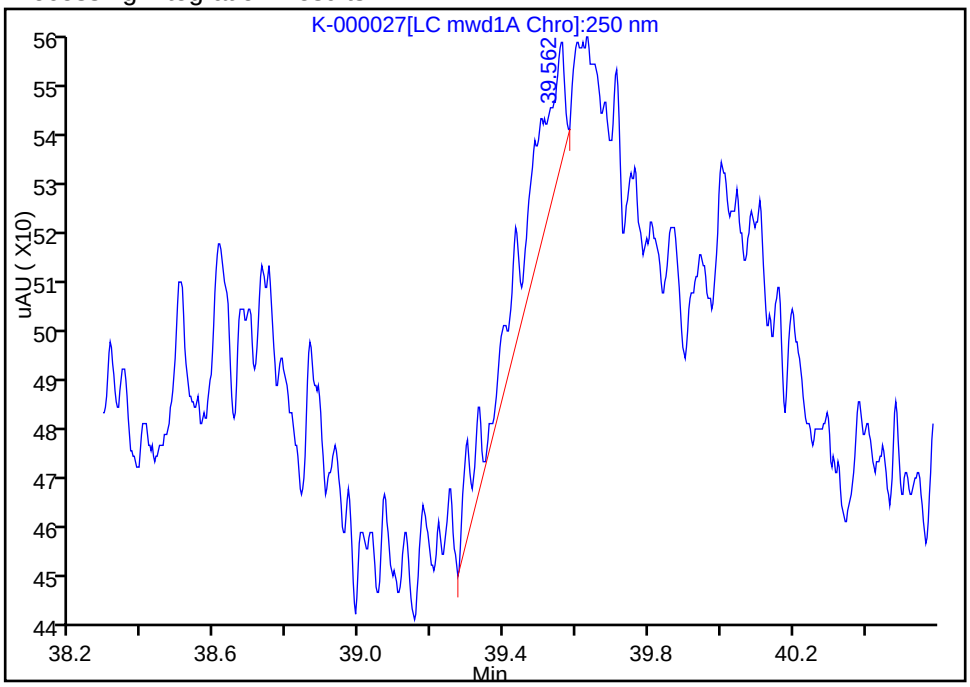
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000027.D		
Injection Date:	09-Apr-2013 16:31:42	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	24
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 39.72, Det: LC mwd1A

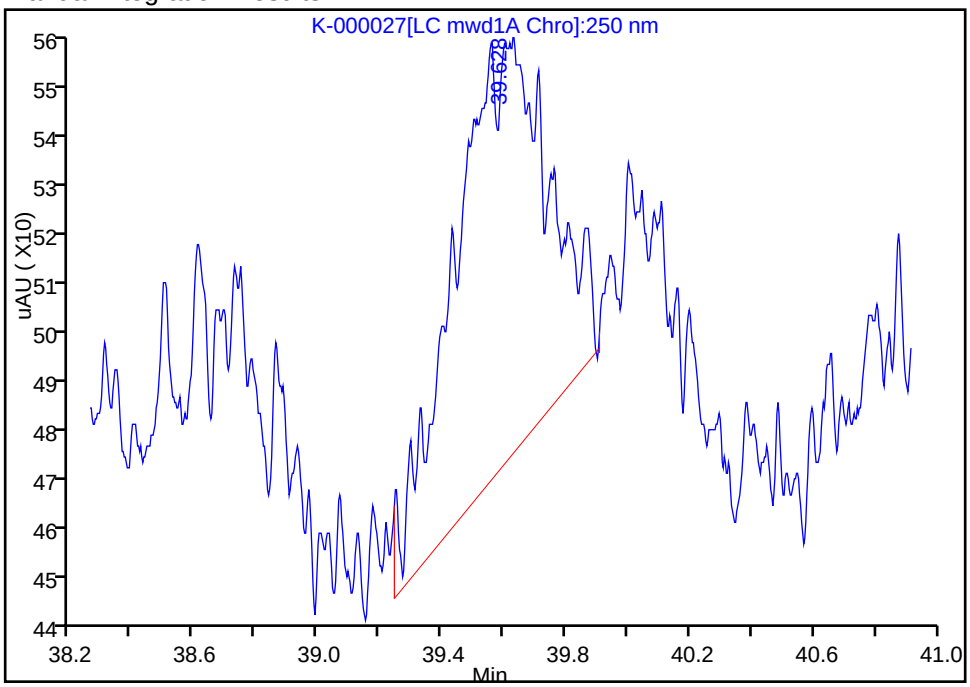
Processing Integration Results

RT: 39.56
Response: 22
Amount: 0.336262



Manual Integration Results

RT: 39.63
Response: 77
Amount: 1.176916



Reviewer: russellk, 10-Apr-2013 11:59:26
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0136M-0001-SO | Lab Sample ID: 240-22488-11

Matrix: Solid | Lab File ID: P000062.D

Analysis Method: 8330B | Date Collected: 03/25/2013 16:31

Extraction Method: 8330B | Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.08(g) | Date Analyzed: 04/18/2013 23:07

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Zorbax CN | ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.0099

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	730	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000062.D		
Lims ID:	240-22488-F-11-A	Client ID:	079SB-0136M-0001-SO
Inject. Date:	18-Apr-2013 23:07:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003897-058		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	59
Lims Batch ID:	14569	Lims Sample ID:	58
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	19-Apr-2013 06:50:11	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK006		

First Level Reviewer: noonanr Date: 19-Apr-2013 06:50:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	38.575	38.681	-0.106	24378	456.4	
11 HMX						
1	42.485	42.418	0.067	1010	15.5	
7 Nitroglycerin						
2	44.942	44.918	0.024	6968	76.2	
20 Tetryl						
1	46.692	46.624	0.068	3151	26.5	
21 PETN						
2	53.122	53.198	-0.076	23208	158.1	

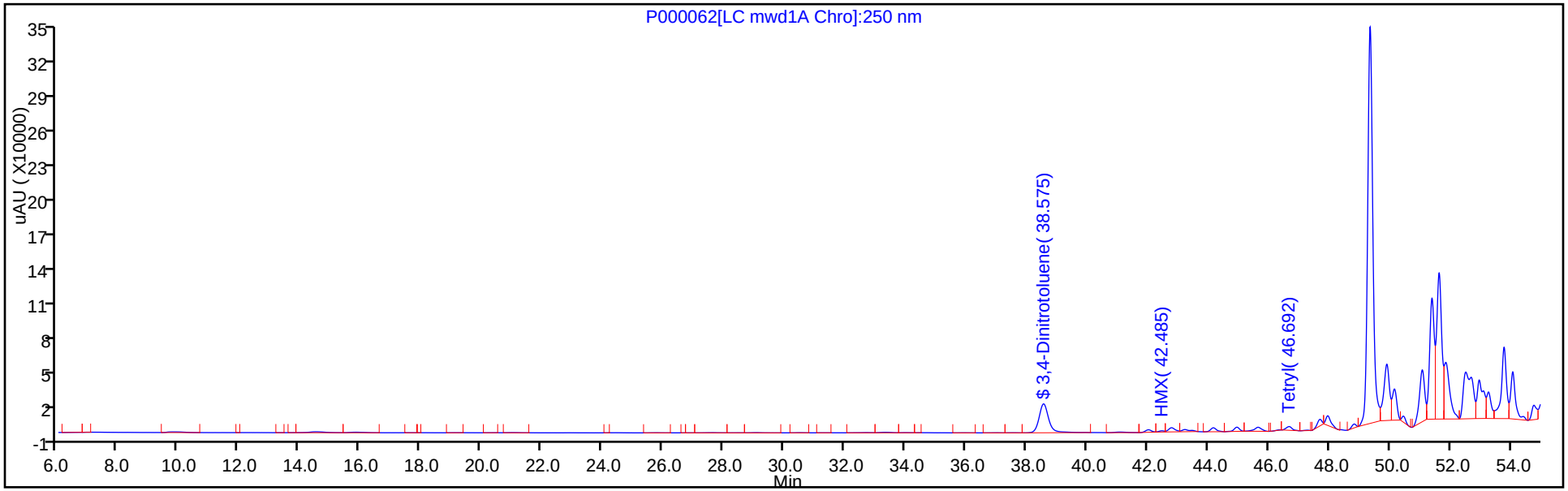
Report Date: 19-Apr-2013 06:50:11 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

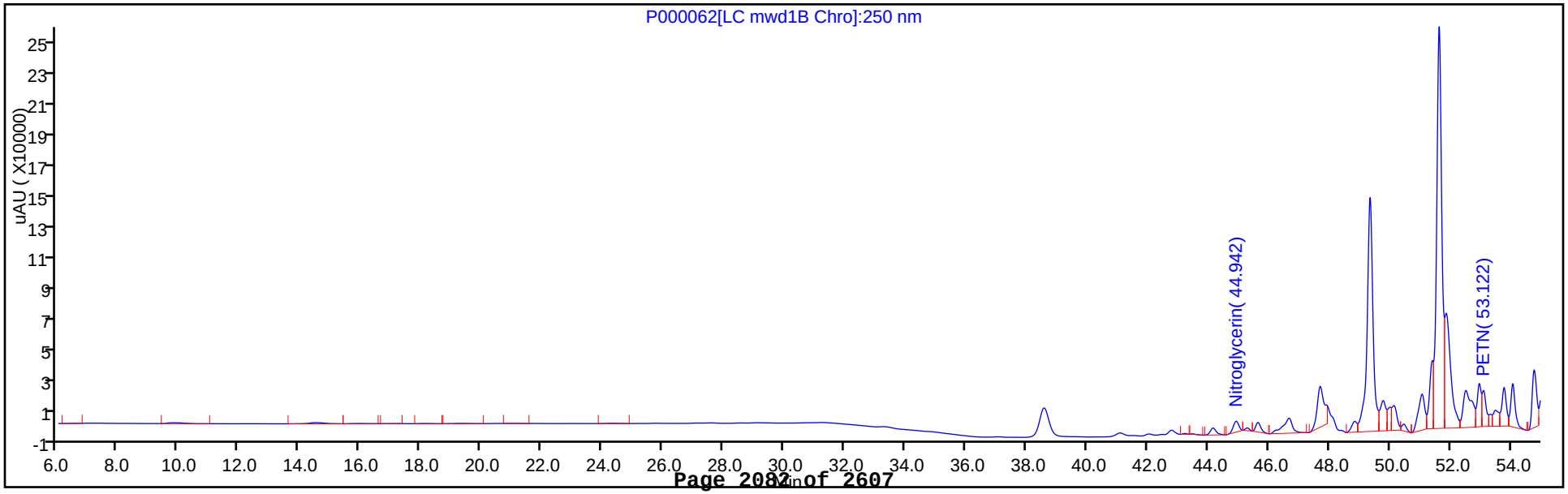
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000062.D

Injection Date:	18-Apr-2013 23:07:46	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0136M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	58
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO Lab Sample ID: 240-22488-18

Matrix: Solid Lab File ID: K-000029.D

Analysis Method: 8330B Date Collected: 03/25/2013 14:37

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.03(g) Date Analyzed: 04/09/2013 18:25

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.012	J	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000029.D		
Lims ID:	240-22488-F-18-A	Client ID:	079SB-0144M-0001-SO
Inject. Date:	09-Apr-2013 18:25:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003758-028		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	30
Lims Batch ID:	13851	Lims Sample ID:	28
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	10-Apr-2013 12:03:29	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK020		

First Level Reviewer: russellk Date: 10-Apr-2013 12:03:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.319	25.378	-0.059	2021	9.38	
20 Tetryl						
1	30.022	29.958	0.064	181	1.47	
$ 30 3,4-Dinitrotoluene						
1	32.482	32.471	0.011	3975	56.9	
2	32.485	32.481	0.004	8097	62.7	
23 2,4-Dinitrotoluene						
1	34.195	34.324	-0.129	267	2.05	

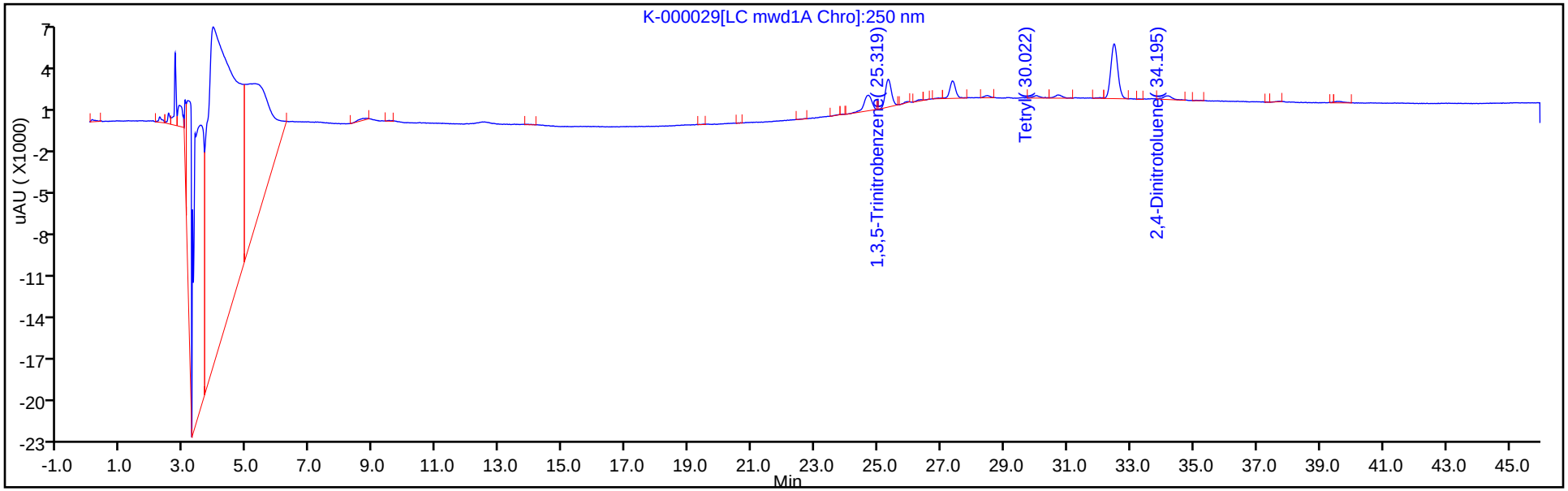
Report Date: 10-Apr-2013 12:03:29 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

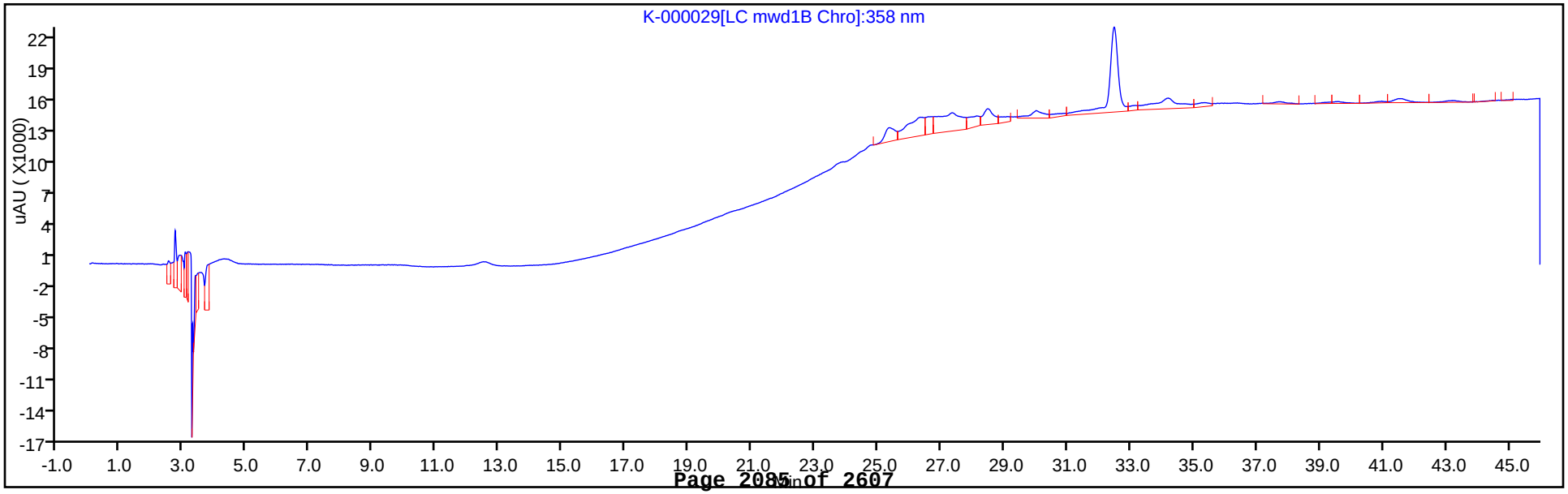
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Injection Date:	09-Apr-2013 18:25:55	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	28
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0144M-0001-SO | Lab Sample ID: 240-22488-18

Matrix: Solid | Lab File ID: P000063.D

Analysis Method: 8330B | Date Collected: 03/25/2013 14:37

Extraction Method: 8330B | Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.03(g) | Date Analyzed: 04/19/2013 00:14

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Zorbax CN | ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	114		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000063.D		
Lims ID:	240-22488-F-18-A	Client ID:	079SB-0144M-0001-SO
Inject. Date:	19-Apr-2013 00:14:02	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003897-059		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	60
Lims Batch ID:	14569	Lims Sample ID:	59
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	19-Apr-2013 06:50:31	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK006		

First Level Reviewer: noonanr Date: 19-Apr-2013 06:50:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	38.677	38.681	-0.004	3794	71.0	
20 Tetryl						
1	46.474	46.624	-0.150	189	1.59	

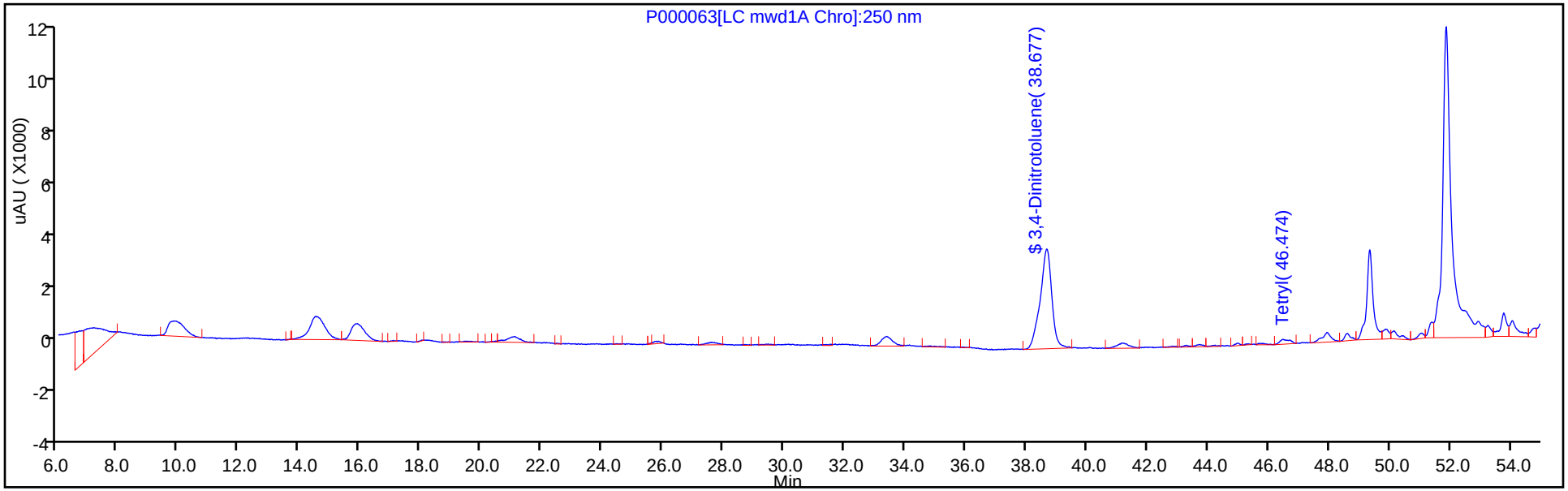
Report Date: 19-Apr-2013 06:50:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

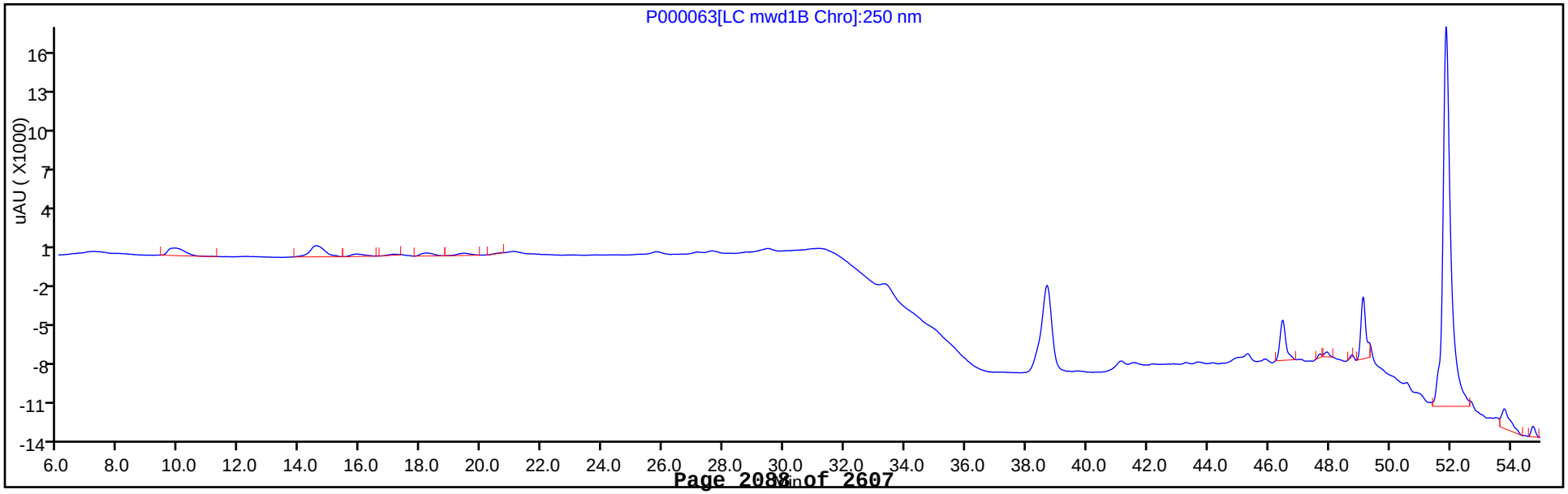
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Injection Date:	19-Apr-2013 00:14:02	Limit Group:	LC 8330B ICAL
Client ID:	079SB-0144M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	59
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: K-000012.D

Analysis Method: 8330B Date Collected: 03/25/2013 16:45

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.10(g) Date Analyzed: 04/09/2013 02:15

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0052
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0072
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.017
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000012.D		
Lims ID:	240-22488-F-23-B	Client ID:	079SS-0053M-0001-SO
Inject. Date:	09-Apr-2013 02:15:05	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003758-012		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	18
Lims Batch ID:	13851	Lims Sample ID:	12
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	09-Apr-2013 09:27:12	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: russellk Date: 09-Apr-2013 09:27:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.352	25.386	-0.034	490	2.27	
7 Nitroglycerin						
2	30.425	30.416	0.009	233	2.59	
$ 30 3,4-Dinitrotoluene						
1	32.472	32.500	-0.028	3964	56.8	
2	32.475	32.503	-0.028	7696	59.6	

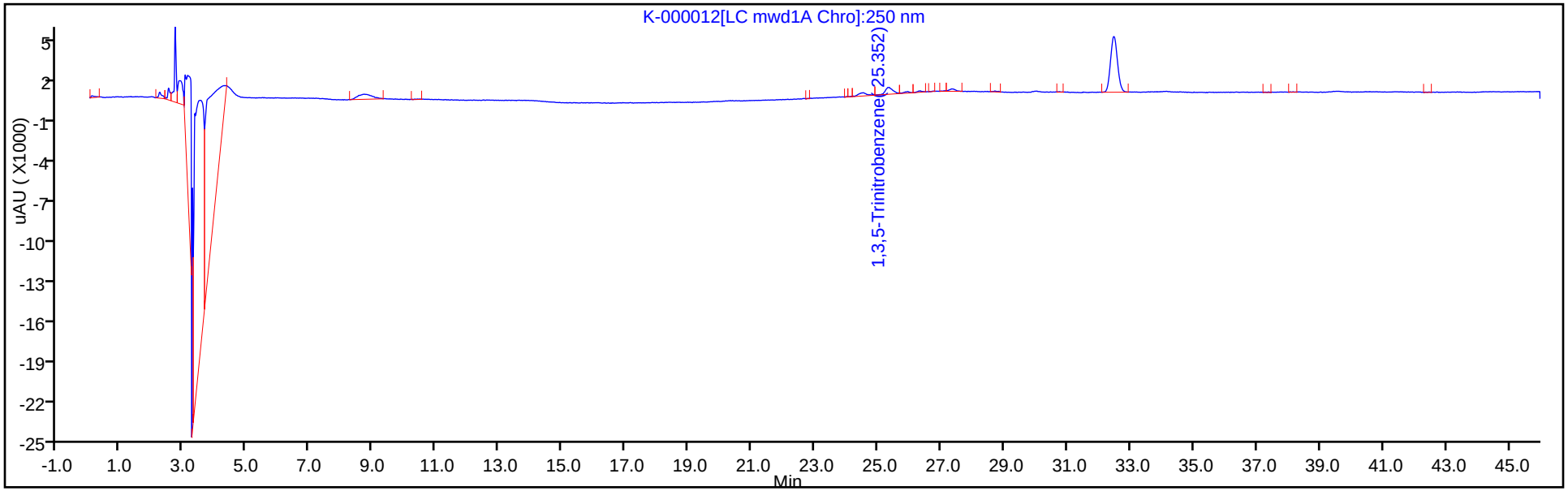
Report Date: 09-Apr-2013 09:27:13 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

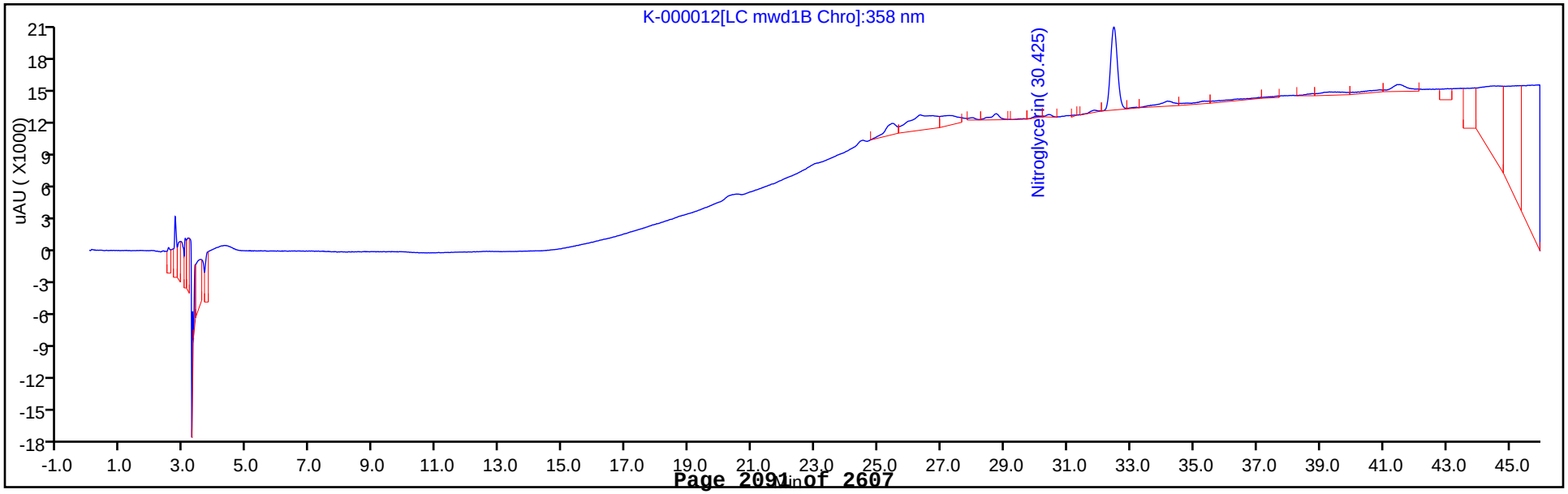
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000012.D

Injection Date:	09-Apr-2013 02:15:05	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	12
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SS-0053M-0001-SO Lab Sample ID: 240-22488-23

Matrix: Solid Lab File ID: P000054.D

Analysis Method: 8330B Date Collected: 03/25/2013 16:45

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.10(g) Date Analyzed: 04/18/2013 14:19

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.0099

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	106		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000054.D		
Lims ID:	240-22488-F-23-B	Client ID:	079SS-0053M-0001-SO
Inject. Date:	18-Apr-2013 14:19:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0003897-051		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	52
Lims Batch ID:	14569	Lims Sample ID:	51
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	19-Apr-2013 06:39:15	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK006		

First Level Reviewer: noonanr Date: 19-Apr-2013 06:39:15

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	38.657	38.648	0.009	3549	66.4	
20 Tetryl						
1	46.464	46.608	-0.144	193	1.62	

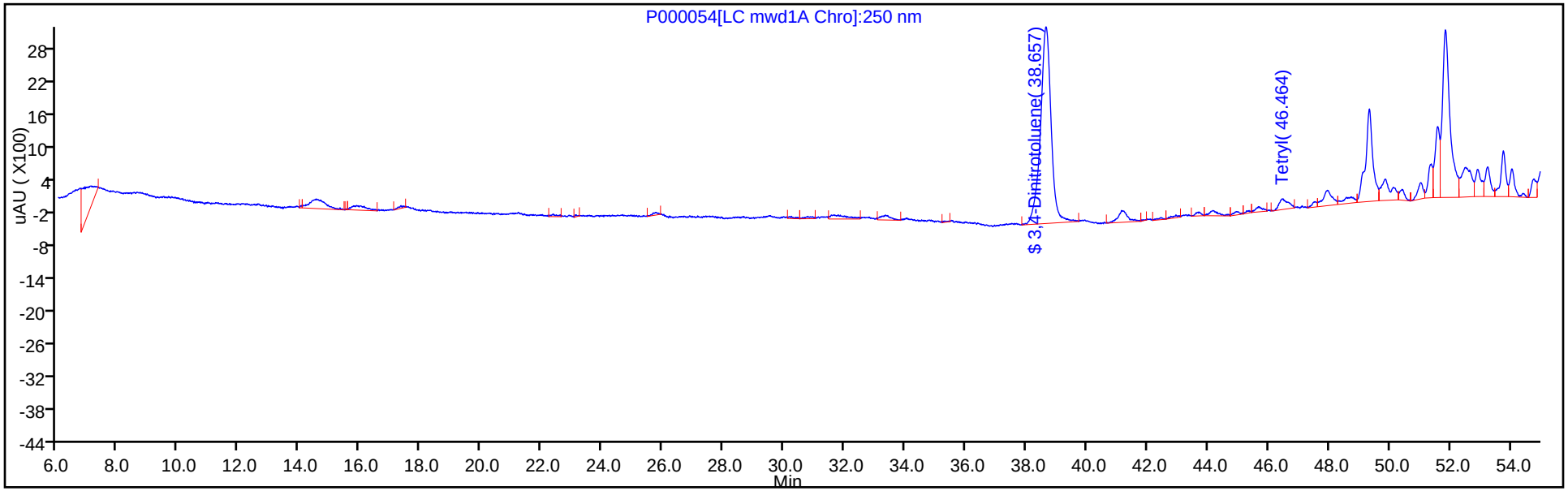
Report Date: 19-Apr-2013 06:39:15 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

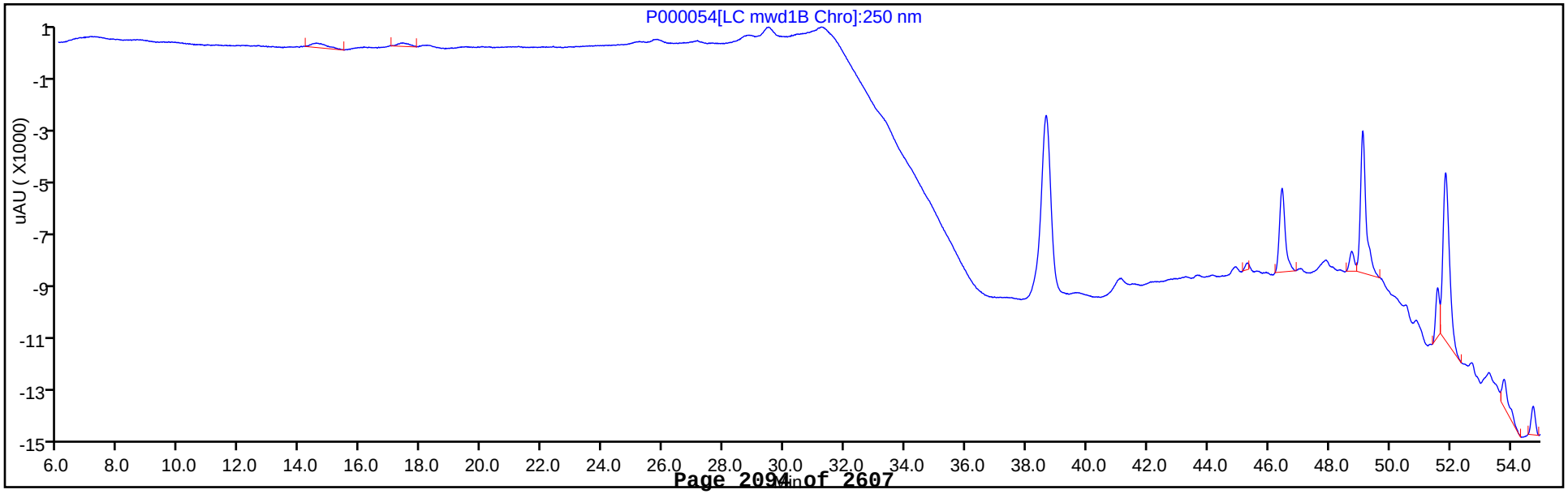
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000054.D

Injection Date:	18-Apr-2013 14:19:14	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0053M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	51
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 1385

SDG No.:

Instrument ID: LC11 GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2012 14:52 Calibration End Date: 04/30/2012 21:31 Calibration ID: 1035

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-1385/2	M-002.D
Level 2	STD02 320-1385/3	M-003.D
Level 3	STD03 320-1385/4	M-004.D
Level 4	STD04 320-1385/5	M-005.D
Level 5	STD05 320-1385/6	M-006.D
Level 6	STD06 320-1385/7	M-007.D
Level 7	STD07 320-1385/8	M-008.D
Level 8	STD08 320-1385/9	M-009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	20.442	20.414	20.432	20.412	20.410	20.405	20.371	20.360			20.160 - 20.660	20.406
RDX	23.655	23.638	23.639	23.639	23.647	23.638	23.614	23.600			23.397 - 23.897	23.634
1,3,5-Trinitrobenzene	25.605	25.584	25.586	25.589	25.600	25.588	25.574	25.560			25.350 - 25.850	25.586
Picric acid	25.945	25.938	25.929	25.926	25.923	25.878	25.828	25.747			25.673 - 26.173	25.889
1,3-Dinitrobenzene	28.322	28.301	28.296	28.302	28.323	28.308	28.294	28.277			28.073 - 28.573	28.303
3,5-Dinitroaniline	29.445	29.424	29.422	29.429	29.453	29.435	29.418	29.404			29.203 - 29.703	29.429
Nitrobenzene	29.915	29.898	29.882	29.896	29.920	29.901	29.888	29.870			29.670 - 30.170	29.896
Tetryl	30.249	30.218	30.219	30.226	30.250	30.231	30.218	30.210			30.000 - 30.500	30.228
Nitroglycerin	+++++	+++++	30.712	30.716	30.743	30.725	30.711	30.700			30.493 - 30.993	30.718
2,4,6-Trinitrotoluene	31.475	31.448	31.442	31.449	31.477	31.455	31.441	31.430			31.227 - 31.727	31.452
4-Amino-2,6-dinitrotoluene	32.439	32.428	32.416	32.426	32.457	32.435	32.418	32.400			32.207 - 32.707	32.427
2-Amino-4,6-dinitrotoluene	33.135	33.111	33.102	33.112	33.147	33.118	33.104	33.084			32.897 - 33.397	33.114
2,6-Dinitrotoluene	34.382	34.344	34.312	34.332	34.373	34.345	34.331	34.317			34.123 - 34.623	34.342
2,4-Dinitrotoluene	34.752	34.724	34.706	34.722	34.760	34.731	34.718	34.700			34.510 - 35.010	34.727
2-Nitrotoluene	37.628	37.601	37.565	37.599	37.646	37.611	37.601	37.577			37.396 - 37.896	37.604
4-Nitrotoluene	38.828	38.827	38.785	38.812	38.866	38.828	38.821	38.794			38.616 - 39.116	38.820
3-Nitrotoluene	40.332	40.304	40.282	40.299	40.356	40.318	40.311	40.280			40.106 - 40.606	40.310
PETN	+++++	+++++	40.932	40.962	41.016	40.965	40.961	40.940			40.766 - 41.266	40.963
3,4-Dinitrotoluene	32.795	32.778	32.769	32.772	32.810	32.785	32.771	32.757			32.560 - 33.060	32.780

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 1385

SDG No.:

Instrument ID: LC11 GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2012 14:52 Calibration End Date: 04/30/2012 21:31 Calibration ID: 1035

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-1385/2	M-002.D
Level 2	STD02 320-1385/3	M-003.D
Level 3	STD03 320-1385/4	M-004.D
Level 4	STD04 320-1385/5	M-005.D
Level 5	STD05 320-1385/6	M-006.D
Level 6	STD06 320-1385/7	M-007.D
Level 7	STD07 320-1385/8	M-008.D
Level 8	STD08 320-1385/9	M-009.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 7	LVL 4 LVL 8		B	M1	M2								
HMX	102.00 100.69	99.500 96.920	98.300 88.544	97.120 70.622	Ave		94.2120000				11.0		20.0			
RDX	103.80 100.88	99.100 96.140	99.150 86.862	97.280 68.761	Ave		93.9966250				12.0		20.0			
1,3,5-Trinitrobenzene	223.80 223.84	223.10 220.13	217.70 210.02	216.44 188.23	Ave		215.407625				5.5		20.0			
Picric acid	241.80 199.01	197.05 185.80	187.38 164.50	196.81 143.76	Ave		189.514188				15.0		20.0			
1,3-Dinitrobenzene	234.40 239.30	233.20 234.66	229.70 224.64	230.68 202.70	Ave		228.660000				5.0		20.0			
3,5-Dinitroaniline	152.20 154.70	154.50 154.17	152.40 148.73	150.88 135.98	Ave		150.444125				4.1		20.0			
Nitrobenzene	104.00 102.99	101.20 100.84	92.650 97.416	99.360 88.896	Ave		98.4190000				5.3		20.0			
Tetryl	124.60 125.04	123.00 124.39	120.75 123.00	120.56 120.94	Ave		122.785375				1.5		20.0			
Nitroglycerin	+++++ 94.100	+++++ 94.595	77.600 95.572	85.080 93.287	Ave		90.0390000				8.0		20.0			
2,4,6-Trinitrotoluene	129.40 132.78	131.60 132.12	127.90 130.38	128.26 126.74	Ave		129.897750				1.7		20.0			
4-Amino-2,6-dinitrotoluene	104.20 105.84	105.80 106.65	104.50 104.73	103.14 99.890	Ave		104.343625				2.0		20.0			
2-Amino-4,6-dinitrotoluene	117.40 117.77	116.80 118.19	115.15 115.71	114.80 109.87	Ave		115.711125				2.3		20.0			
2,6-Dinitrotoluene	81.600 81.440	80.500 80.775	78.550 79.264	78.740 76.622	Ave		79.6863750				2.1		20.0			
2,4-Dinitrotoluene	133.00 133.49	131.20 132.68	128.50 130.62	128.76 126.12	Ave		130.546000				2.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 1385

SDG No.:

Instrument ID: LC11 GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2012 14:52 Calibration End Date: 04/30/2012 21:31 Calibration ID: 1035

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 7	LVL 4 LVL 8		B	M1	M2								
2-Nitrotoluene	57.000 53.850	51.300 52.535	47.250 52.020	50.720 49.792	Ave		51.8083750				5.6		20.0			
4-Nitrotoluene	64.000 68.690	68.300 68.150	61.900 67.794	66.620 65.856	Ave		66.4137500				3.6		20.0			
3-Nitrotoluene	63.400 67.720	66.100 67.285	60.700 67.154	65.580 65.463	Ave		65.4252500				3.6		20.0			
PETN	+++++ 53.180	+++++ 53.445	45.300 53.150	49.620 53.251	Ave		51.3243333				6.4		20.0			
3,4-Dinitrotoluene	71.000 73.420	69.200 73.020	67.650 62.654	69.320 72.180	Ave		69.8055357				5.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 1385

SDG No.:

Instrument ID: LC11 GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2012 14:52 Calibration End Date: 04/30/2012 21:31 Calibration ID: 1035

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-1385/2	M-002.D
Level 2	STD02 320-1385/3	M-003.D
Level 3	STD03 320-1385/4	M-004.D
Level 4	STD04 320-1385/5	M-005.D
Level 5	STD05 320-1385/6	M-006.D
Level 6	STD06 320-1385/7	M-007.D
Level 7	STD07 320-1385/8	M-008.D
Level 8	STD08 320-1385/9	M-009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	510 19384	995 44272	1966 70622	4856	10069	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	519 19228	991 43431	1983 68761	4864	10088	5.00 200	10.0 500	20.0 1000	50.0	100
1,3,5-Trinitrobenzene	Ave	1119 44026	2231 105011	4354 188229	10822	22384	5.00 200	10.0 500	20.0 1000	50.0	100
Picric acid	Ave	2418 92902	3941 164503	9369 287523	19681	39801	10.0 500	20.0 1000	50.0 2000	100	200
1,3-Dinitrobenzene	Ave	1172 46932	2332 112318	4594 202704	11534	23930	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	761 30834	1545 74363	3048 135977	7544	15470	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	520 20168	1012 48708	1853 88896	4968	10299	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	623 24878	1230 61501	2415 120941	6028	12504	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	+++++ 18919	+++++ 47786	1552 93287	4254	9410	+++++ 200	+++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	647 26424	1316 65191	2558 126740	6413	13278	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	521 21329	1058 52367	2090 99890	5157	10584	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	587 23637	1168 57857	2303 109870	5740	11777	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	408 16155	805 39632	1571 76622	3937	8144	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	665 26536	1312 65308	2570 126122	6438	13349	5.00 200	10.0 500	20.0 1000	50.0	100
2-Nitrotoluene	Ave	285 10507	513 26010	945 49792	2536	5385	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 1385

SDG No.:

Instrument ID: LC11 GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2012 14:52 Calibration End Date: 04/30/2012 21:31 Calibration ID: 1035

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Nitrotoluene	Ave	320 13630	683 33897	1238 65856	3331	6869	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	317 13457	661 33577	1214 65463	3279	6772	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 10689	+++++ 26575	906 53251	2481	5318	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	355 14604	692 21929	1353 36090	3466	7342	5.00 200	10.0 350	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-002.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	30-Apr-2012 14:52:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD_01 HP8330L1_00001 5 ng/mL;1;		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	11
Lims Batch ID:	1385	Lims Sample ID:	2
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m		
Last Update:	18-Sep-2012 15:07:49	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK014		

First Level Reviewer: noonanr Date: 27-Aug-2012 15:40:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.442	20.410	0.032	510	5.41	
19 RDX						
1	23.655	23.647	0.008	519	5.52	
27 1,3,5-Trinitrobenzene						
1	25.605	25.600	0.005	1119	5.19	
10 2,4,6-Trinitrophenol						M
2	25.945	25.923	0.022	2418	12.8	M
1	25.962	25.923	0.039	1270	10.3	
24 1,3-Dinitrobenzene						
1	28.322	28.323	-0.001	1172	5.13	
9 3,5-Dinitroaniline						
1	29.445	29.453	-0.008	761	5.06	
5 Nitrobenzene						
1	29.915	29.920	-0.005	520	5.28	
20 Tetryl						
1	30.249	30.250	-0.001	623	5.07	
7 Nitroglycerin						
2	30.739	30.743	-0.004	428	4.75	
25 2,4,6-Trinitrotoluene						
1	31.475	31.477	-0.002	647	4.98	
26 4-Amino-2,6-dinitrotoluene						
1	32.439	32.457	-0.018	521	4.99	
$ 30 3,4-Dinitrotoluene						
1	32.795	32.810	-0.015	355	5.09	
2	32.805	32.807	-0.002	496	3.84	
6 2-Amino-4,6-dinitrotoluene						
1	33.135	33.147	-0.012	587	5.07	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.382	34.373	0.009	408	5.12	
23 2,4-Dinitrotoluene						
1	34.752	34.760	-0.008	665	5.09	
16 o-Nitrotoluene						
1	37.628	37.646	-0.018	285	5.50	
15 p-Nitrotoluene						
1	38.828	38.866	-0.038	320	4.82	
8 m-Nitrotoluene						
1	40.332	40.356	-0.024	317	4.85	
21 PETN						
2	41.015	41.016	-0.001	205	3.99	

QC Flag Legend

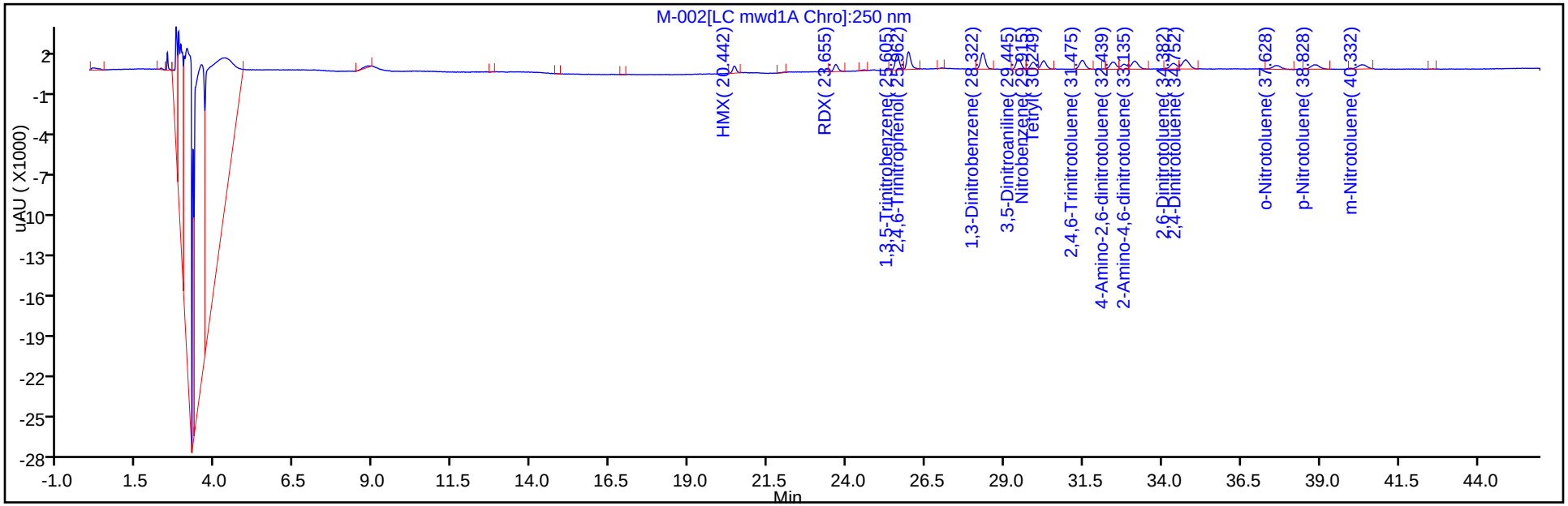
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:07:50 Chrom Revision: 2.1 16-Sep-2012 09:37:06

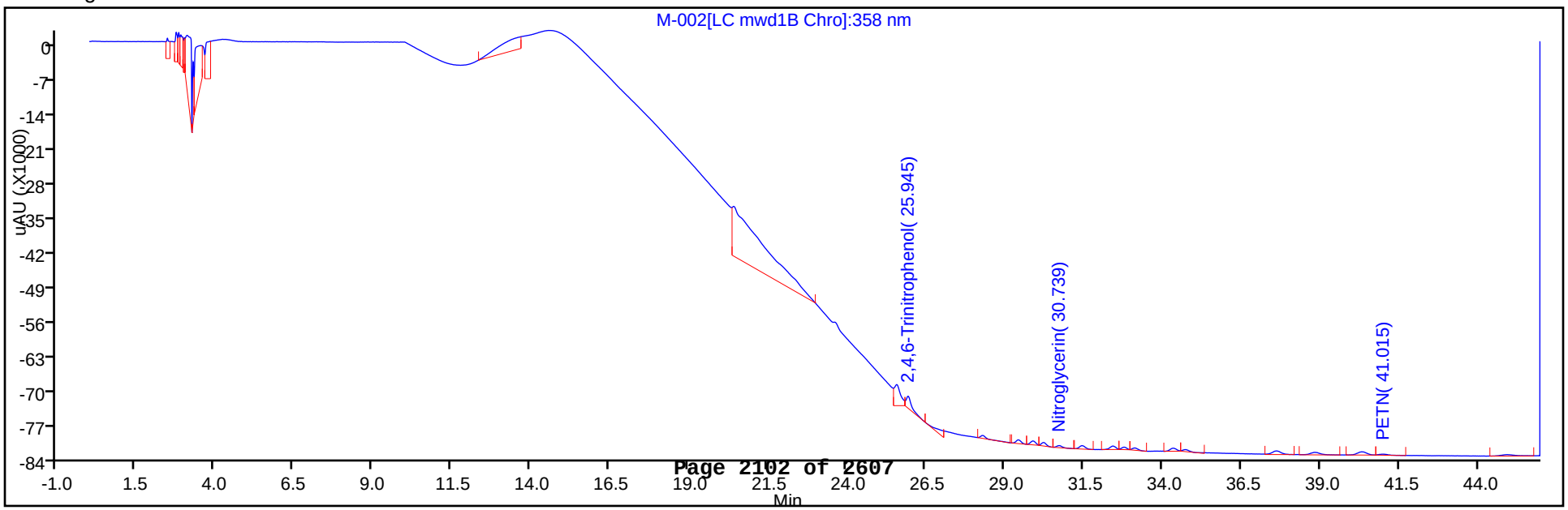
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-002.D		
Injection Date:	30-Apr-2012 14:52:49	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

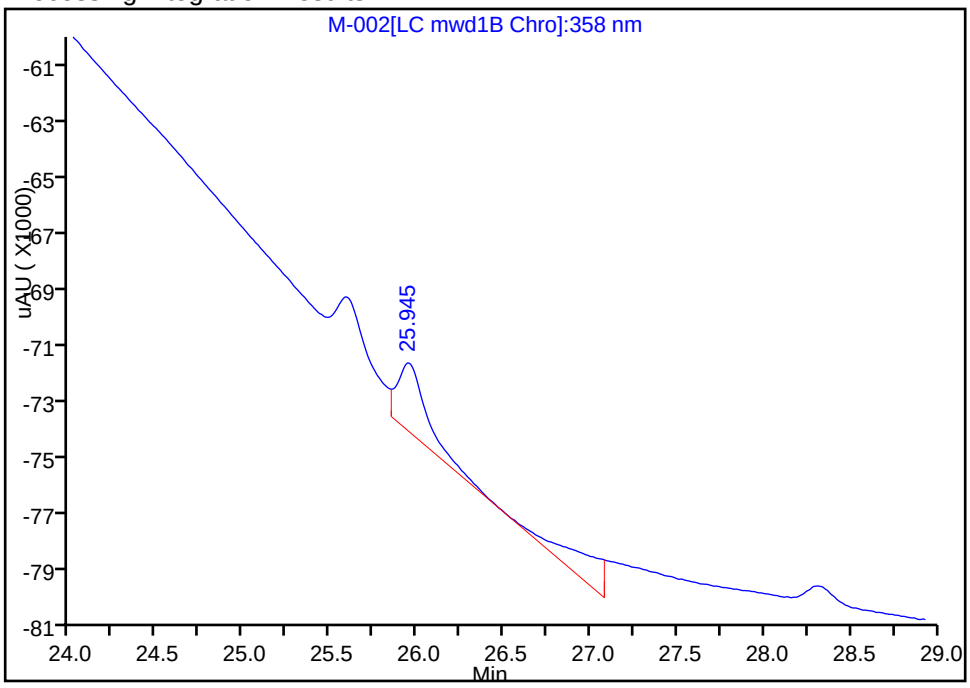
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-002.D		
Injection Date:	30-Apr-2012 14:52:49	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

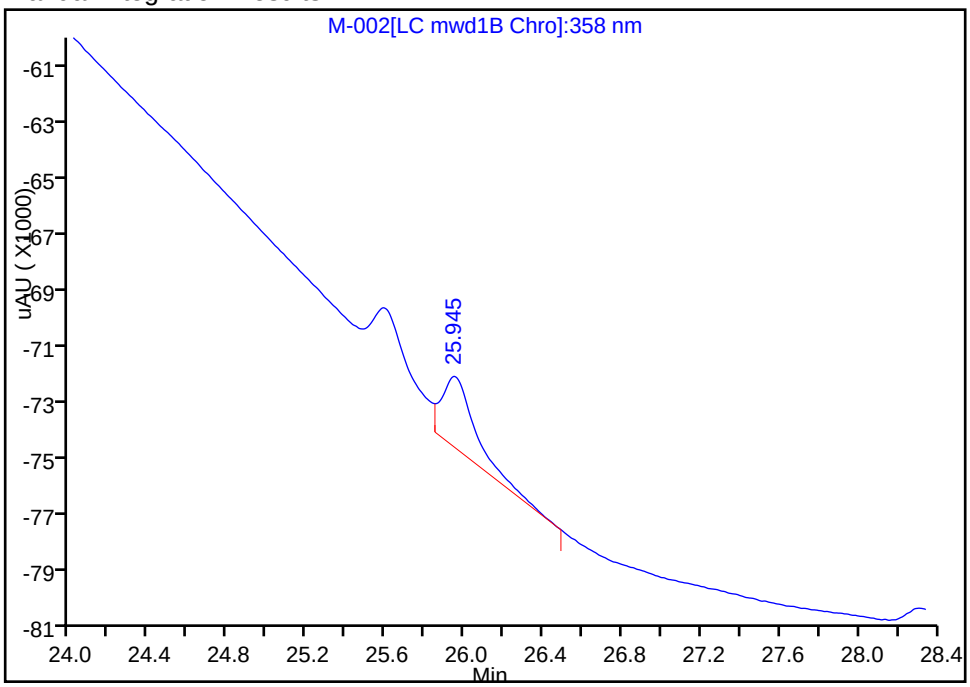
Processing Integration Results

RT: 25.95
Response: 2419
Amount: 13.175951



Manual Integration Results

RT: 25.95
Response: 2418
Amount: 12.758939



Reviewer: noonanr, 27-Aug-2012 15:40:19
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-003.D
Lims ID: STD02 Client ID:
Inject. Date: 30-Apr-2012 15:49:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD_02 HP8330L2_00001 10 ng/mL;1;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 1385 Lims Sample ID: 3
Sublist: chrom-8330 Metab LC11*sub1

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:07:50 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 27-Aug-2012 15:42:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.414	20.410	0.004	995	10.6	
19 RDX						
1	23.638	23.647	-0.009	991	10.5	
27 1,3,5-Trinitrobenzene						
1	25.584	25.600	-0.016	2231	10.4	
10 2,4,6-Trinitrophenol						M
2	25.938	25.923	0.015	3941	20.8	M
1	25.944	25.923	0.021	2433	19.7	
24 1,3-Dinitrobenzene						
1	28.301	28.323	-0.022	2332	10.2	
9 3,5-Dinitroaniline						
1	29.424	29.453	-0.029	1545	10.3	
5 Nitrobenzene						
1	29.898	29.920	-0.022	1012	10.3	
20 Tetryl						
1	30.218	30.250	-0.032	1230	10.0	
7 Nitroglycerin						
2	30.714	30.743	-0.029	519	5.76	
25 2,4,6-Trinitrotoluene						
1	31.448	31.477	-0.029	1316	10.1	
26 4-Amino-2,6-dinitrotoluene						
1	32.428	32.457	-0.029	1058	10.1	
$ 30 3,4-Dinitrotoluene						
1	32.778	32.810	-0.032	692	9.91	
2	32.788	32.807	-0.019	1299	10.1	
6 2-Amino-4,6-dinitrotoluene						
1	33.111	33.147	-0.036	1168	10.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.344	34.373	-0.029	805	10.1	
23 2,4-Dinitrotoluene						
1	34.724	34.760	-0.036	1312	10.1	
16 o-Nitrotoluene						
1	37.601	37.646	-0.045	513	9.90	
15 p-Nitrotoluene						
1	38.827	38.866	-0.039	683	10.3	
8 m-Nitrotoluene						
1	40.304	40.356	-0.052	661	10.1	
21 PETN						
2	40.961	41.016	-0.055	517	10.1	

QC Flag Legend

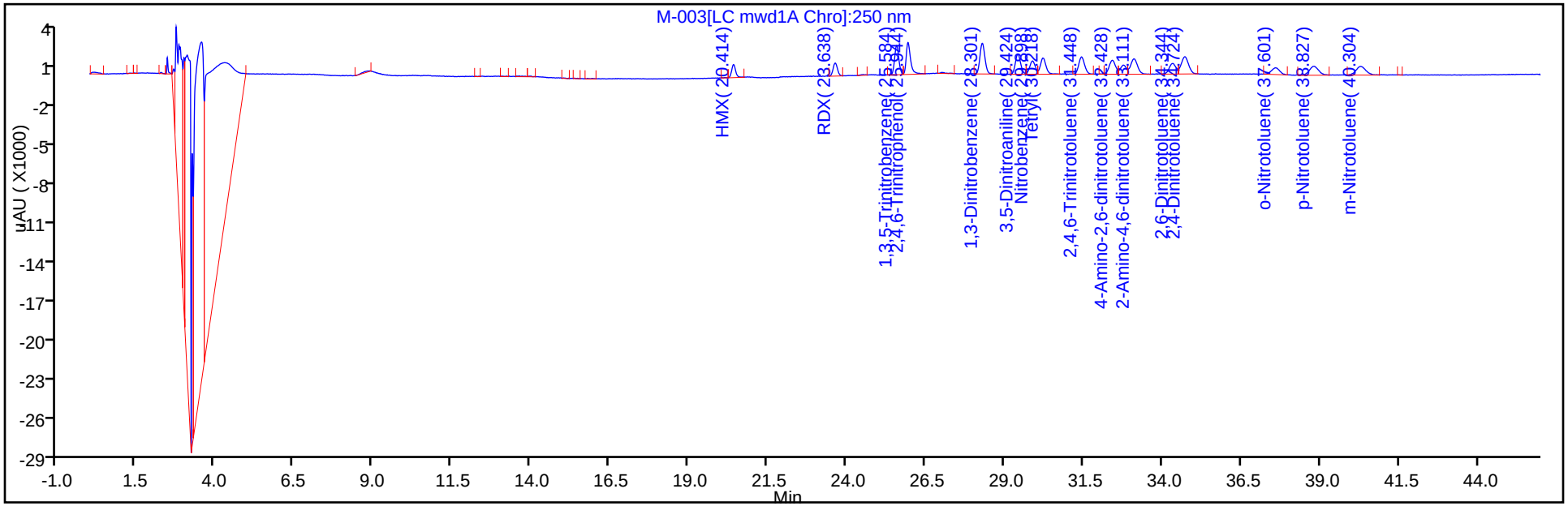
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:07:51 Chrom Revision: 2.1 16-Sep-2012 09:37:06

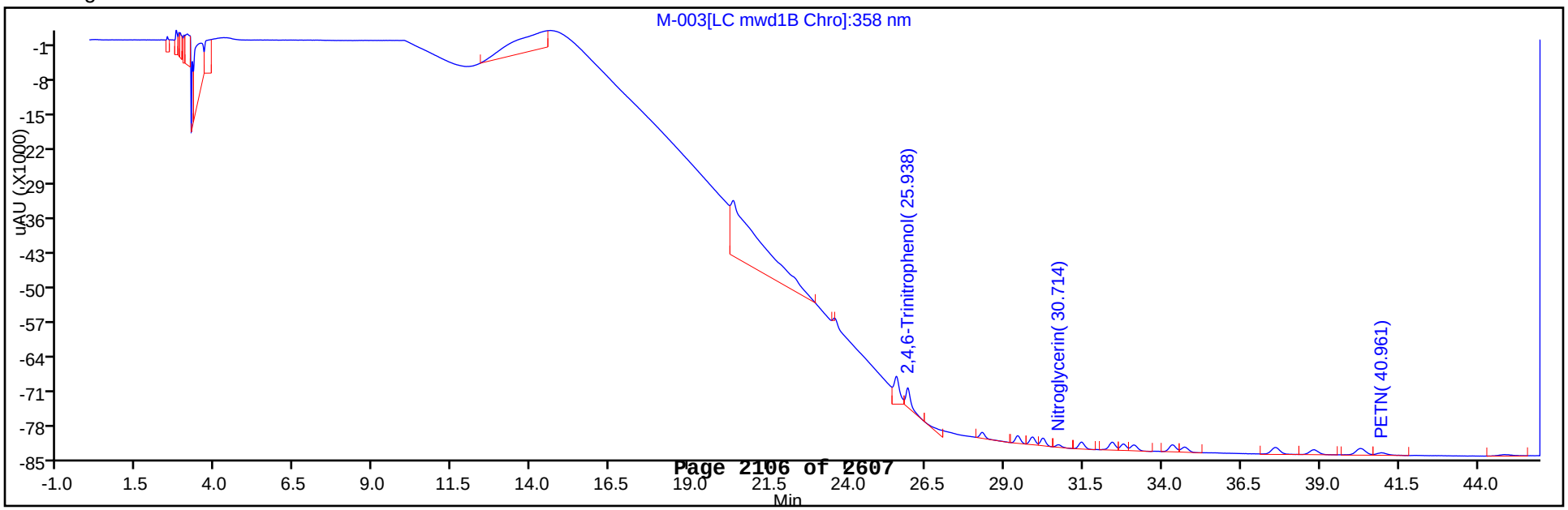
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-003.D		
Injection Date:	30-Apr-2012 15:49:47	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

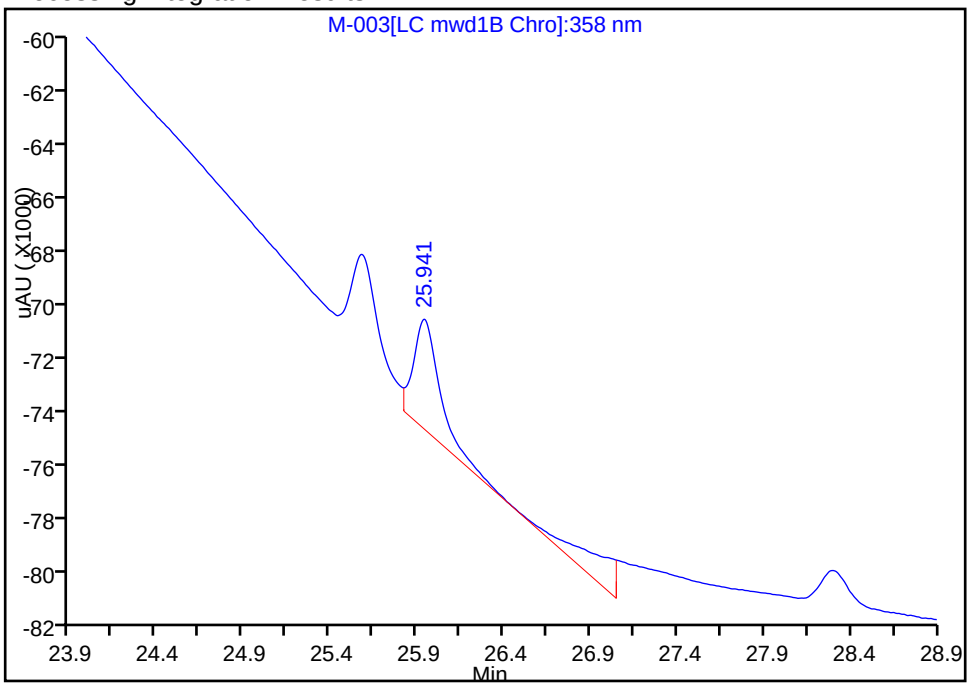
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-003.D		
Injection Date:	30-Apr-2012 15:49:47	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

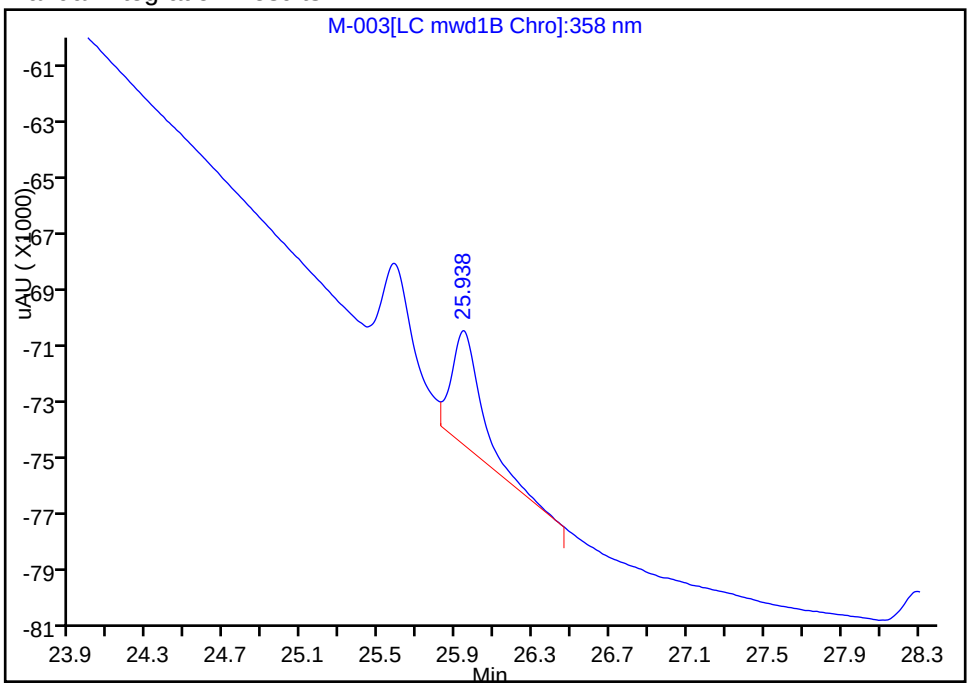
Processing Integration Results

RT: 25.94
Response: 3960
Amount: 21.104010



Manual Integration Results

RT: 25.94
Response: 3941
Amount: 20.795277



Reviewer: noonanr, 27-Aug-2012 15:42:45
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-004.D
Lims ID: STD03 Client ID:
Inject. Date: 30-Apr-2012 16:46:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD_03 HP8330L3_00001 20 ng/mL;1;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 1385 Lims Sample ID: 4
Sublist: chrom-8330 Metab LC11*sub1

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:08:38 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 27-Aug-2012 15:44:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.432	20.410	0.022	1966	20.9	
19 RDX						
1	23.639	23.647	-0.008	1983	21.1	
27 1,3,5-Trinitrobenzene						
1	25.586	25.600	-0.014	4354	20.2	
10 2,4,6-Trinitrophenol						M
2	25.929	25.923	0.006	9369	49.4	M
1	25.932	25.923	0.009	6172	49.9	
24 1,3-Dinitrobenzene						
1	28.296	28.323	-0.027	4594	20.1	
9 3,5-Dinitroaniline						
1	29.422	29.453	-0.031	3048	20.3	
5 Nitrobenzene						
1	29.882	29.920	-0.038	1853	18.8	
20 Tetryl						
1	30.219	30.250	-0.031	2415	19.7	
7 Nitroglycerin						
2	30.712	30.743	-0.031	1552	17.2	
25 2,4,6-Trinitrotoluene						
1	31.442	31.477	-0.035	2558	19.7	
26 4-Amino-2,6-dinitrotoluene						
1	32.416	32.457	-0.041	2090	20.0	
$ 30 3,4-Dinitrotoluene						
1	32.769	32.810	-0.041	1353	19.4	
2	32.762	32.807	-0.045	2600	20.1	
6 2-Amino-4,6-dinitrotoluene						
1	33.102	33.147	-0.045	2303	19.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.312	34.373	-0.061	1571	19.7	
23 2,4-Dinitrotoluene						
1	34.706	34.760	-0.054	2570	19.7	
16 o-Nitrotoluene						
1	37.565	37.646	-0.081	945	18.2	
15 p-Nitrotoluene						
1	38.785	38.866	-0.081	1238	18.6	
8 m-Nitrotoluene						
1	40.282	40.356	-0.074	1214	18.6	
21 PETN						
2	40.932	41.016	-0.084	906	17.7	

QC Flag Legend

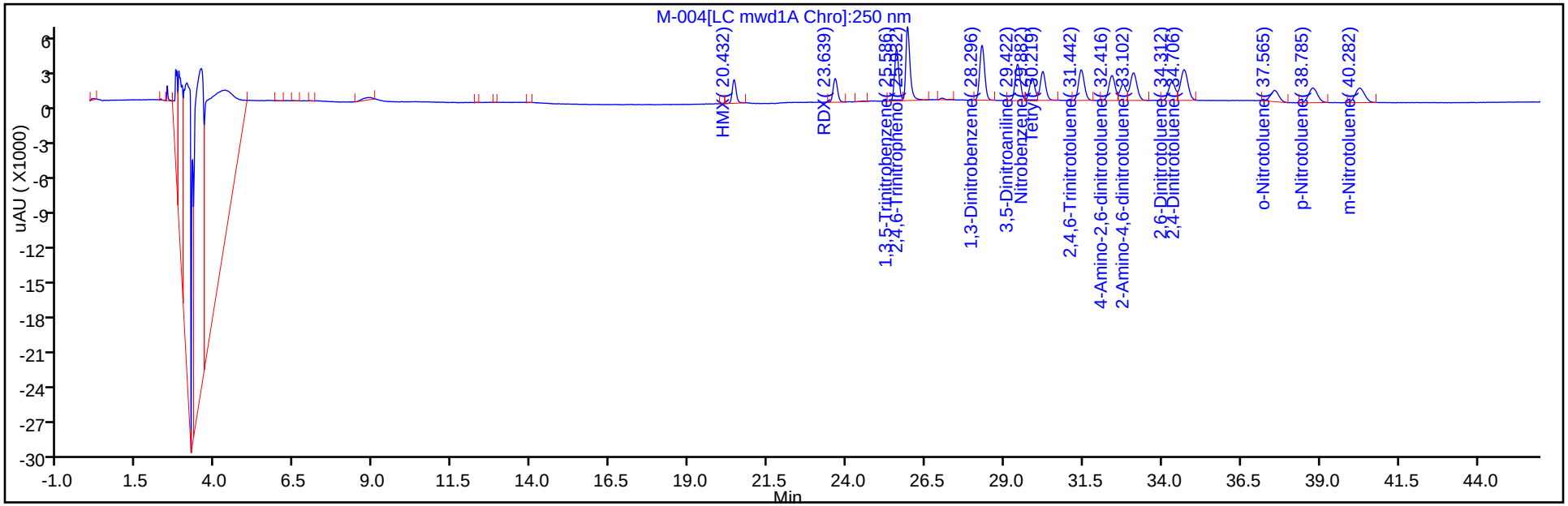
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:08:39 Chrom Revision: 2.1 16-Sep-2012 09:37:06

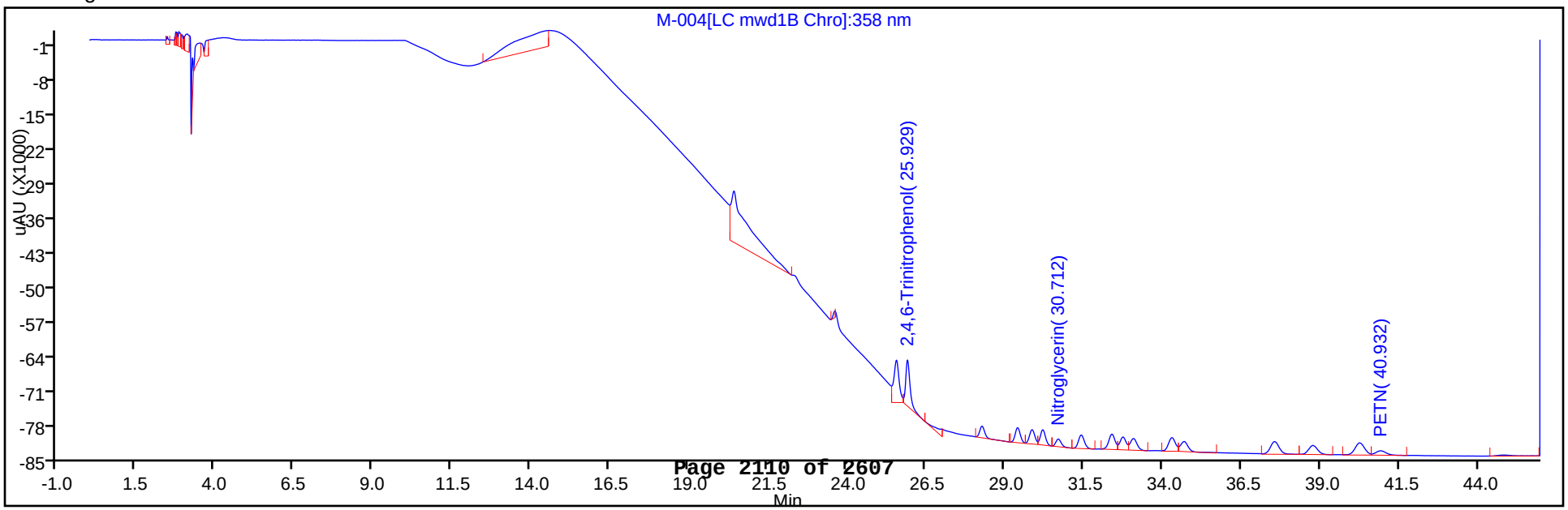
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-004.D		
Injection Date:	30-Apr-2012 16:46:47	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

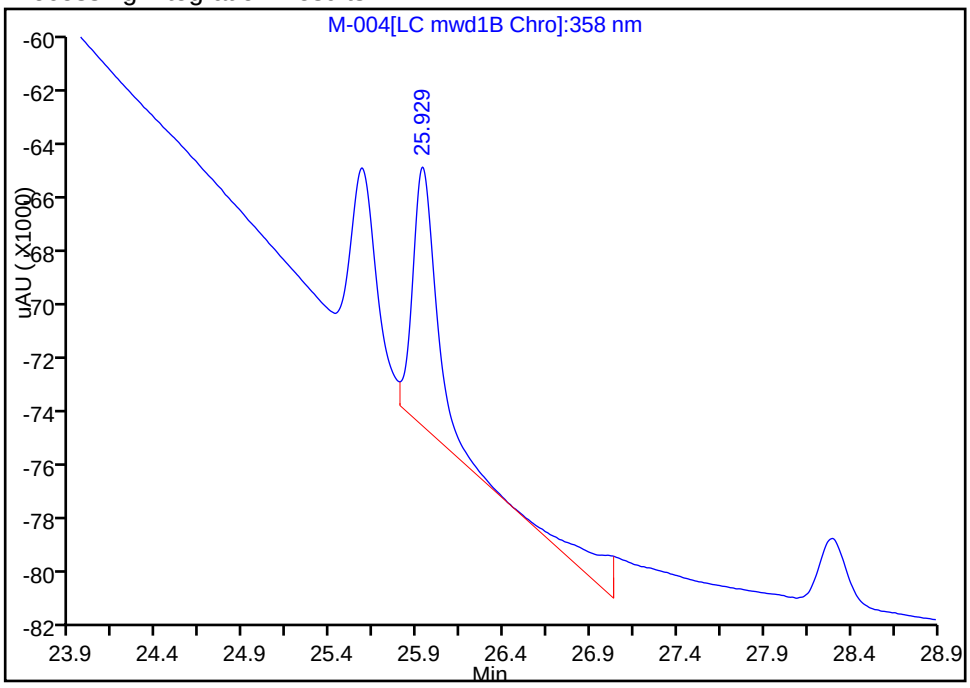
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-004.D		
Injection Date:	30-Apr-2012 16:46:47	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

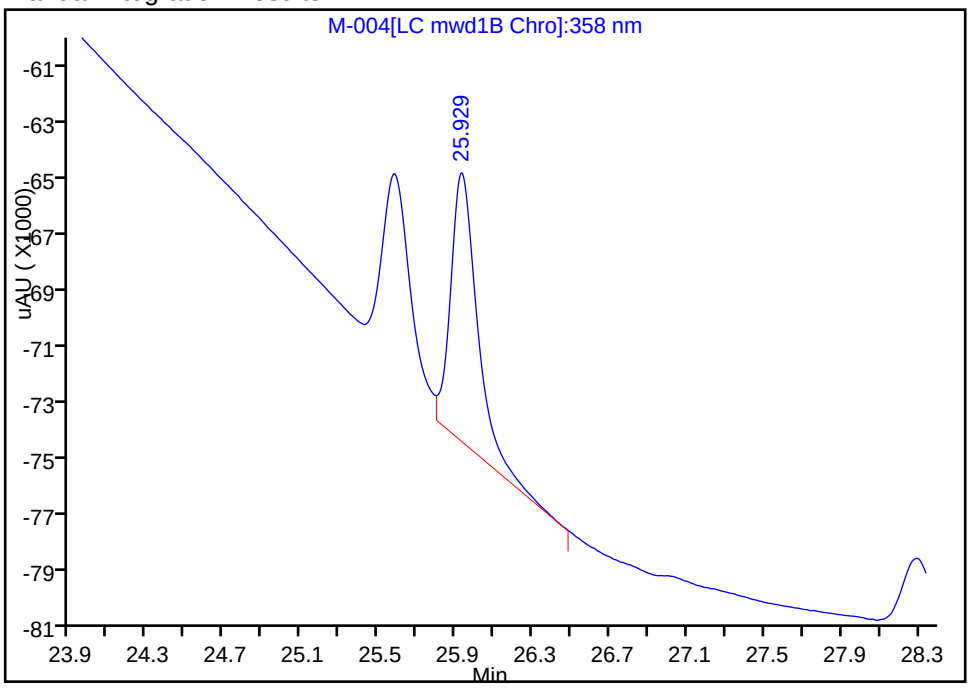
Processing Integration Results

RT: 25.93
Response: 9369
Amount: 49.523395



Manual Integration Results

RT: 25.93
Response: 9369
Amount: 49.436932



Reviewer: noonanr, 27-Aug-2012 15:44:08
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-005.D		
Lims ID:	STD04	Client ID:	
Inject. Date:	30-Apr-2012 17:43:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD_04 HP8330L4_00001 50 ng/mL;1;		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	14
Lims Batch ID:	1385	Lims Sample ID:	5
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m		
Last Update:	18-Sep-2012 15:07:51	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK014		

First Level Reviewer: noonanr Date: 27-Aug-2012 15:48:38

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.412	20.410	0.002	4856	51.5	
19 RDX						
1	23.639	23.647	-0.008	4864	51.7	
27 1,3,5-Trinitrobenzene						
1	25.589	25.600	-0.011	10822	50.2	
10 2,4,6-Trinitrophenol						M
2	25.926	25.923	0.003	19681	103.8	M
1	25.926	25.923	0.003	13435	108.7	
24 1,3-Dinitrobenzene						
1	28.302	28.323	-0.021	11534	50.4	
9 3,5-Dinitroaniline						
1	29.429	29.453	-0.024	7544	50.1	
5 Nitrobenzene						
1	29.896	29.920	-0.024	4968	50.5	
20 Tetryl						
1	30.226	30.250	-0.024	6028	49.1	
7 Nitroglycerin						
2	30.716	30.743	-0.027	4254	47.2	
25 2,4,6-Trinitrotoluene						
1	31.449	31.477	-0.028	6413	49.4	
26 4-Amino-2,6-dinitrotoluene						
1	32.426	32.457	-0.031	5157	49.4	
$ 30 3,4-Dinitrotoluene						
1	32.772	32.810	-0.038	3466	49.7	
2	32.776	32.807	-0.031	6671	51.7	
6 2-Amino-4,6-dinitrotoluene						
1	33.112	33.147	-0.035	5740	49.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.332	34.373	-0.041	3937	49.4	
23 2,4-Dinitrotoluene						
1	34.722	34.760	-0.038	6438	49.3	
16 o-Nitrotoluene						
1	37.599	37.646	-0.047	2536	48.9	
15 p-Nitrotoluene						
1	38.812	38.866	-0.054	3331	50.2	
8 m-Nitrotoluene						
1	40.299	40.356	-0.057	3279	50.1	
21 PETN						
2	40.962	41.016	-0.054	2481	48.3	

QC Flag Legend

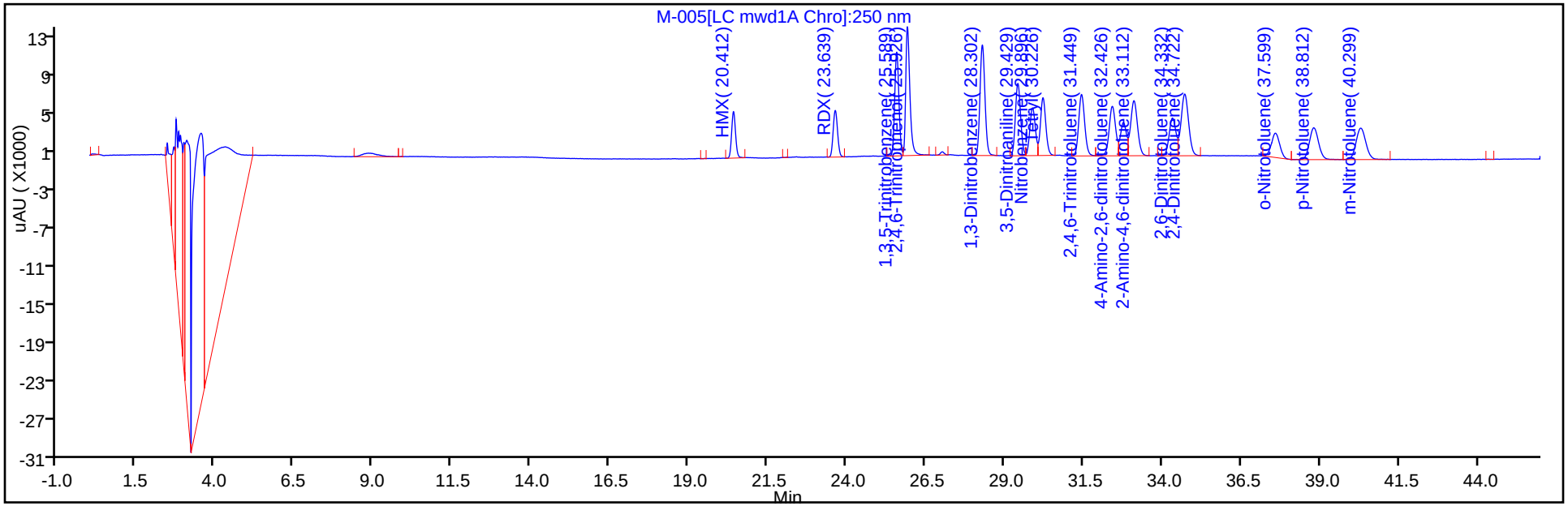
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:07:52 Chrom Revision: 2.1 16-Sep-2012 09:37:06

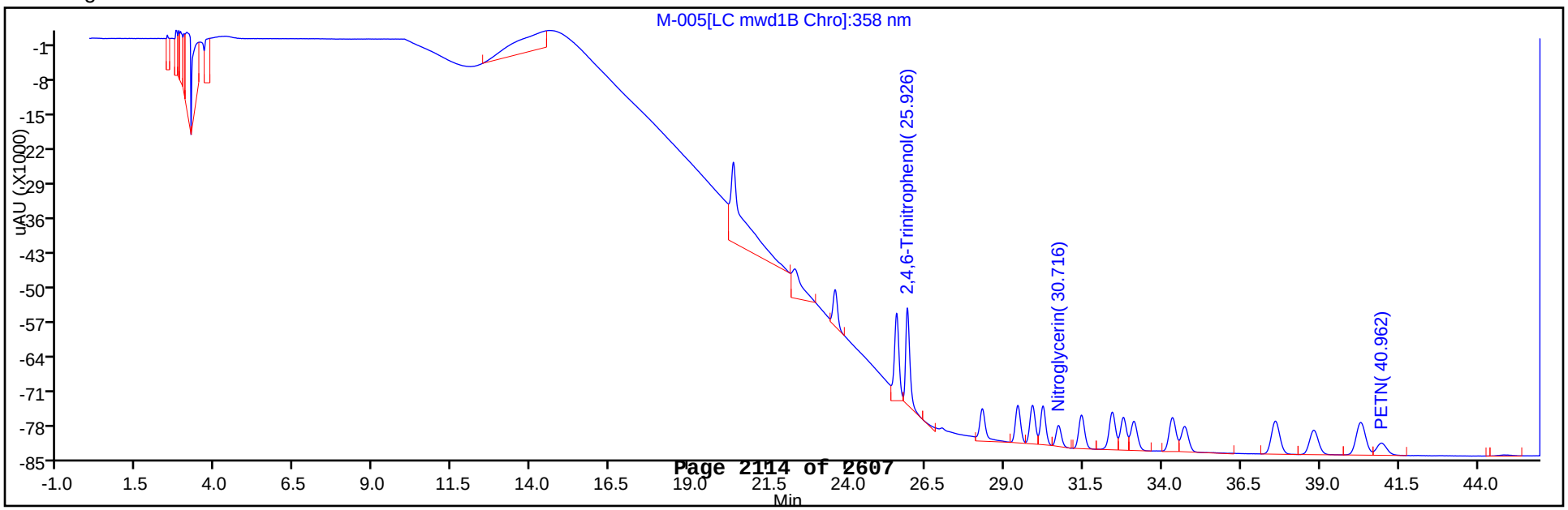
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-005.D		
Injection Date:	30-Apr-2012 17:43:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

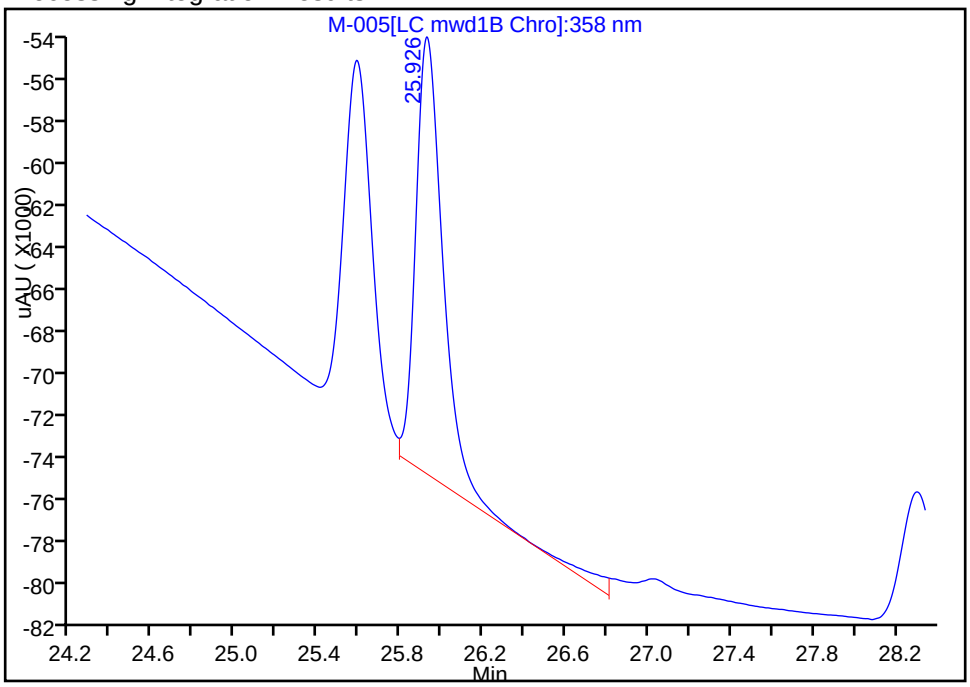
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-005.D		
Injection Date:	30-Apr-2012 17:43:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

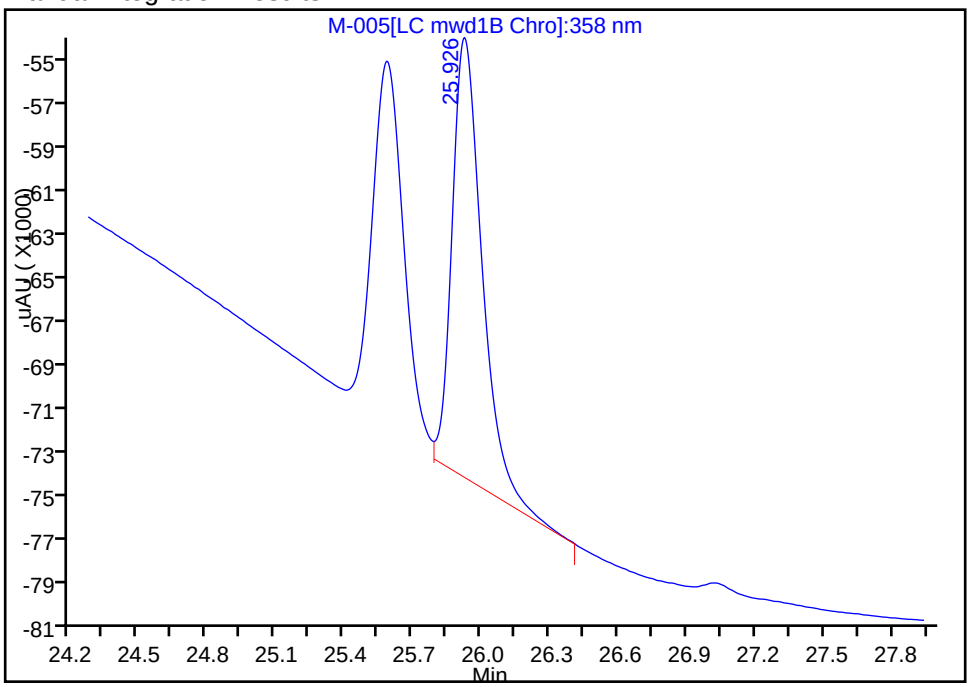
Processing Integration Results

RT: 25.93
Response: 19682
Amount: 103.6279



Manual Integration Results

RT: 25.93
Response: 19681
Amount: 103.8497



Reviewer: noonanr, 27-Aug-2012 15:48:38
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-006.D
Lims ID: STD05 Client ID:
Inject. Date: 30-Apr-2012 18:40:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD_05 HP8330L5_00001 100 ng/mL;1;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 1385 Lims Sample ID: 6
Sublist: chrom-8330 Metab LC11*sub1

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:07:52 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 27-Aug-2012 15:49:15

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.410	20.410	0.0	10069	106.9	
19 RDX						
1	23.647	23.647	0.0	10088	107.3	
27 1,3,5-Trinitrobenzene						
1	25.600	25.600	0.0	22384	103.9	
10 2,4,6-Trinitrophenol						
2	25.923	25.923	0.0	39801	210.0	
1	25.923	25.923	0.0	26964	218.1	
24 1,3-Dinitrobenzene						
1	28.323	28.323	0.0	23930	104.7	
9 3,5-Dinitroaniline						
1	29.453	29.453	0.0	15470	102.8	
5 Nitrobenzene						
1	29.920	29.920	0.0	10299	104.6	
20 Tetryl						
1	30.250	30.250	0.0	12504	101.8	
7 Nitroglycerin						
2	30.743	30.743	0.0	9410	104.5	
25 2,4,6-Trinitrotoluene						
1	31.477	31.477	0.0	13278	102.2	
26 4-Amino-2,6-dinitrotoluene						
1	32.457	32.457	0.0	10584	101.4	
$ 30 3,4-Dinitrotoluene						
1	32.810	32.810	0.0	7342	105.2	
2	32.807	32.807	0.0	14177	109.8	
6 2-Amino-4,6-dinitrotoluene						
1	33.147	33.147	0.0	11777	101.8	

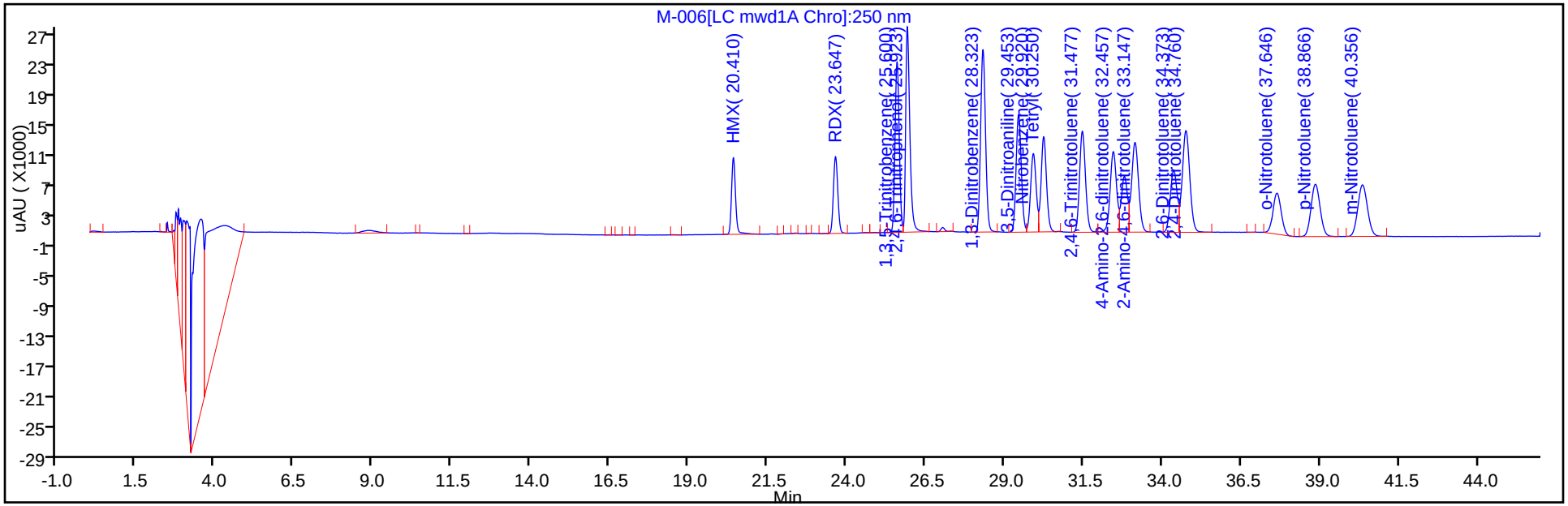
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.373	34.373	0.0	8144	102.2	
23 2,4-Dinitrotoluene						
1	34.760	34.760	0.0	13349	102.3	
16 o-Nitrotoluene						
1	37.646	37.646	0.0	5385	103.9	
15 p-Nitrotoluene						
1	38.866	38.866	0.0	6869	103.4	
8 m-Nitrotoluene						
1	40.356	40.356	0.0	6772	103.5	
21 PETN						
2	41.016	41.016	0.0	5318	103.6	

Report Date: 18-Sep-2012 15:07:53 Chrom Revision: 2.1 16-Sep-2012 09:37:06

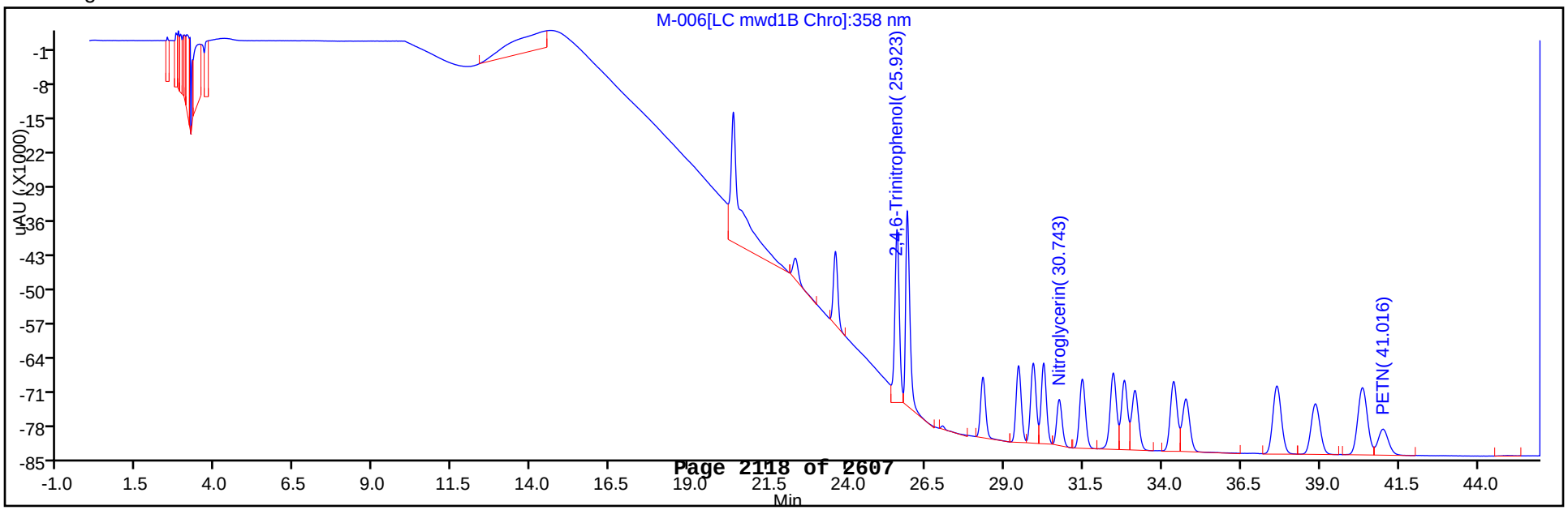
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-006.D		
Injection Date:	30-Apr-2012 18:40:40	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-007.D		
Lims ID:	STD06	Client ID:	
Inject. Date:	30-Apr-2012 19:37:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD_06 HP8330L6_00001 200 ng/mL;1;		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	16
Lims Batch ID:	1385	Lims Sample ID:	7
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m		
Last Update:	18-Sep-2012 15:07:53	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK014		

First Level Reviewer: noonanr Date: 27-Aug-2012 15:49:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.405	20.410	-0.005	19384	205.7	
19 RDX						
1	23.638	23.647	-0.009	19228	204.6	
27 1,3,5-Trinitrobenzene						
1	25.588	25.600	-0.012	44026	204.4	
10 2,4,6-Trinitrophenol						
2	25.878	25.923	-0.045	92902	490.2	
1	25.878	25.923	-0.045	64148	518.8	
24 1,3-Dinitrobenzene						
1	28.308	28.323	-0.015	46932	205.2	
9 3,5-Dinitroaniline						
1	29.435	29.453	-0.018	30834	205.0	
5 Nitrobenzene						
1	29.901	29.920	-0.019	20168	204.9	
20 Tetryl						
1	30.231	30.250	-0.019	24878	202.6	
7 Nitroglycerin						
2	30.725	30.743	-0.018	18919	210.1	
25 2,4,6-Trinitrotoluene						
1	31.455	31.477	-0.022	26424	203.4	
26 4-Amino-2,6-dinitrotoluene						
1	32.435	32.457	-0.022	21329	204.4	
$ 30 3,4-Dinitrotoluene						
1	32.785	32.810	-0.025	14604	209.2	
2	32.785	32.807	-0.022	28143	218.0	
6 2-Amino-4,6-dinitrotoluene						
1	33.118	33.147	-0.029	23637	204.3	

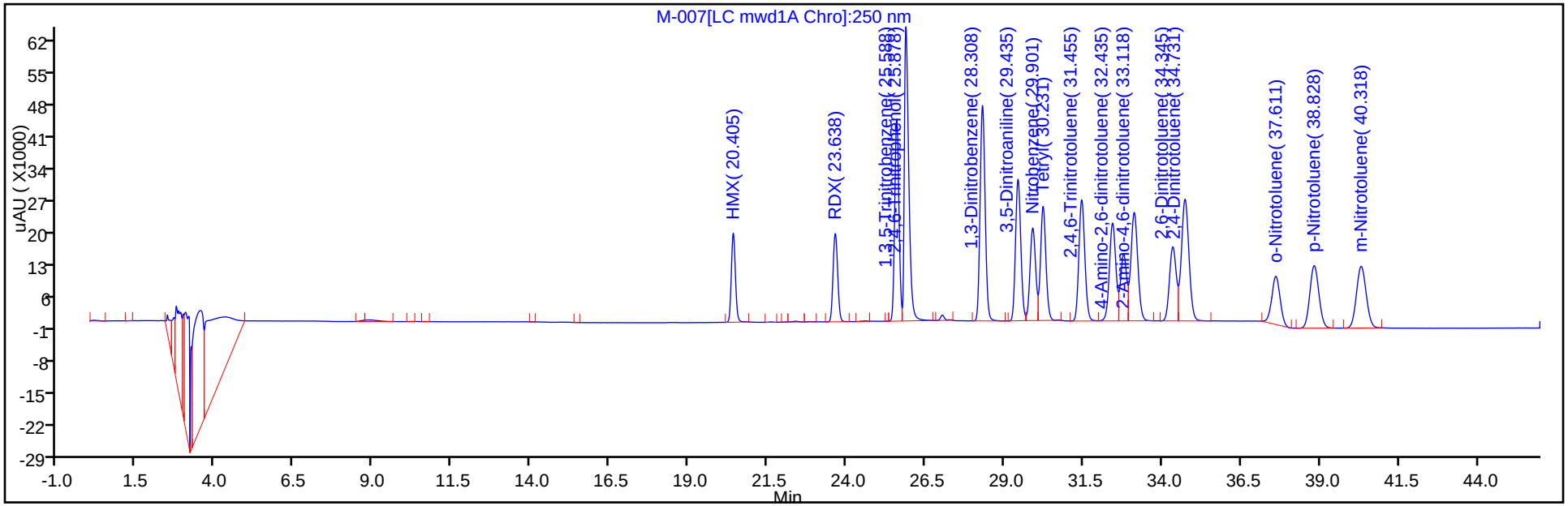
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.345	34.373	-0.028	16155	202.7	
23 2,4-Dinitrotoluene						
1	34.731	34.760	-0.029	26536	203.3	
16 o-Nitrotoluene						
1	37.611	37.646	-0.035	10507	202.8	
15 p-Nitrotoluene						
1	38.828	38.866	-0.038	13630	205.2	
8 m-Nitrotoluene						
1	40.318	40.356	-0.038	13457	205.7	
21 PETN						
2	40.965	41.016	-0.051	10689	208.3	

Report Date: 18-Sep-2012 15:07:53 Chrom Revision: 2.1 16-Sep-2012 09:37:06

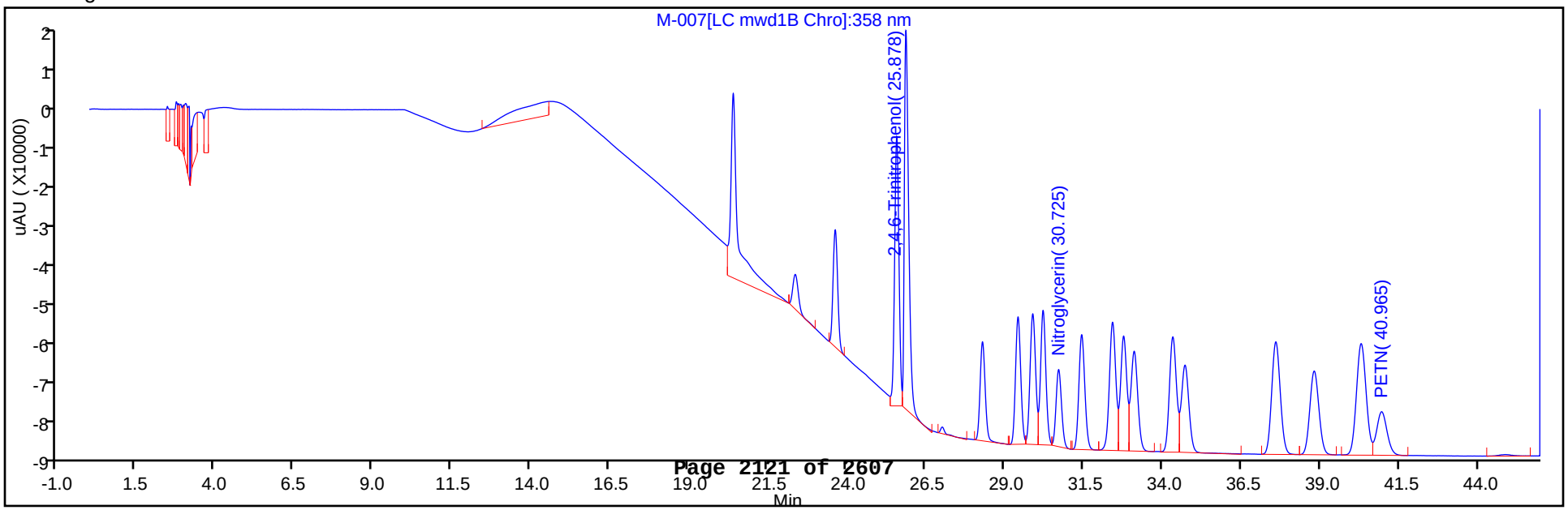
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-007.D		
Injection Date:	30-Apr-2012 19:37:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-008.D
Lims ID: STD07 Client ID:
Inject. Date: 30-Apr-2012 20:34:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD_07 HP8330L7_00001 500 ng/mL;1;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 17
Lims Batch ID: 1385 Lims Sample ID: 8
Sublist: chrom-8330 Metab LC11*sub1

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:07:54 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 27-Aug-2012 15:50:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.371	20.410	-0.039	44272	469.9	
19 RDX						
1	23.614	23.647	-0.033	43431	462.0	
27 1,3,5-Trinitrobenzene						
1	25.574	25.600	-0.026	105011	487.5	
10 2,4,6-Trinitrophenol						
2	25.828	25.923	-0.095	164503	868.0	
1	25.828	25.923	-0.095	116896	945.4	
24 1,3-Dinitrobenzene						
1	28.294	28.323	-0.029	112318	491.2	
9 3,5-Dinitroaniline						
1	29.418	29.453	-0.035	74363	494.3	
5 Nitrobenzene						
1	29.888	29.920	-0.032	48708	494.9	
20 Tetryl						
1	30.218	30.250	-0.032	61501	500.9	
7 Nitroglycerin						
2	30.711	30.743	-0.032	47786	530.7	
25 2,4,6-Trinitrotoluene						
1	31.441	31.477	-0.036	65191	501.9	
26 4-Amino-2,6-dinitrotoluene						
1	32.418	32.457	-0.039	52367	501.9	
$ 30 3,4-Dinitrotoluene						
1	32.771	32.810	-0.039	21929	314.1	
2	32.771	32.807	-0.036	42103	326.1	
6 2-Amino-4,6-dinitrotoluene						
1	33.104	33.147	-0.043	57857	500.0	

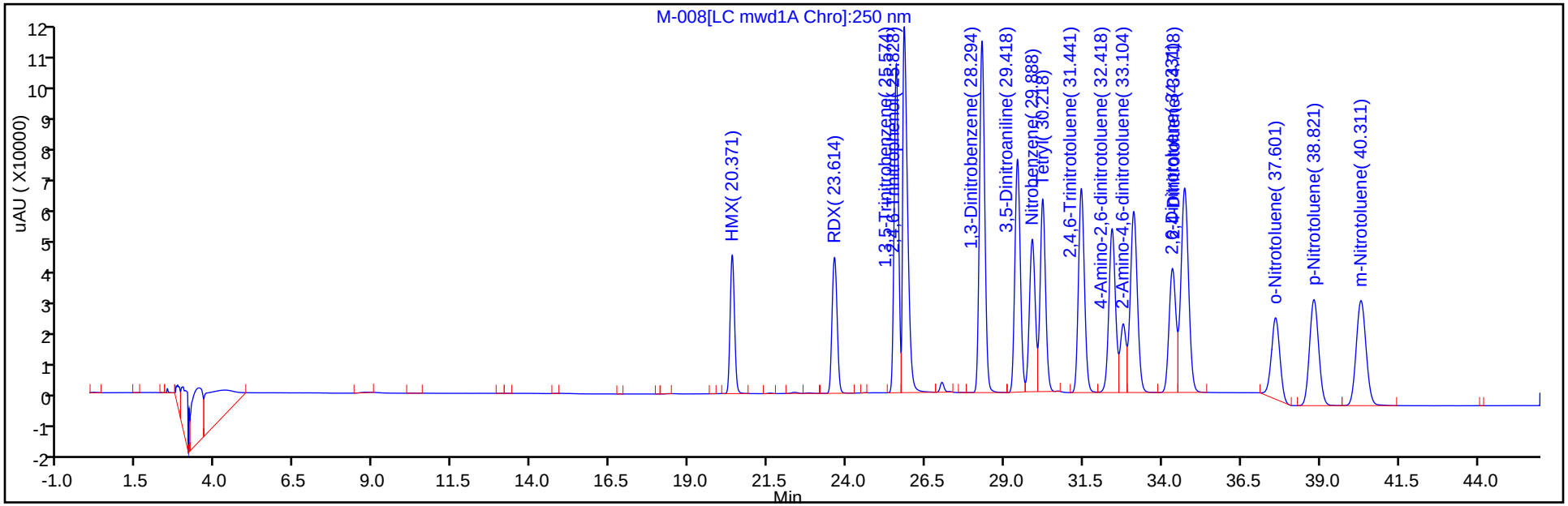
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.331	34.373	-0.042	39632	497.3	
23 2,4-Dinitrotoluene						
1	34.718	34.760	-0.042	65308	500.3	
16 o-Nitrotoluene						
1	37.601	37.646	-0.045	26010	502.0	
15 p-Nitrotoluene						
1	38.821	38.866	-0.045	33897	510.4	
8 m-Nitrotoluene						
1	40.311	40.356	-0.045	33577	513.2	
21 PETN						
2	40.961	41.016	-0.055	26575	517.8	

Report Date: 18-Sep-2012 15:07:54 Chrom Revision: 2.1 16-Sep-2012 09:37:06

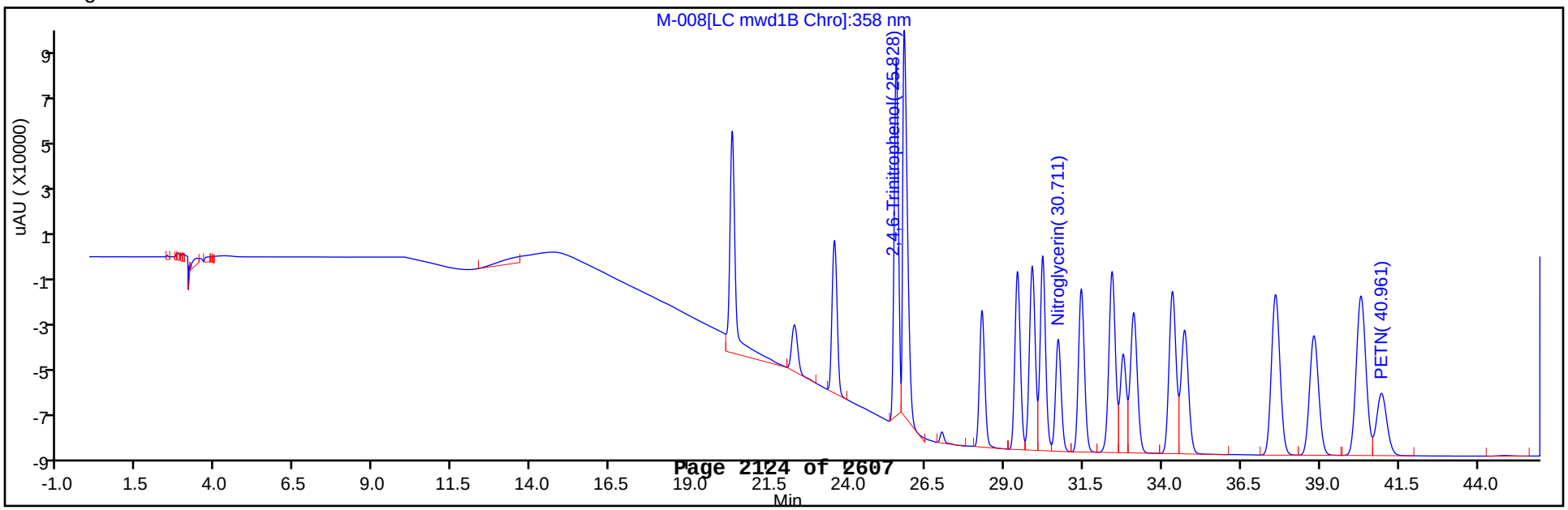
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-008.D		
Injection Date:	30-Apr-2012 20:34:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Lims ID:	STD08	Client ID:	
Inject. Date:	30-Apr-2012 21:31:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD_08 HP8330L8_00001 1000 ng/mL;1;		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	18
Lims Batch ID:	1385	Lims Sample ID:	9
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m		
Last Update:	18-Sep-2012 15:07:55	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK014		

First Level Reviewer: noonanr Date: 27-Aug-2012 16:03:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.360	20.410	-0.050	70622	749.6	
19 RDX						
1	23.600	23.647	-0.047	68761	731.5	
27 1,3,5-Trinitrobenzene						
1	25.560	25.600	-0.040	188229	873.8	
10 2,4,6-Trinitrophenol						M
2	25.747	25.923	-0.176	287523	1517.2	M
1	25.747	25.923	-0.176	205473	1661.8	
24 1,3-Dinitrobenzene						
1	28.277	28.323	-0.046	202704	886.5	
9 3,5-Dinitroaniline						
1	29.404	29.453	-0.049	135977	903.8	
5 Nitrobenzene						
1	29.870	29.920	-0.050	88896	903.2	
20 Tetryl						
1	30.210	30.250	-0.040	120941	985.0	
7 Nitroglycerin						
2	30.700	30.743	-0.043	93287	1036.1	
25 2,4,6-Trinitrotoluene						
1	31.430	31.477	-0.047	126740	975.7	
26 4-Amino-2,6-dinitrotoluene						
1	32.400	32.457	-0.057	99890	957.3	
$ 30 3,4-Dinitrotoluene						
1	32.757	32.810	-0.053	36090	517.0	
2	32.757	32.807	-0.050	68786	532.8	
6 2-Amino-4,6-dinitrotoluene						
1	33.084	33.147	-0.063	109870	949.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.317	34.373	-0.056	76622	961.5	
23 2,4-Dinitrotoluene						
1	34.700	34.760	-0.060	126122	966.1	
16 o-Nitrotoluene						
1	37.577	37.646	-0.069	49792	961.1	
15 p-Nitrotoluene						
1	38.794	38.866	-0.072	65856	991.6	
8 m-Nitrotoluene						
1	40.280	40.356	-0.076	65463	1000.6	
21 PETN						
2	40.940	41.016	-0.076	53251	1037.5	

QC Flag Legend

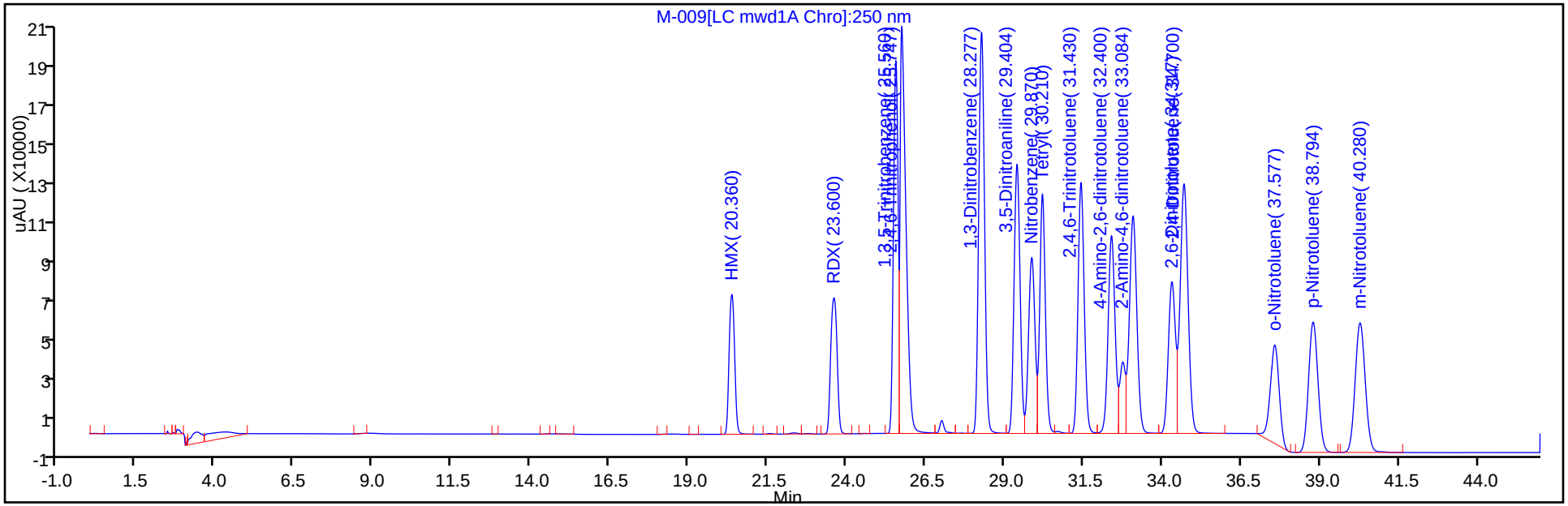
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:07:55 Chrom Revision: 2.1 16-Sep-2012 09:37:06

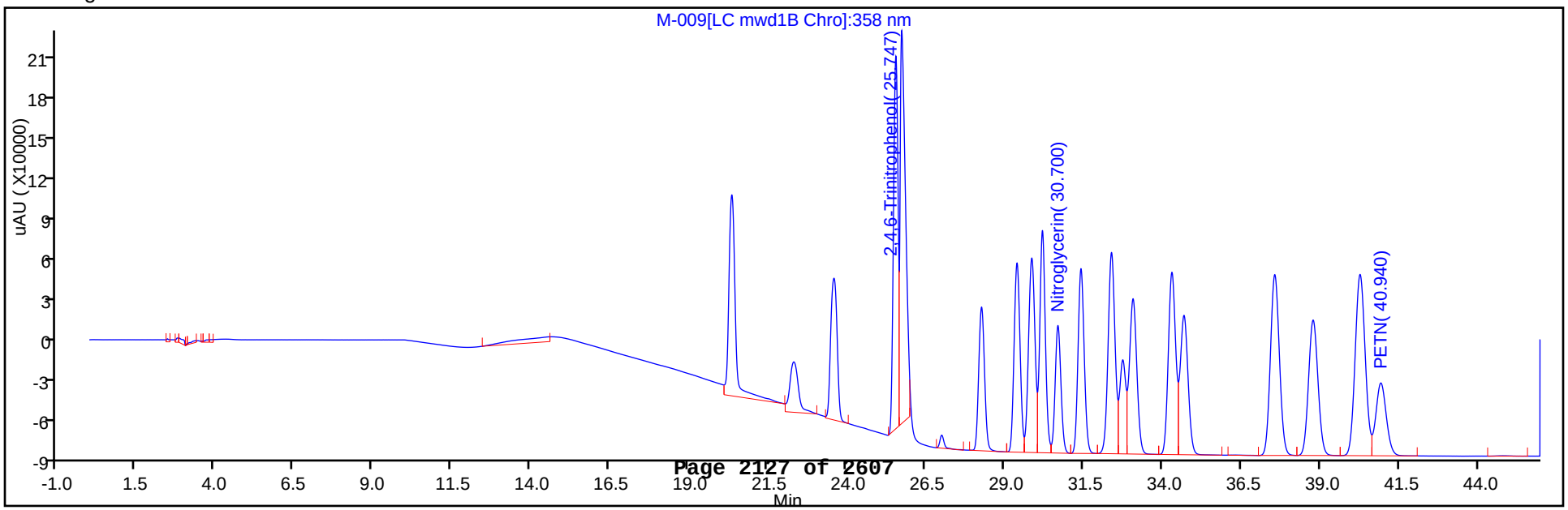
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Injection Date:	30-Apr-2012 21:31:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Injection Date:	30-Apr-2012 21:31:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

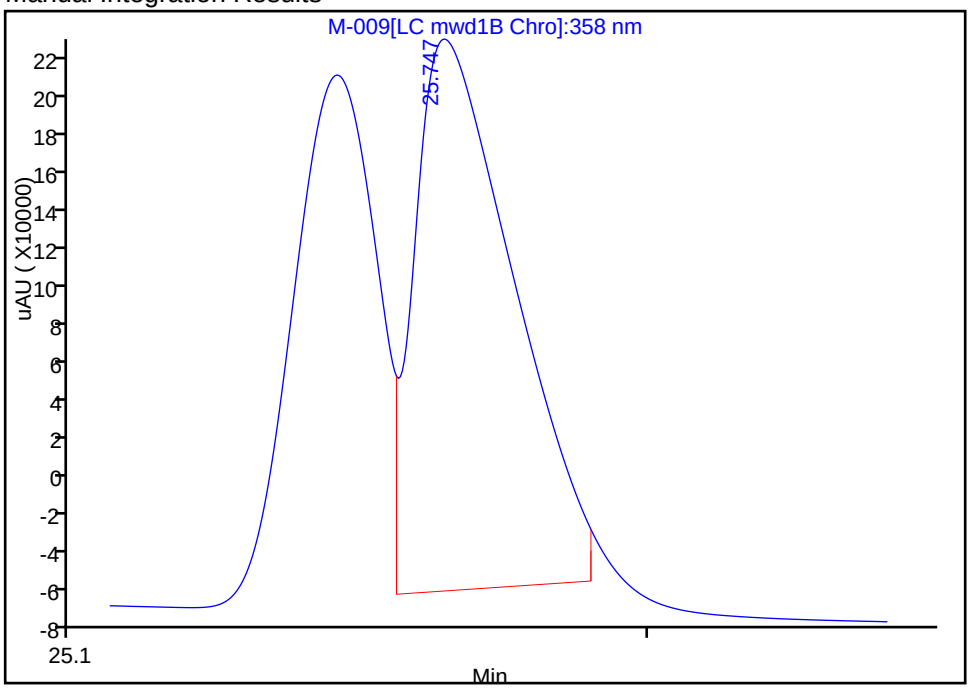
10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

Processing Integration Results

RT: 0.00
Response: 0
Amount: 0

Manual Integration Results

RT: 25.75
Response: 287523
Amount: 1517.1582



Reviewer: noonanr, 27-Aug-2012 16:02:42
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 10422

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Nitrobenzene	22.647	22.792	22.724	22.701	22.719	22.685	22.683	22.568			22.469 - 22.969	22.690
Ethylene glycol dinitrate			23.951	23.961	23.972	23.939	23.960	23.865			23.722 - 24.222	23.941
1,3-Dinitrobenzene	25.801	25.899	25.831	25.814	25.819	25.792	25.813	25.688			25.569 - 26.069	25.807
1,3,5-Trinitrobenzene	28.744	28.849	28.761	28.751	28.749	28.735	28.773	28.668			28.499 - 28.999	28.754
2-Nitrotoluene	29.854	29.992	29.921	29.887	29.882	29.862	29.913	29.735			29.632 - 30.132	29.881
4-Nitrotoluene	29.854	29.992	29.921	29.887	29.882	29.862	29.913	29.735			29.632 - 30.132	29.881
3-Nitrotoluene	30.464	30.599	30.514	30.491	30.496	30.475	30.523	30.328			30.246 - 30.746	30.486
3,5-Dinitroaniline	31.874	32.025	31.918	31.881	31.889	31.872	31.940	31.755			31.639 - 32.139	31.894
RDX	32.451	32.639	32.521	32.497	32.489	32.469	32.540	32.298			32.239 - 32.739	32.488
2,4-Dinitrotoluene	33.711	33.875	33.758	33.734	33.726	33.715	33.780	33.595			33.476 - 33.976	33.737
2,6-Dinitrotoluene	34.721	34.859	34.768	34.741	34.739	34.725	34.796	34.605			34.489 - 34.989	34.744
2-Amino-4,6-dinitrotoluene	36.767	36.972	36.844	36.807	36.802	36.782	36.886	36.671			36.552 - 37.052	36.816
4-Amino-2,6-dinitrotoluene	37.384	37.515	37.418	37.394	37.376	37.362	37.456	37.255			37.126 - 37.626	37.395
2,4,6-Trinitrotoluene	41.221	41.309	41.224	41.207	41.196	41.189	41.263	41.145			40.946 - 41.446	41.219
HMX	42.604	42.739	42.648	42.614	42.609	42.595	42.690	42.541			42.359 - 42.859	42.630
Nitroglycerin			45.151	45.127	45.139	45.115	45.223	45.088			44.889 - 45.389	45.141
Tetryl	46.727	46.829	46.744	46.711	46.719	46.695	46.816	46.668			46.469 - 46.969	46.739
PETN			53.101	53.074	53.082	53.039	53.166	53.048			52.832 - 53.332	53.085
3,4-Dinitrotoluene	39.014	39.169	39.041	39.004	38.999	38.979	39.073	38.891			38.749 - 39.249	39.021

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 10422

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.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 7	LVL 4 LVL 8		B	M1	M2								
Nitrobenzene	51.000	51.800	49.600	49.780	Ave		48.3402500				9.6		20.0			
	51.610	49.560	45.418	37.954												
Ethylene glycol dinitrate			24.000	22.960	Ave		21.8763333				8.6		20.0			
	22.300	22.135	21.404	18.459												
1,3-Dinitrobenzene	112.80	111.60	108.80	106.94	Ave		106.057000				7.8		20.0			
	111.57	107.36	101.91	87.481												
1,3,5-Trinitrobenzene	87.200	86.300	83.750	81.120	Ave		82.1397500				5.4		20.0			
	83.750	81.460	80.706	72.832												
2-Nitrotoluene	69.800	66.600	65.200	61.820	Ave		63.4711250				8.0		20.0			
	66.450	64.130	60.696	53.073												
4-Nitrotoluene	69.800	66.600	65.200	61.820	Ave		63.4711250				8.0		20.0			
	66.450	64.130	60.696	53.073												
3-Nitrotoluene	48.600	45.100	44.050	40.780	Ave		42.3773750				9.4		20.0			
	43.300	41.840	40.234	35.115												
3,5-Dinitroaniline	93.600	89.200	85.500	80.740	Ave		82.3305000				9.7		20.0			
	84.090	81.130	77.098	67.286												
RDX	59.600	54.000	51.400	47.540	Ave		49.0372500				12.0		20.0			
	48.330	46.555	45.108	39.765												
2,4-Dinitrotoluene	89.600	91.800	90.950	88.020	Ave		88.3425000				5.5		20.0			
	92.530	89.960	86.594	77.286												
2,6-Dinitrotoluene	55.000	56.600	55.400	53.420	Ave		53.6290000				5.3		20.0			
	54.920	53.555	52.806	47.331												
2-Amino-4,6-dinitrotoluene	69.800	78.200	75.750	75.660	Ave		74.4017500				6.2		20.0			
	78.190	76.745	75.752	65.117												
4-Amino-2,6-dinitrotoluene	70.600	72.200	70.750	70.380	Ave		70.3133750				4.6		20.0			
	73.020	72.060	70.936	62.561												
2,4,6-Trinitrotoluene	86.400	90.300	85.250	84.240	Ave		87.9188750				6.5		20.0			
	96.600	95.185	85.510	79.866												

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 10422

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

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 7	LVL 4 LVL 8		B	M1	M2								
HMX	65.600 66.080	66.700 65.275	67.050 65.788	65.060 60.901	Ave		65.3067500				2.9		20.0			
Nitroglycerin	 87.830	 89.345	91.650 94.326	94.100 91.734	Ave		91.4975000				2.8		20.0			
Tetryl	115.60 135.04	115.70 133.31	113.25 114.99	112.12 111.50	Ave		118.937750				8.0		20.0			
PETN	 141.91	 142.71	146.35 151.90	148.06 149.64	Ave		146.761000				2.7		20.0			
3,4-Dinitrotoluene	56.000 53.590	55.900 53.170	53.100 53.943	53.400 48.234	Ave		53.4171667				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 10422

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitrobenzene	Ave	255 9912	518 22709	992 37954	2489	5161	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	 4427	 10702	480 18459	1148	2230	 200	 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	564 21471	1116 50955	2176 87481	5347	11157	5.00 200	10.0 500	20.0 1000	50.0	100
1,3,5-Trinitrobenzene	Ave	436 16292	863 40353	1675 72832	4056	8375	5.00 200	10.0 500	20.0 1000	50.0	100
2-Nitrotoluene	Ave	349 12826	666 30348	1304 53073	3091	6645	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	349 12826	666 30348	1304 53073	3091	6645	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	243 8368	451 20117	881 35115	2039	4330	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	468 16226	892 38549	1710 67286	4037	8409	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	298 9311	540 22554	1028 39765	2377	4833	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	448 17992	918 43297	1819 77286	4401	9253	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	275 10711	566 26403	1108 47331	2671	5492	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	349 15349	782 37876	1515 65117	3783	7819	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	353 14412	722 35468	1415 62561	3519	7302	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	432 19037	903 42755	1705 79866	4212	9660	5.00 200	10.0 500	20.0 1000	50.0	100
HMX	Ave	328 13055	667 32894	1341 60901	3253	6608	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1 Analy Batch No.: 10422

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitroglycerin	Ave	17869	47163	1833 91734	4705	8783	200	500	20.0 1000	50.0	100
Tetryl	Ave	578 26661	1157 57496	2265 111495	5606	13504	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	28542	75949	2927 149638	7403	14191	200	500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	280 10634	559 16183	1062 24117	2670	5359	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000003.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	13-Feb-2013 17:16:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	320-0002792-002		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	11
Lims Batch ID:	10422	Lims Sample ID:	2
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:13	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:29:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.647	22.719	-0.072	255	5.28	
3 Ethylene glycol dinitrate						
2	23.981	23.972	0.009	122	5.58	
24 1,3-Dinitrobenzene						
1	25.801	25.819	-0.018	564	5.32	
27 1,3,5-Trinitrobenzene						
1	28.744	28.749	-0.005	436	5.31	
16 o-Nitrotoluene						
1	29.854	29.882	-0.028	349	5.50	
15 p-Nitrotoluene						
1	29.854	29.882	-0.028	349	5.50	
8 m-Nitrotoluene						
1	30.464	30.496	-0.032	243	5.73	
9 3,5-Dinitroaniline						
1	31.874	31.889	-0.015	468	5.68	
19 RDX						
1	32.451	32.489	-0.038	298	6.08	
23 2,4-Dinitrotoluene						
1	33.711	33.726	-0.015	448	5.07	
12 2,6-Dinitrotoluene						
1	34.721	34.739	-0.018	275	5.13	
6 2-Amino-4,6-dinitrotoluene						
1	36.767	36.802	-0.035	349	4.69	
26 4-Amino-2,6-dinitrotoluene						
1	37.384	37.376	0.008	353	5.02	
$ 30 3,4-Dinitrotoluene						
1	39.014	38.999	0.015	280	5.24	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.221	41.196	0.025	432	4.91	
11 HMX						
1	42.604	42.609	-0.005	328	5.02	
7 Nitroglycerin						
2	45.137	45.139	-0.002	244	2.67	
20 Tetryl						
1	46.727	46.719	0.008	578	4.86	
21 PETN						
2	53.067	53.082	-0.015	744	5.07	

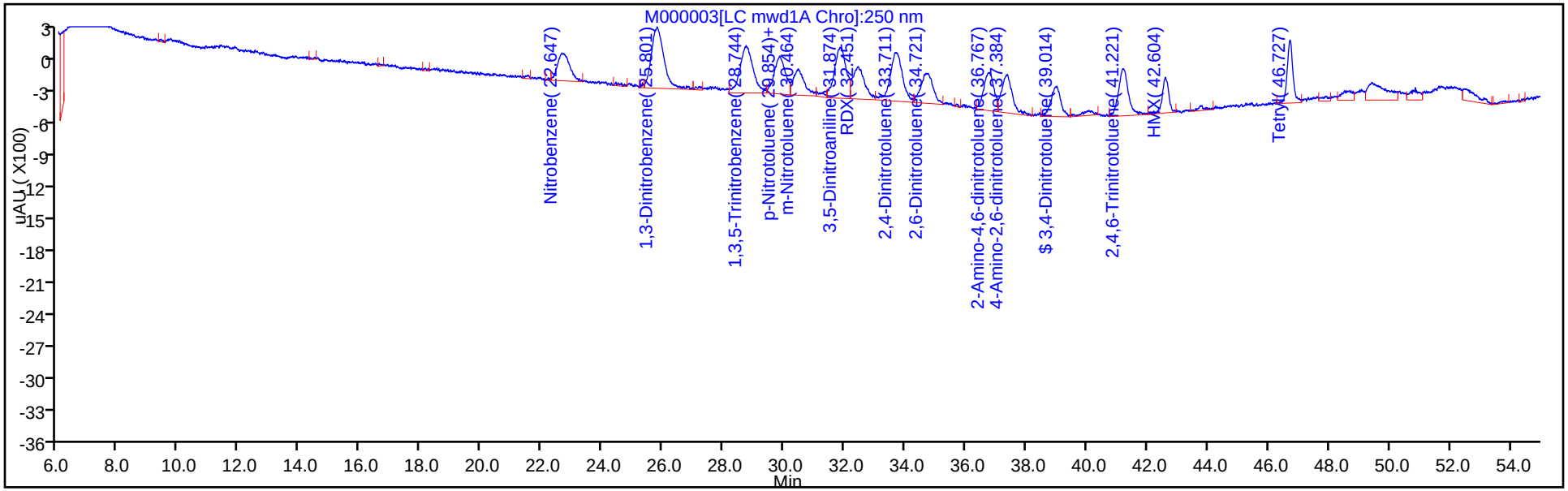
Report Date: 14-Feb-2013 07:52:14 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

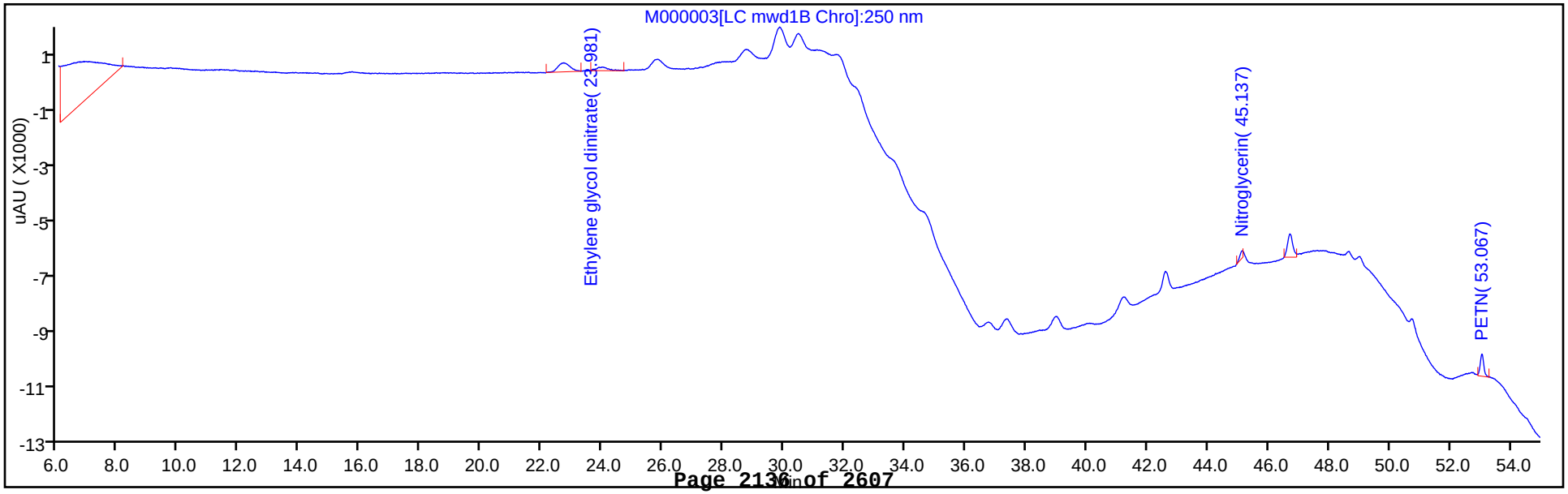
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Injection Date:	13-Feb-2013 17:16:36	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000004.D		
Lims ID:	STD02	Client ID:	
Inject. Date:	13-Feb-2013 18:22:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	320-0002792-003		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	12
Lims Batch ID:	10422	Lims Sample ID:	3
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:14	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:42:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.792	22.719	0.073	518	10.7	
3 Ethylene glycol dinitrate						
2	24.042	23.972	0.070	246	11.2	
24 1,3-Dinitrobenzene						
1	25.899	25.819	0.080	1116	10.5	
27 1,3,5-Trinitrobenzene						
1	28.849	28.749	0.100	863	10.5	
16 o-Nitrotoluene						
1	29.992	29.882	0.110	666	10.5	
15 p-Nitrotoluene						
1	29.992	29.882	0.110	666	10.5	
8 m-Nitrotoluene						
1	30.599	30.496	0.103	451	10.6	
9 3,5-Dinitroaniline						
1	32.025	31.889	0.136	892	10.8	
19 RDX						
1	32.639	32.489	0.150	540	11.0	
23 2,4-Dinitrotoluene						
1	33.875	33.726	0.149	918	10.4	
12 2,6-Dinitrotoluene						
1	34.859	34.739	0.120	566	10.6	
6 2-Amino-4,6-dinitrotoluene						
1	36.972	36.802	0.170	782	10.5	
26 4-Amino-2,6-dinitrotoluene						
1	37.515	37.376	0.139	722	10.3	
$ 30 3,4-Dinitrotoluene						
1	39.169	38.999	0.170	559	10.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.309	41.196	0.113	903	10.3	
11 HMX						
1	42.739	42.609	0.130	667	10.2	
7 Nitroglycerin						
2	45.239	45.139	0.100	540	5.90	
20 Tetryl						
1	46.829	46.719	0.110	1157	9.73	
21 PETN						
2	53.155	53.082	0.073	1475	10.1	

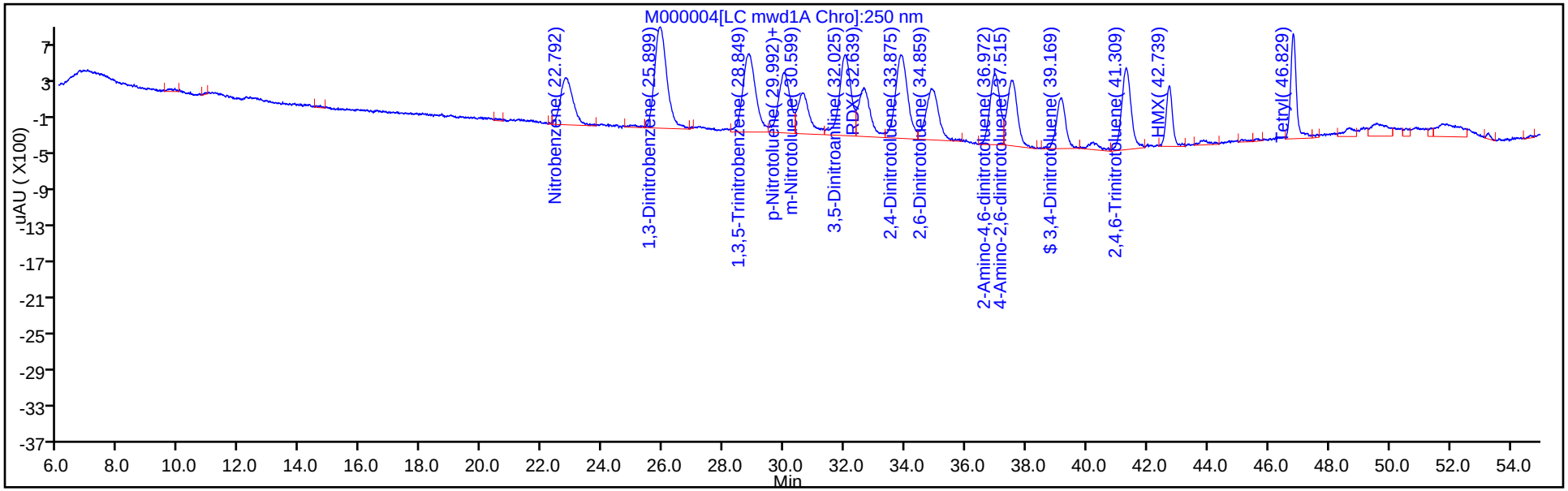
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TestAmerica Sacramento

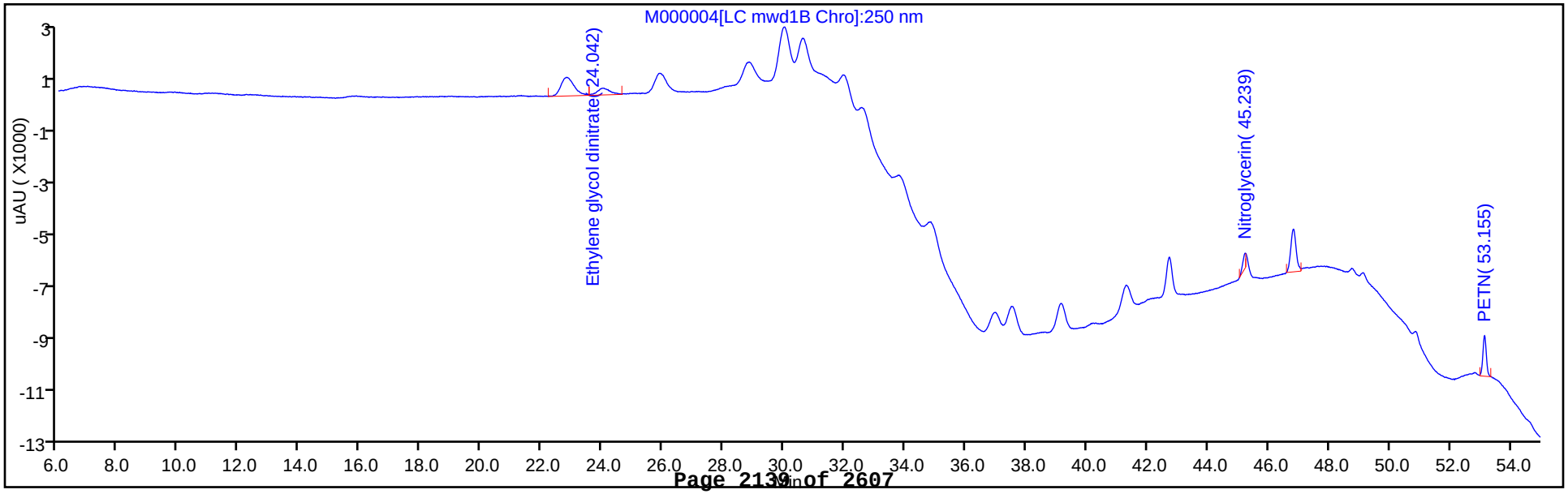
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Injection Date:	13-Feb-2013 18:22:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000005.D		
Lims ID:	STD03	Client ID:	
Inject. Date:	13-Feb-2013 19:27:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	320-0002792-004		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	13
Lims Batch ID:	10422	Lims Sample ID:	4
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:15	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:42:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.724	22.719	0.005	992	20.5	
3 Ethylene glycol dinitrate						
2	23.951	23.972	-0.021	480	21.9	
24 1,3-Dinitrobenzene						
1	25.831	25.819	0.012	2176	20.5	
27 1,3,5-Trinitrobenzene						
1	28.761	28.749	0.012	1675	20.4	
16 o-Nitrotoluene						
1	29.921	29.882	0.039	1304	20.5	
15 p-Nitrotoluene						
1	29.921	29.882	0.039	1304	20.5	
8 m-Nitrotoluene						
1	30.514	30.496	0.018	881	20.8	
9 3,5-Dinitroaniline						
1	31.918	31.889	0.029	1710	20.8	
19 RDX						
1	32.521	32.489	0.032	1028	21.0	
23 2,4-Dinitrotoluene						
1	33.758	33.726	0.032	1819	20.6	
12 2,6-Dinitrotoluene						
1	34.768	34.739	0.029	1108	20.7	
6 2-Amino-4,6-dinitrotoluene						
1	36.844	36.802	0.042	1515	20.4	
26 4-Amino-2,6-dinitrotoluene						
1	37.418	37.376	0.042	1415	20.1	
$ 30 3,4-Dinitrotoluene						
1	39.041	38.999	0.042	1062	19.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.224	41.196	0.028	1705	19.4	
11 HMX						
1	42.648	42.609	0.039	1341	20.5	
7 Nitroglycerin						
2	45.151	45.139	0.012	1833	20.0	
20 Tetryl						
1	46.744	46.719	0.025	2265	19.0	
21 PETN						
2	53.101	53.082	0.019	2927	19.9	

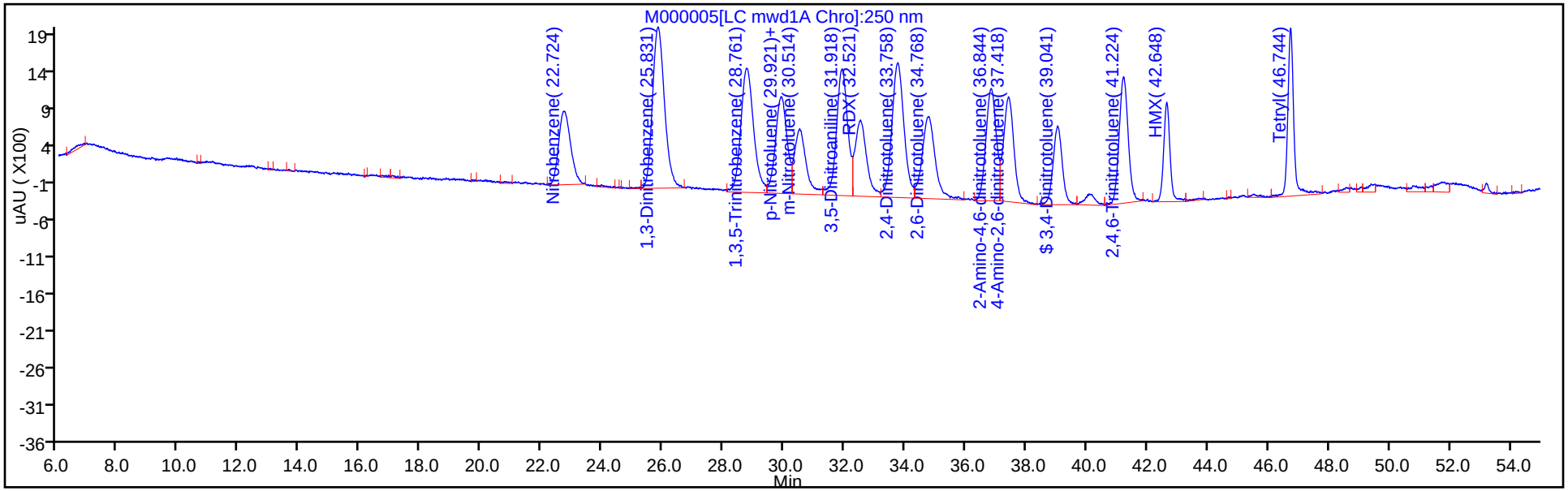
Report Date: 14-Feb-2013 07:52:16 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

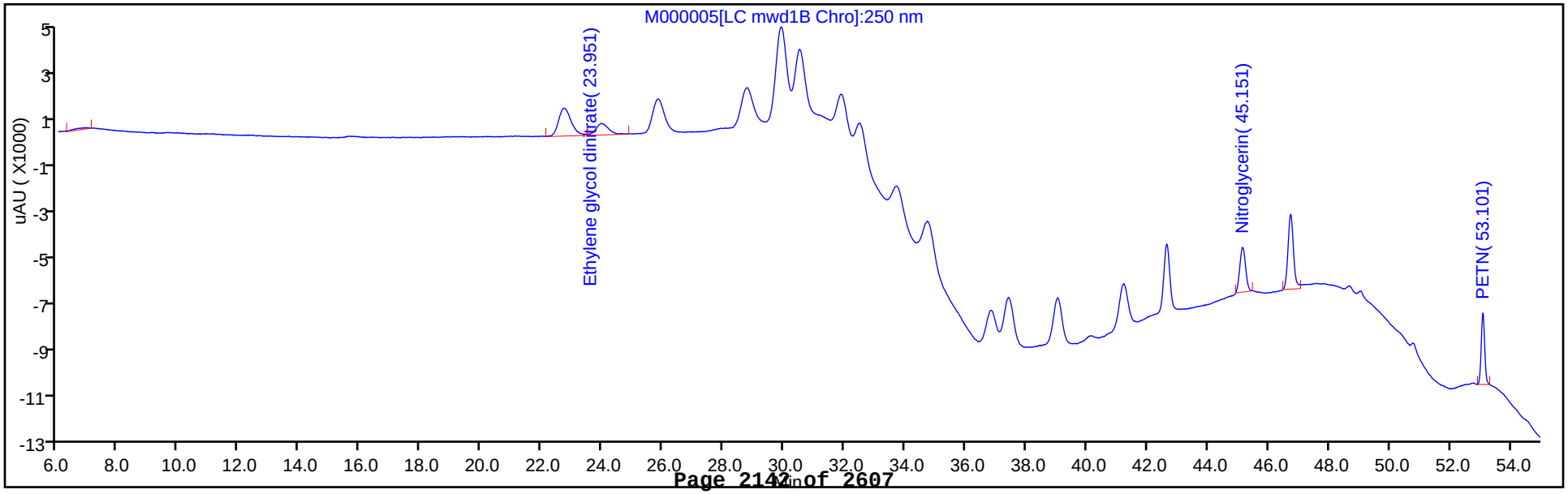
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Injection Date:	13-Feb-2013 19:27:28	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000006.D		
Lims ID:	STD04	Client ID:	
Inject. Date:	13-Feb-2013 20:32:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	320-0002792-005		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	14
Lims Batch ID:	10422	Lims Sample ID:	5
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:16	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:45:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.701	22.719	-0.018	2489	51.5	
3 Ethylene glycol dinitrate						
2	23.961	23.972	-0.011	1148	52.5	
24 1,3-Dinitrobenzene						
1	25.814	25.819	-0.005	5347	50.4	
27 1,3,5-Trinitrobenzene						
1	28.751	28.749	0.002	4056	49.4	
16 o-Nitrotoluene						
1	29.887	29.882	0.005	3091	48.7	
15 p-Nitrotoluene						
1	29.887	29.882	0.005	3091	48.7	
8 m-Nitrotoluene						
1	30.491	30.496	-0.005	2039	48.1	
9 3,5-Dinitroaniline						
1	31.881	31.889	-0.008	4037	49.0	
19 RDX						
1	32.497	32.489	0.008	2377	48.5	
23 2,4-Dinitrotoluene						
1	33.734	33.726	0.008	4401	49.8	
12 2,6-Dinitrotoluene						
1	34.741	34.739	0.002	2671	49.8	
6 2-Amino-4,6-dinitrotoluene						
1	36.807	36.802	0.005	3783	50.8	
26 4-Amino-2,6-dinitrotoluene						
1	37.394	37.376	0.018	3519	50.0	
$ 30 3,4-Dinitrotoluene						
1	39.004	38.999	0.005	2670	50.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.207	41.196	0.011	4212	47.9	
11 HMX						
1	42.614	42.609	0.005	3253	49.8	
7 Nitroglycerin						
2	45.127	45.139	-0.012	4705	51.4	
20 Tetryl						
1	46.711	46.719	-0.008	5606	47.1	
21 PETN						
2	53.074	53.082	-0.008	7403	50.4	

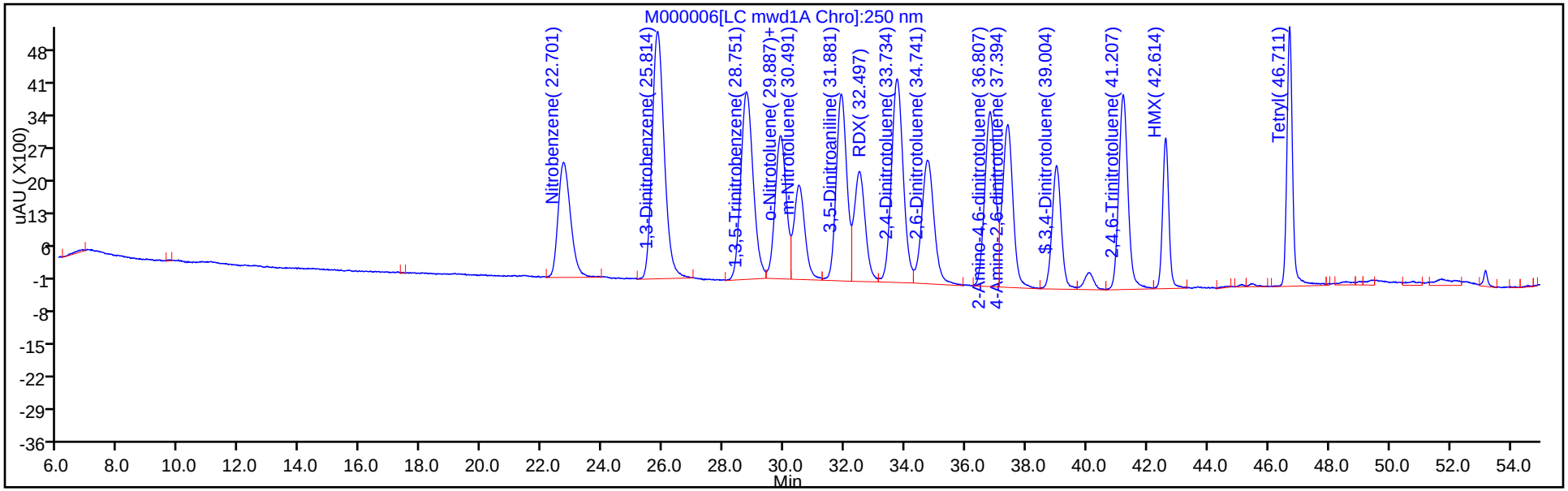
Report Date: 14-Feb-2013 07:52:16 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

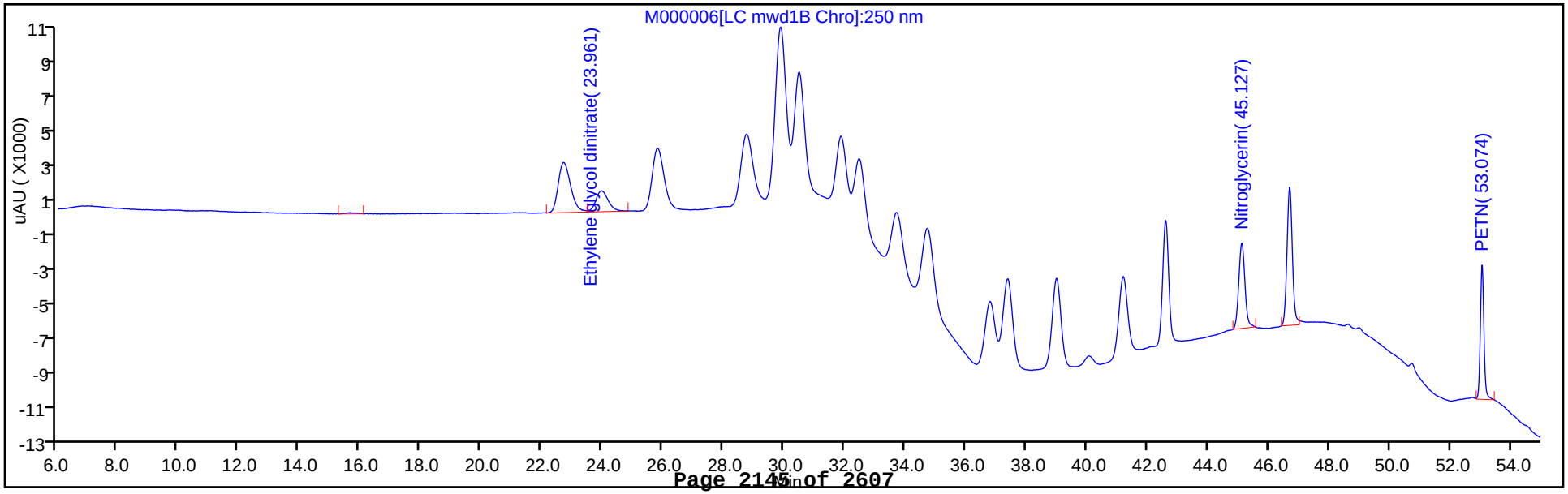
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Injection Date:	13-Feb-2013 20:32:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000007.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	13-Feb-2013 21:38:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	320-0002792-006		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	15
Lims Batch ID:	10422	Lims Sample ID:	6
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:17	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:47:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.719	22.719	0.0	5161	106.8	
3 Ethylene glycol dinitrate						
2	23.972	23.972	0.0	2230	101.9	
24 1,3-Dinitrobenzene						
1	25.819	25.819	0.0	11157	105.2	
27 1,3,5-Trinitrobenzene						
1	28.749	28.749	0.0	8375	102.0	
16 o-Nitrotoluene						
1	29.882	29.882	0.0	6645	104.7	
15 p-Nitrotoluene						
1	29.882	29.882	0.0	6645	104.7	
8 m-Nitrotoluene						
1	30.496	30.496	0.0	4330	102.2	
9 3,5-Dinitroaniline						
1	31.889	31.889	0.0	8409	102.1	
19 RDX						
1	32.489	32.489	0.0	4833	98.6	
23 2,4-Dinitrotoluene						
1	33.726	33.726	0.0	9253	104.7	
12 2,6-Dinitrotoluene						
1	34.739	34.739	0.0	5492	102.4	
6 2-Amino-4,6-dinitrotoluene						
1	36.802	36.802	0.0	7819	105.1	
26 4-Amino-2,6-dinitrotoluene						
1	37.376	37.376	0.0	7302	103.8	
$ 30 3,4-Dinitrotoluene						
1	38.999	38.999	0.0	5359	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.196	41.196	0.0	9660	109.9	
11 HMX						
1	42.609	42.609	0.0	6608	101.2	
7 Nitroglycerin						
2	45.139	45.139	0.0	8783	96.0	
20 Tetryl						
1	46.719	46.719	0.0	13504	113.5	
21 PETN						
2	53.082	53.082	0.0	14191	96.7	

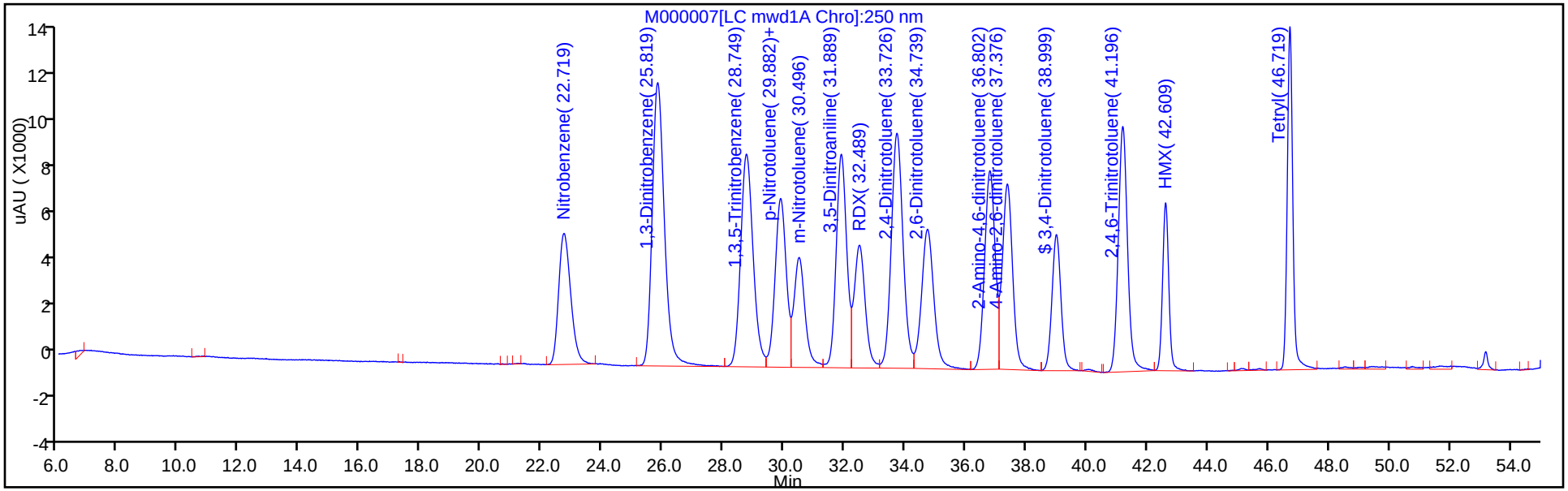
Report Date: 14-Feb-2013 07:52:17 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

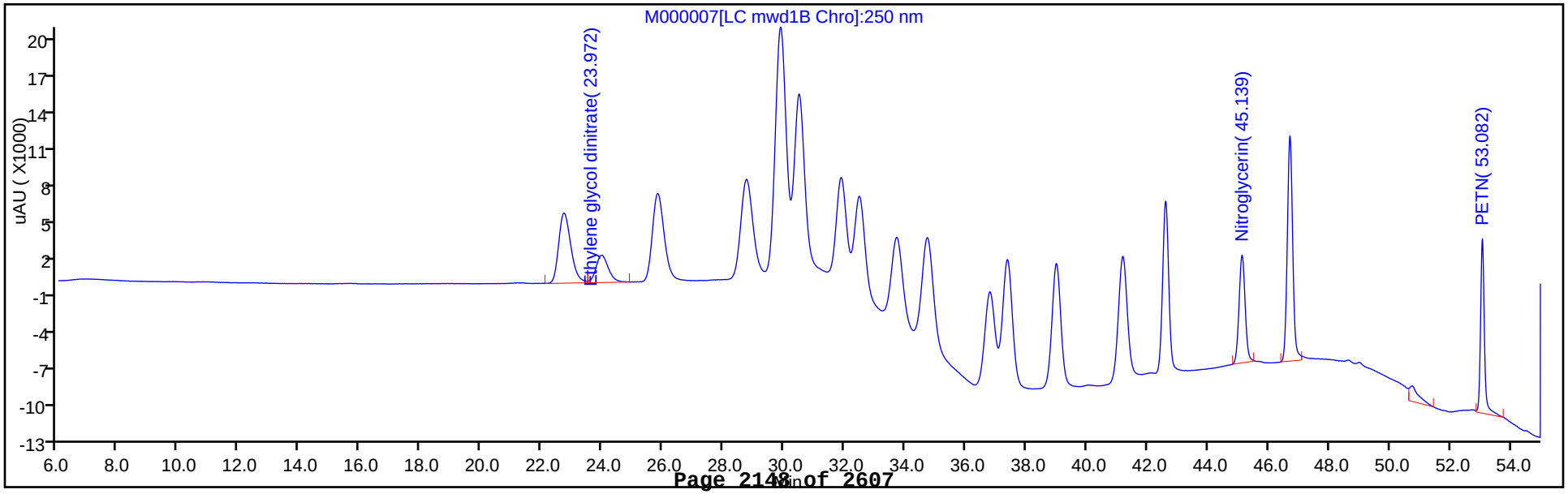
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Injection Date:	13-Feb-2013 21:38:19	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000008.D		
Lims ID:	STD06	Client ID:	
Inject. Date:	13-Feb-2013 22:43:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	320-0002792-007		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	16
Lims Batch ID:	10422	Lims Sample ID:	7
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:18	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:47:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.685	22.719	-0.034	9912	205.0	
3 Ethylene glycol dinitrate						
2	23.939	23.972	-0.033	4427	202.4	
24 1,3-Dinitrobenzene						
1	25.792	25.819	-0.027	21471	202.4	
27 1,3,5-Trinitrobenzene						
1	28.735	28.749	-0.014	16292	198.3	
16 o-Nitrotoluene						
1	29.862	29.882	-0.020	12826	202.1	
15 p-Nitrotoluene						
1	29.862	29.882	-0.020	12826	202.1	
8 m-Nitrotoluene						
1	30.475	30.496	-0.021	8368	197.5	
9 3,5-Dinitroaniline						
1	31.872	31.889	-0.017	16226	197.1	
19 RDX						
1	32.469	32.489	-0.020	9311	189.9	
23 2,4-Dinitrotoluene						
1	33.715	33.726	-0.011	17992	203.7	
12 2,6-Dinitrotoluene						
1	34.725	34.739	-0.014	10711	199.7	
6 2-Amino-4,6-dinitrotoluene						
1	36.782	36.802	-0.020	15349	206.3	
26 4-Amino-2,6-dinitrotoluene						
1	37.362	37.376	-0.014	14412	205.0	
$ 30 3,4-Dinitrotoluene						
1	38.979	38.999	-0.020	10634	199.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.189	41.196	-0.007	19037	216.5	
11 HMX						
1	42.595	42.609	-0.014	13055	199.9	
7 Nitroglycerin						
2	45.115	45.139	-0.024	17869	195.3	
20 Tetryl						
1	46.695	46.719	-0.024	26661	224.2	
21 PETN						
2	53.039	53.082	-0.043	28542	194.5	

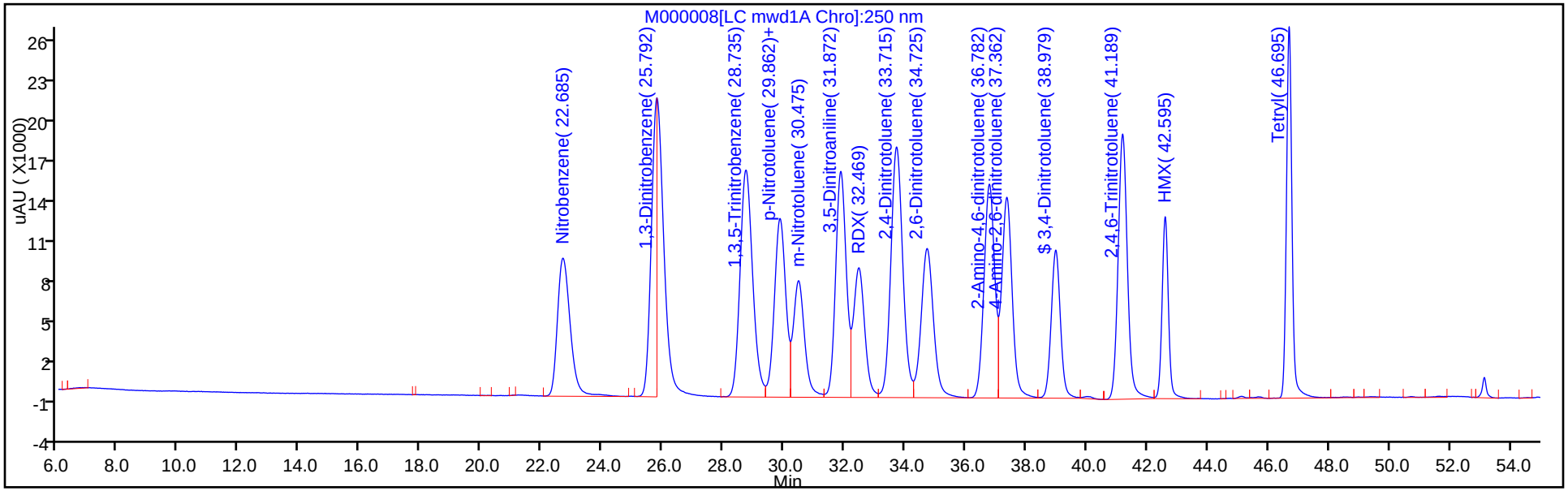
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TestAmerica Sacramento

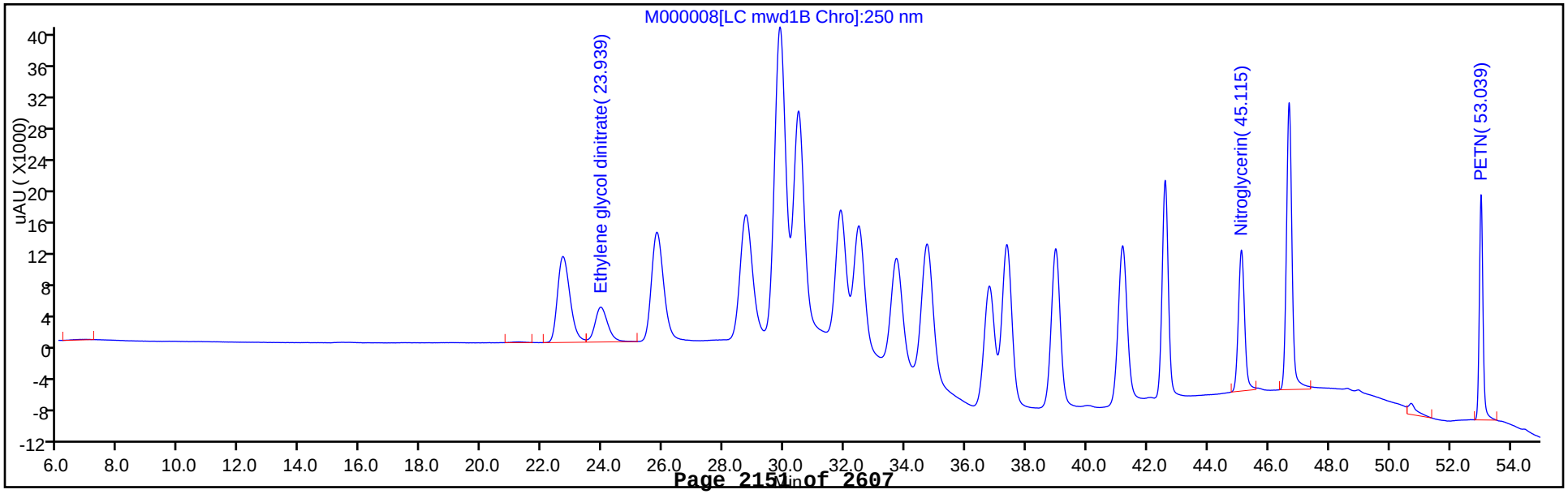
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Injection Date:	13-Feb-2013 22:43:44	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000009.D		
Lims ID:	STD07	Client ID:	
Inject. Date:	13-Feb-2013 23:49:07	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	320-0002792-008		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	17
Lims Batch ID:	10422	Lims Sample ID:	8
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:19	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:47:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.683	22.719	-0.036	22709	469.8	
3 Ethylene glycol dinitrate						
2	23.960	23.972	-0.012	10702	489.2	
24 1,3-Dinitrobenzene						
1	25.813	25.819	-0.006	50955	480.4	
27 1,3,5-Trinitrobenzene						
1	28.773	28.749	0.024	40353	491.3	
16 o-Nitrotoluene						
1	29.913	29.882	0.031	30348	478.1	
15 p-Nitrotoluene						
1	29.913	29.882	0.031	30348	478.1	
8 m-Nitrotoluene						
1	30.523	30.496	0.027	20117	474.7	
9 3,5-Dinitroaniline						
1	31.940	31.889	0.051	38549	468.2	
19 RDX						
1	32.540	32.489	0.051	22554	459.9	
23 2,4-Dinitrotoluene						
1	33.780	33.726	0.054	43297	490.1	
12 2,6-Dinitrotoluene						
1	34.796	34.739	0.057	26403	492.3	
6 2-Amino-4,6-dinitrotoluene						
1	36.886	36.802	0.084	37876	509.1	
26 4-Amino-2,6-dinitrotoluene						
1	37.456	37.376	0.080	35468	504.4	
$ 30 3,4-Dinitrotoluene						
1	39.073	38.999	0.074	16183	303.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.263	41.196	0.067	42755	486.3	
11 HMX						
1	42.690	42.609	0.081	32894	503.7	
7 Nitroglycerin						
2	45.223	45.139	0.084	47163	515.5	
20 Tetryl						
1	46.816	46.719	0.097	57496	483.4	
21 PETN						
2	53.166	53.082	0.084	75949	517.5	

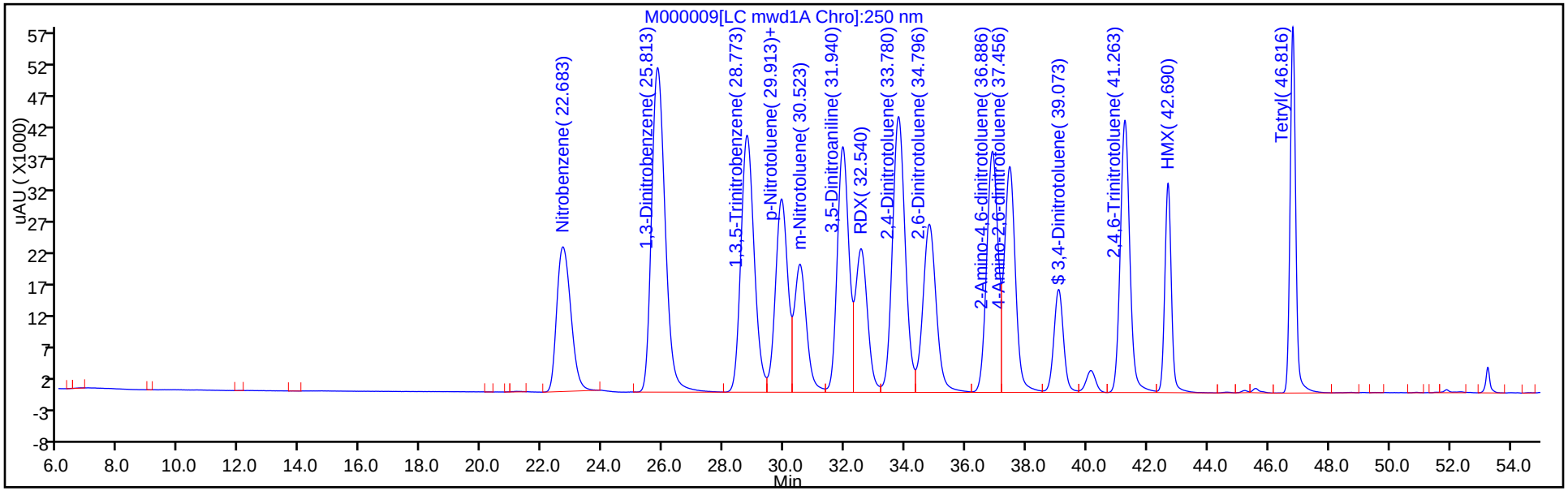
Report Date: 14-Feb-2013 07:52:19 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

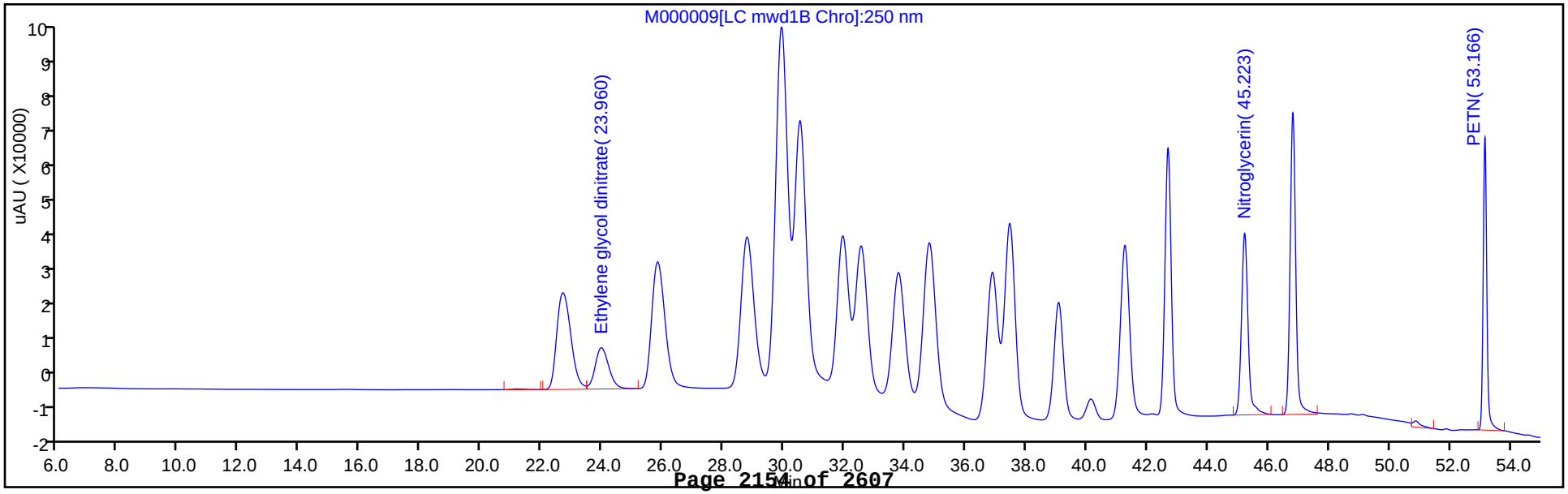
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Injection Date:	13-Feb-2013 23:49:07	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Lims ID:	STD08	Client ID:	
Inject. Date:	14-Feb-2013 00:54:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	320-0002792-009		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	18
Lims Batch ID:	10422	Lims Sample ID:	9
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:20	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:50:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	22.568	22.719	-0.151	37954	785.1	
3 Ethylene glycol dinitrate						
2	23.865	23.972	-0.107	18459	843.8	
24 1,3-Dinitrobenzene						
1	25.688	25.819	-0.131	87481	824.8	
27 1,3,5-Trinitrobenzene						
1	28.668	28.749	-0.081	72832	886.7	
16 o-Nitrotoluene						
1	29.735	29.882	-0.147	53073	836.2	
15 p-Nitrotoluene						
1	29.735	29.882	-0.147	53073	836.2	
8 m-Nitrotoluene						
1	30.328	30.496	-0.168	35115	828.6	
9 3,5-Dinitroaniline						
1	31.755	31.889	-0.134	67286	817.3	
19 RDX						
1	32.298	32.489	-0.191	39765	810.9	
23 2,4-Dinitrotoluene						
1	33.595	33.726	-0.131	77286	874.8	
12 2,6-Dinitrotoluene						
1	34.605	34.739	-0.134	47331	882.6	
6 2-Amino-4,6-dinitrotoluene						
1	36.671	36.802	-0.131	65117	875.2	
26 4-Amino-2,6-dinitrotoluene						
1	37.255	37.376	-0.121	62561	889.7	
$ 30 3,4-Dinitrotoluene						
1	38.891	38.999	-0.108	24117	451.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.145	41.196	-0.051	79866	908.4	
11 HMX						
1	42.541	42.609	-0.068	60901	932.5	
7 Nitroglycerin						
2	45.088	45.139	-0.051	91734	1002.6	
20 Tetryl						
1	46.668	46.719	-0.051	111495	937.4	
21 PETN						
2	53.048	53.082	-0.034	149638	1019.6	

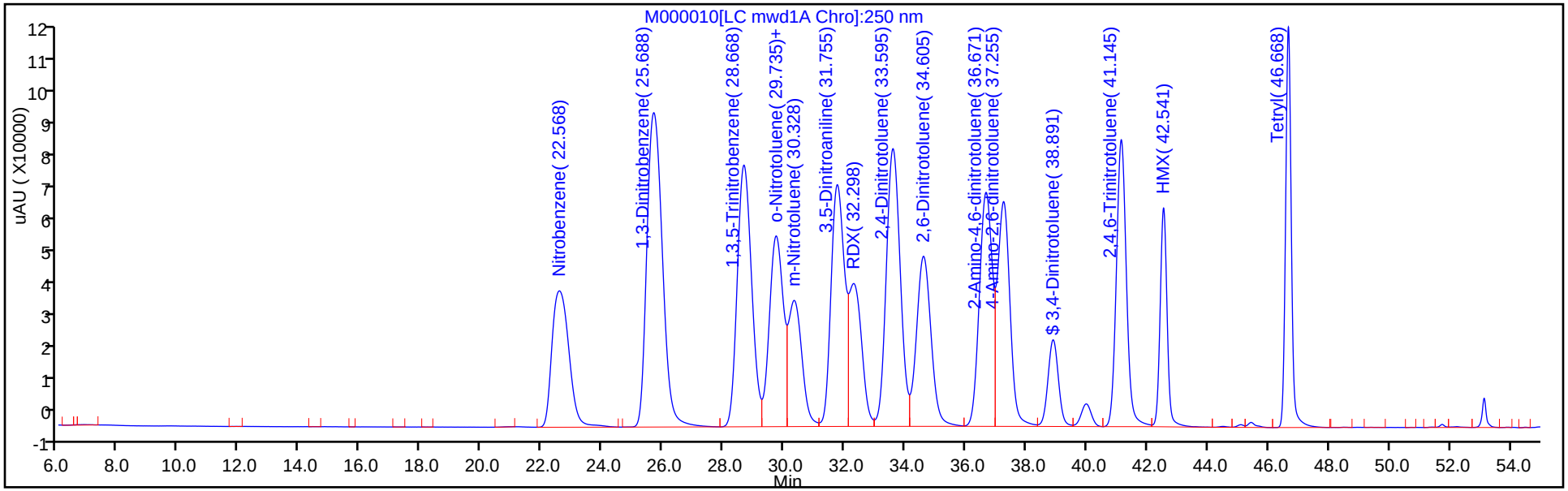
Report Date: 14-Feb-2013 07:52:20 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

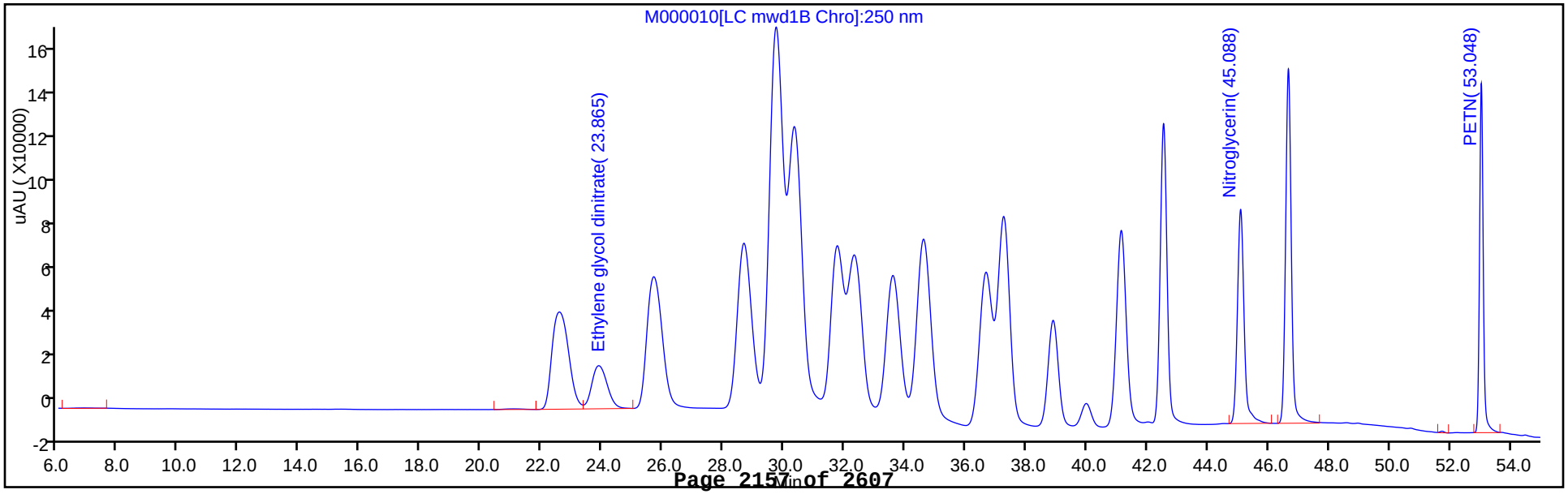
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Injection Date:	14-Feb-2013 00:54:32	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-1385/11 Calibration Date: 04/30/2012 23:25

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: ID: Calib End Date: 04/30/2012 21:31

Lab File ID: M-011.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	98.20		5.21	5.00	4.2	
RDX	Ave	94.00	104.4		5.55	5.00	11.1	
1,3,5-Trinitrobenzene	Ave	215.4	228.0		5.29	5.00	5.8	
Picric acid	Ave	189.5	248.9		13.1	10.0	31.3	
1,3-Dinitrobenzene	Ave	228.7	234.4		5.13	5.00	2.5	
3,5-Dinitroaniline	Ave	150.4	155.4		5.16	5.00	3.3	
Nitrobenzene	Ave	98.42	98.60		5.01	5.00	0.2	
Tetryl	Ave	122.8	121.4		4.94	5.00	-1.1	
Nitroglycerin	Ave	90.04	84.60		4.70	5.00	-6.0	
2,4,6-Trinitrotoluene	Ave	129.9	128.6		4.95	5.00	-1.0	
4-Amino-2,6-dinitrotoluene	Ave	104.3	106.2		5.09	5.00	1.8	
2-Amino-4,6-dinitrotoluene	Ave	115.7	120.8		5.22	5.00	4.4	
2,6-Dinitrotoluene	Ave	79.69	83.20		5.22	5.00	4.4	
2,4-Dinitrotoluene	Ave	130.5	133.0		5.09	5.00	1.9	
2-Nitrotoluene	Ave	51.81	49.00		4.73	5.00	-5.4	
4-Nitrotoluene	Ave	66.41	66.40		5.00	5.00	-0.0	
3-Nitrotoluene	Ave	65.43	67.40		5.15	5.00	3.0	
PETN	Ave	51.32	45.40		4.42	5.00	-11.5	
Ethylene glycol dinitrate	None				0.500	5.00	-100.0	
3,4-Dinitrotoluene	Ave	69.81	72.60		5.20	5.00	4.0	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-1385/11 Calibration Date: 04/30/2012 23:25

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: ID: Calib End Date: 04/30/2012 21:31

Lab File ID: M-011.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.38	20.16	20.66
RDX	23.63	23.40	23.90
1,3,5-Trinitrobenzene	25.58	25.35	25.85
Picric acid	25.93	25.67	26.17
1,3-Dinitrobenzene	28.30	28.07	28.57
3,5-Dinitroaniline	29.42	29.20	29.70
Nitrobenzene	29.91	29.67	30.17
Tetryl	30.22	30.00	30.50
Nitroglycerin	30.69	30.49	30.99
2,4,6-Trinitrotoluene	31.43	31.23	31.73
4-Amino-2,6-dinitrotoluene	32.41	32.21	32.71
2-Amino-4,6-dinitrotoluene	33.11	32.90	33.40
2,6-Dinitrotoluene	34.33	34.12	34.62
2,4-Dinitrotoluene	34.72	34.51	35.01
2-Nitrotoluene	37.59	37.40	37.90
4-Nitrotoluene	38.80	38.62	39.12
3-Nitrotoluene	40.31	40.11	40.61
PETN	40.94	40.77	41.27
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	32.76	32.56	33.06

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-011.D
Lims ID: LODV 5ng/mL Client ID:
Inject. Date: 30-Apr-2012 23:25:29 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: STD_01 HP8330L1_00001 5 ng/mL;2;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 1385 Lims Sample ID: 11

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:38:25 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 04-Jun-2012 09:29:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.378	20.410	-0.032	491	5.21	
19 RDX						
1	23.625	23.647	-0.022	522	5.55	
27 1,3,5-Trinitrobenzene						
1	25.578	25.600	-0.022	1140	5.29	
10 2,4,6-Trinitrophenol						M
2	25.931	25.923	0.008	2489	13.1	M
1	25.938	25.923	0.015	1309	10.6	
24 1,3-Dinitrobenzene						
1	28.298	28.323	-0.025	1172	5.13	
9 3,5-Dinitroaniline						
1	29.415	29.453	-0.038	777	5.16	
5 Nitrobenzene						
1	29.905	29.920	-0.015	493	5.01	
20 Tetryl						
1	30.215	30.250	-0.035	607	4.94	
7 Nitroglycerin						
2	30.688	30.743	-0.055	423	4.70	
25 2,4,6-Trinitrotoluene						
1	31.431	31.477	-0.046	643	4.95	
26 4-Amino-2,6-dinitrotoluene						
1	32.411	32.457	-0.046	531	5.09	
$ 30 3,4-Dinitrotoluene						
1	32.755	32.810	-0.055	363	5.20	
2	32.761	32.807	-0.046	663	5.14	
6 2-Amino-4,6-dinitrotoluene						
1	33.105	33.147	-0.042	604	5.22	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	34.328	34.373	-0.045	416	5.22	
23 2,4-Dinitrotoluene						
1	34.715	34.760	-0.045	665	5.09	
16 o-Nitrotoluene						
1	37.591	37.646	-0.055	245	4.73	
15 p-Nitrotoluene						
1	38.795	38.866	-0.071	332	5.00	
8 m-Nitrotoluene						
1	40.308	40.356	-0.048	337	5.15	
21 PETN						
2	40.935	41.016	-0.081	227	4.42	

QC Flag Legend

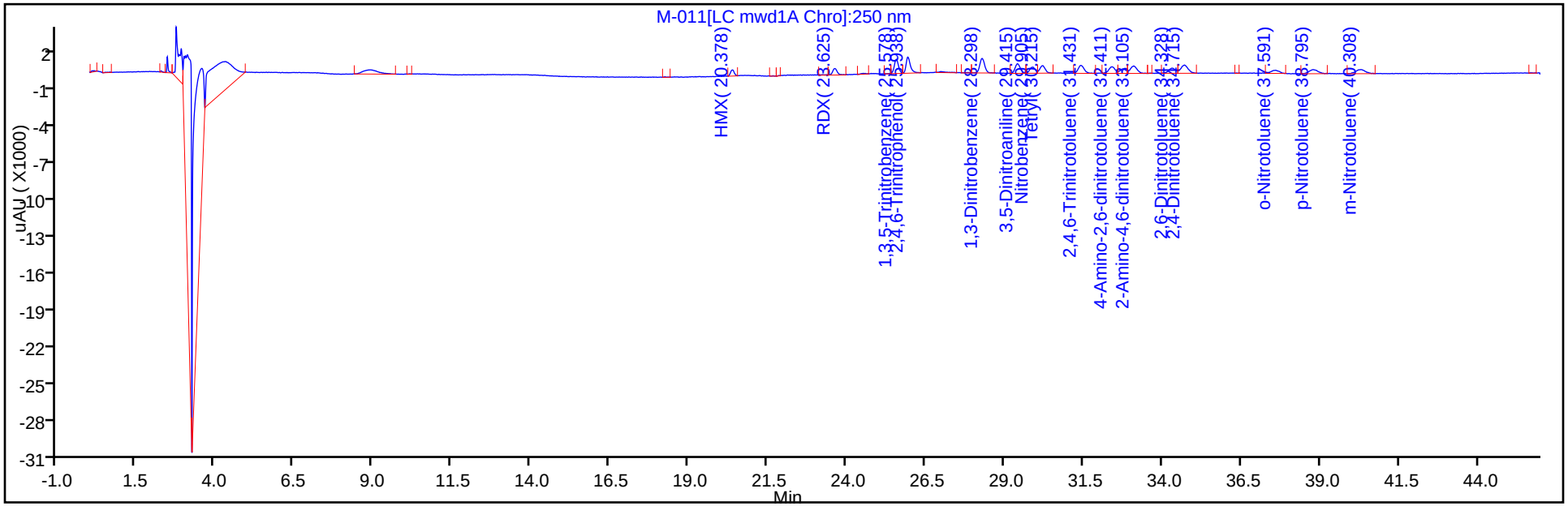
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:38:38 Chrom Revision: 2.1 16-Sep-2012 09:37:06

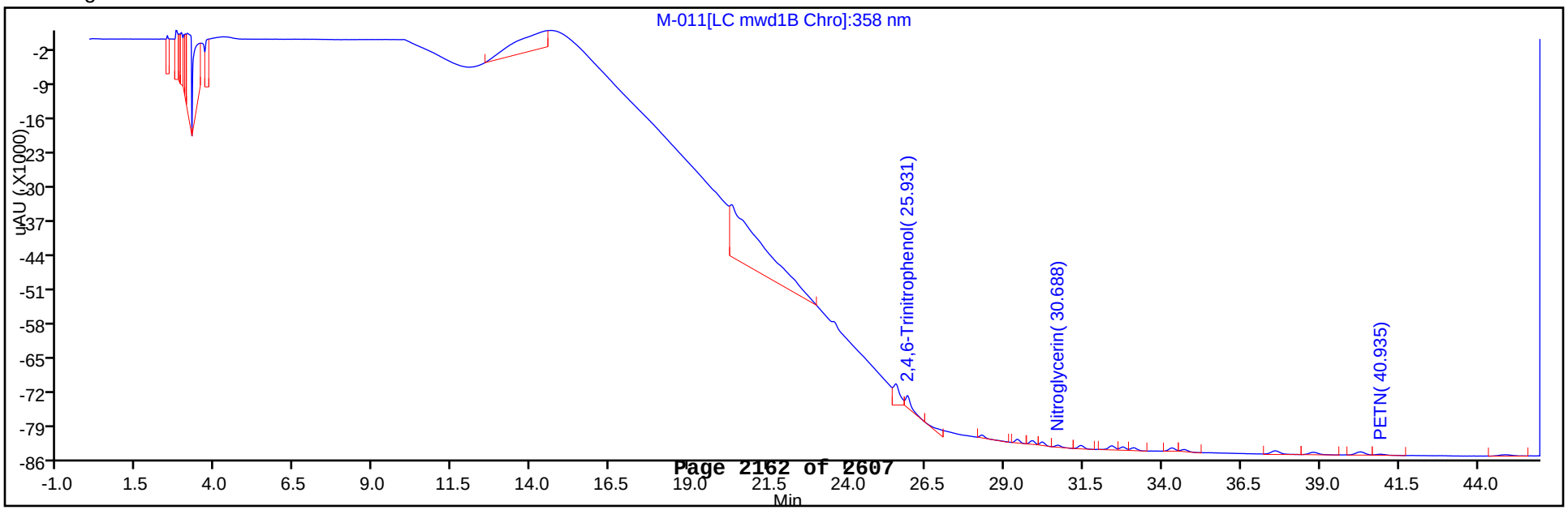
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-011.D		
Injection Date:	30-Apr-2012 23:25:29	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

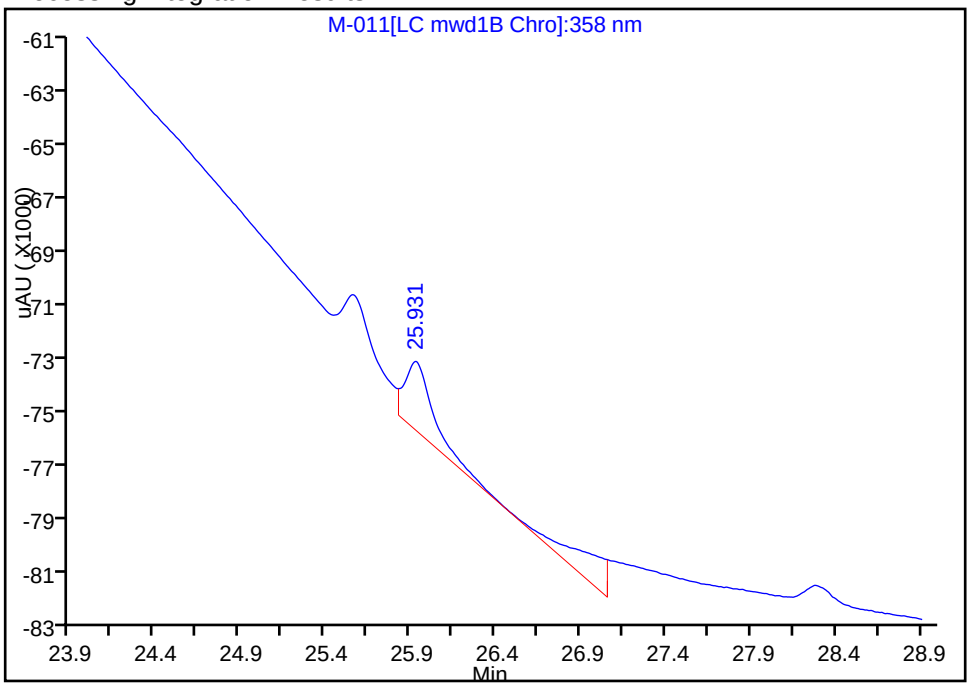
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-011.D		
Injection Date:	30-Apr-2012 23:25:29	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

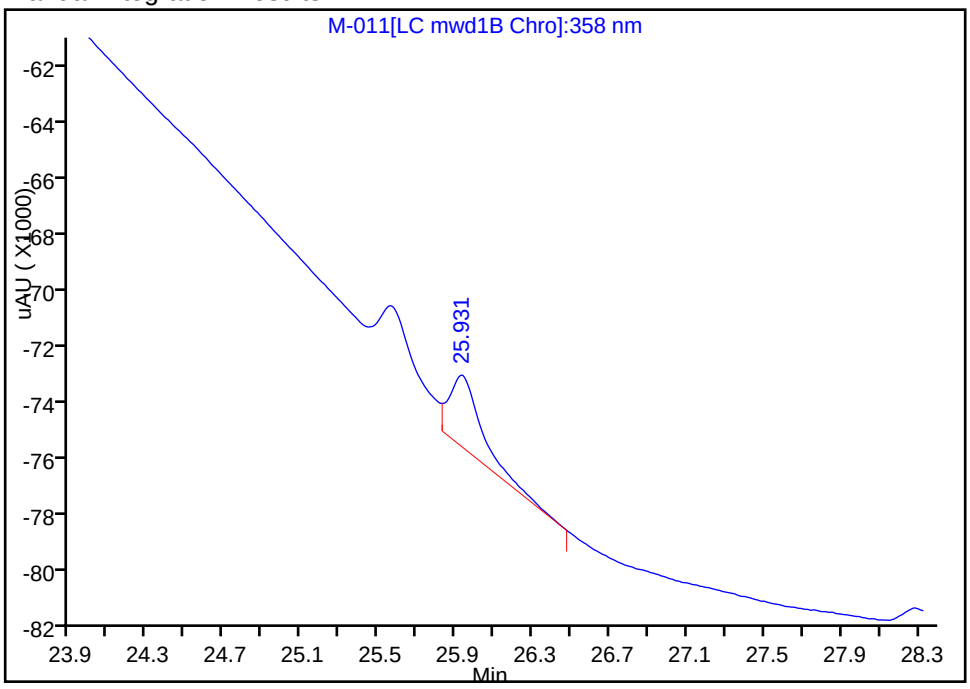
Processing Integration Results

RT: 25.93
Response: 2490
Amount: 13.138858



Manual Integration Results

RT: 25.93
Response: 2489
Amount: 13.133581



Reviewer: noonanr, 27-Aug-2012 16:05:14
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-1385/13 Calibration Date: 05/01/2012 10:50

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: ID: Calib End Date: 04/30/2012 21:31

Lab File ID: I-003.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	99.06		210	200	5.1	20.0
RDX	Ave	94.00	95.05		202	200	1.1	20.0
1,3,5-Trinitrobenzene	Ave	215.4	214.7		199	200	-0.3	20.0
Picric acid	Ave	189.5	177.1		467	500	-6.6	20.0
1,3-Dinitrobenzene	Ave	228.7	219.7		192	200	-3.9	20.0
3,5-Dinitroaniline	Ave	150.4	153.6		204	200	2.1	20.0
Nitrobenzene	Ave	98.42	99.15		201	200	0.7	20.0
Tetryl	Ave	122.8	128.2		209	200	4.4	20.0
Nitroglycerin	Ave	90.04	98.54		219	200	9.4	20.0
2,4,6-Trinitrotoluene	Ave	129.9	130.2		200	200	0.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	100.3		192	200	-3.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	113.0		195	200	-2.4	20.0
2,6-Dinitrotoluene	Ave	79.69	77.72		195	200	-2.5	20.0
2,4-Dinitrotoluene	Ave	130.5	127.8		196	200	-2.1	20.0
2-Nitrotoluene	Ave	51.81	51.14		197	200	-1.3	20.0
4-Nitrotoluene	Ave	66.41	67.20		202	200	1.2	20.0
3-Nitrotoluene	Ave	65.43	66.22		202	200	1.2	20.0
PETN	Ave	51.32	55.23		215	200	7.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-1385/13 Calibration Date: 05/01/2012 10:50

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: ID: Calib End Date: 04/30/2012 21:31

Lab File ID: I-003.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.45	20.16	20.66
RDX	23.66	23.40	23.90
1,3,5-Trinitrobenzene	25.60	25.35	25.85
Picric acid	25.91	25.67	26.17
1,3-Dinitrobenzene	28.32	28.07	28.57
3,5-Dinitroaniline	29.45	29.20	29.70
Nitrobenzene	29.91	29.67	30.17
Tetryl	30.24	30.00	30.50
Nitroglycerin	30.72	30.49	30.99
2,4,6-Trinitrotoluene	31.46	31.23	31.73
4-Amino-2,6-dinitrotoluene	32.44	32.21	32.71
2-Amino-4,6-dinitrotoluene	33.12	32.90	33.40
2,6-Dinitrotoluene	34.34	34.12	34.62
2,4-Dinitrotoluene	34.73	34.51	35.01
2-Nitrotoluene	37.60	37.40	37.90
4-Nitrotoluene	38.82	38.62	39.12
3-Nitrotoluene	40.31	40.11	40.61
PETN	40.96	40.77	41.27

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\I-003.D
Lims ID: ICV Client ID:
Inject. Date: 01-May-2012 10:50:11 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: STD_ICV HP8330IC_00002 200 ng/mL;2;
Misc. Info.:
Operator: RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 1385 Lims Sample ID: 13
Sublist:

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
Last Update: 18-Sep-2012 15:38:25 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK014

First Level Reviewer: noonanr Date: 04-Jun-2012 13:30:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.448	20.410	0.038	19811	210.3	
19 RDX						
1	23.658	23.647	0.011	19009	202.2	
27 1,3,5-Trinitrobenzene						
1	25.598	25.600	-0.002	42943	199.4	
10 2,4,6-Trinitrophenol						M
2	25.905	25.923	-0.018	88530	467.1	M
1	25.905	25.923	-0.018	61200	495.0	
24 1,3-Dinitrobenzene						
1	28.315	28.323	-0.008	43931	192.1	
9 3,5-Dinitroaniline						
1	29.445	29.453	-0.008	30713	204.1	
5 Nitrobenzene						
1	29.905	29.920	-0.015	19829	201.5	
20 Tetryl						
1	30.235	30.250	-0.015	25645	208.9	
7 Nitroglycerin						
2	30.721	30.743	-0.022	19707	218.9	
25 2,4,6-Trinitrotoluene						
1	31.458	31.477	-0.019	26044	200.5	
26 4-Amino-2,6-dinitrotoluene						
1	32.435	32.457	-0.022	20066	192.3	
6 2-Amino-4,6-dinitrotoluene						
1	33.121	33.147	-0.026	22594	195.3	
12 2,6-Dinitrotoluene						
1	34.341	34.373	-0.032	15543	195.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.728	34.760	-0.032	25562	195.8	
16 o-Nitrotoluene						
1	37.601	37.646	-0.045	10228	197.4	
15 p-Nitrotoluene						
1	38.821	38.866	-0.045	13439	202.4	
8 m-Nitrotoluene						
1	40.308	40.356	-0.048	13244	202.4	
21 PETN						
2	40.958	41.016	-0.058	11045	215.2	

QC Flag Legend

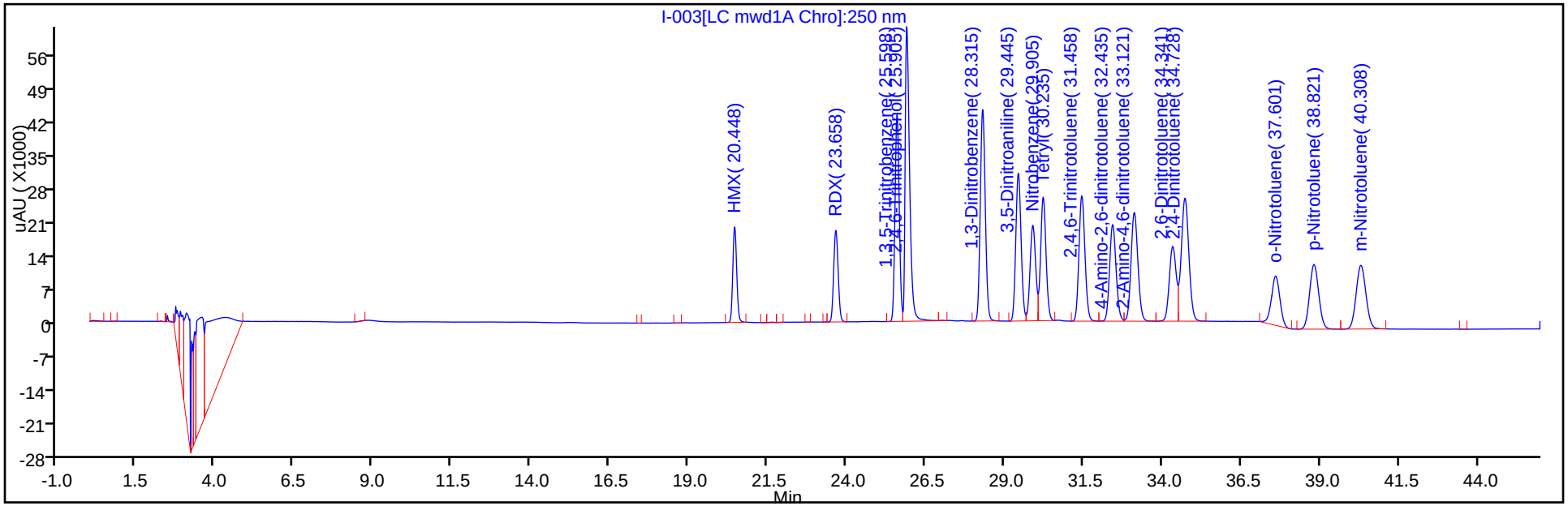
Review Flags
M - Manually Integrated

Report Date: 18-Sep-2012 15:38:40 Chrom Revision: 2.1 16-Sep-2012 09:37:06

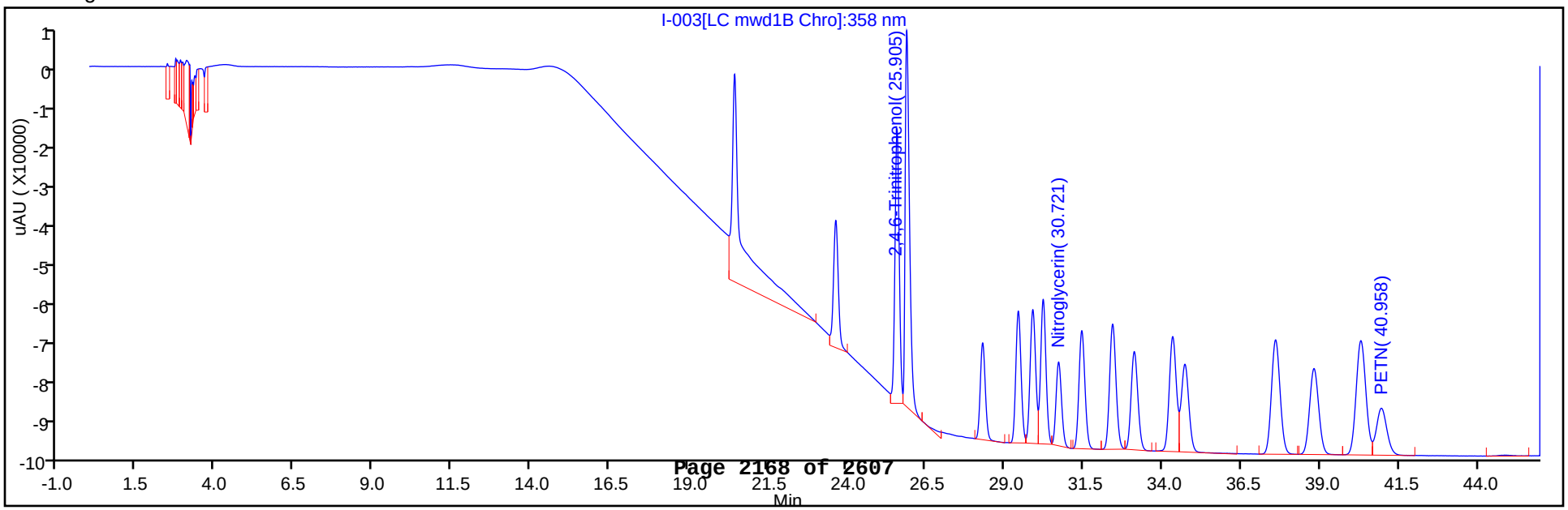
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\I-003.D		
Injection Date:	01-May-2012 10:50:11	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

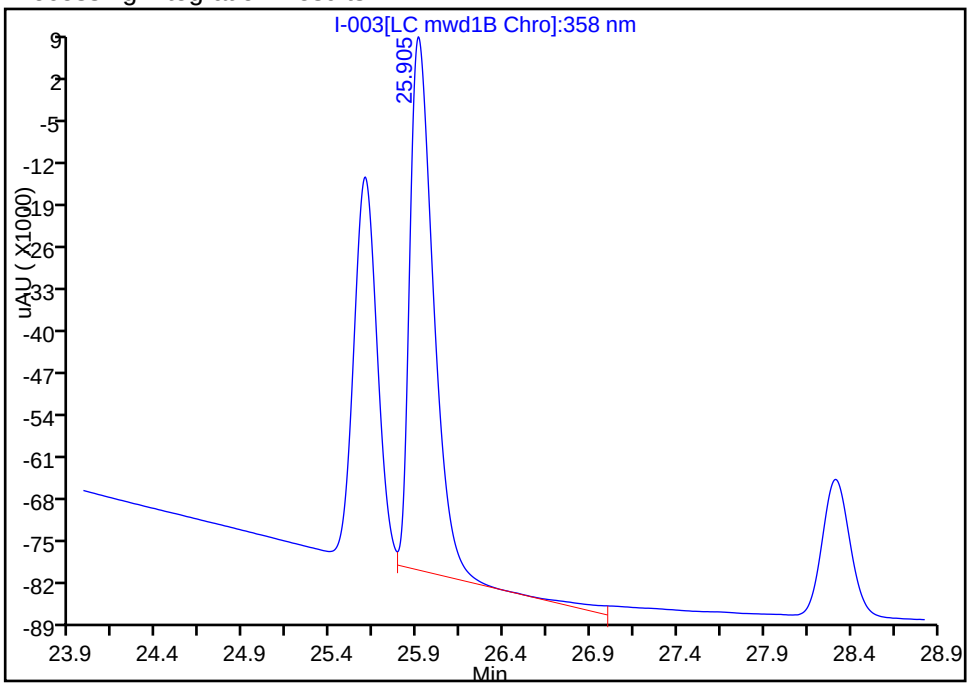
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC11\20120531-303.b\I-003.D		
Injection Date:	01-May-2012 10:50:11	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	1385	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:		Column Dia:	

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

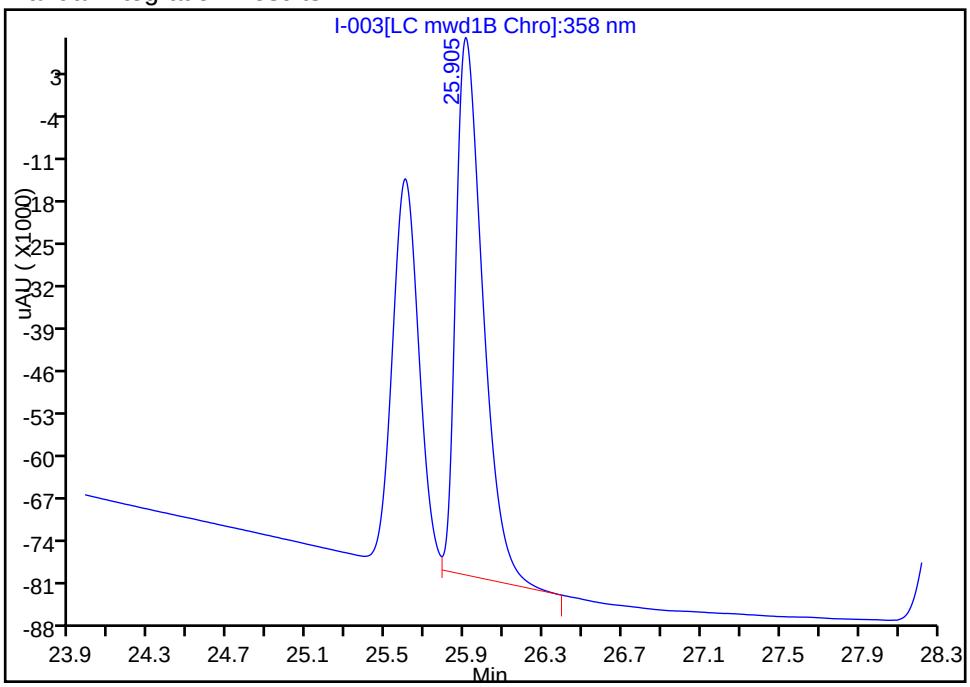
Processing Integration Results

RT: 25.90
Response: 88532
Amount: 467.1524



Manual Integration Results

RT: 25.90
Response: 88530
Amount: 467.1418



Reviewer: noonanr, 27-Aug-2012 16:13:46
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/3 Calibration Date: 04/08/2013 17:41

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000003.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	89.62		190	200	-4.9	20.0
RDX	Ave	94.00	87.75		187	200	-6.7	20.0
1,3,5-Trinitrobenzene	Ave	215.4	199.0		185	200	-7.6	20.0
Picric acid	Ave	189.5	174.7		461	500	-7.8	20.0
1,3-Dinitrobenzene	Ave	228.7	213.3		187	200	-6.7	20.0
3,5-Dinitroaniline	Ave	150.4	134.5		179	200	-10.6	20.0
Nitrobenzene	Ave	98.42	93.82		191	200	-4.7	20.0
Tetryl	Ave	122.8	114.6		187	200	-6.7	20.0
Nitroglycerin	Ave	90.04	87.36		194	200	-3.0	20.0
2,4,6-Trinitrotoluene	Ave	129.9	122.5		189	200	-5.7	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	93.69		180	200	-10.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	105.9		183	200	-8.5	20.0
2,6-Dinitrotoluene	Ave	79.69	73.78		185	200	-7.4	20.0
2,4-Dinitrotoluene	Ave	130.5	123.4		189	200	-5.5	20.0
2-Nitrotoluene	Ave	51.81	52.77		204	200	1.9	20.0
4-Nitrotoluene	Ave	66.41	67.01		202	200	0.9	20.0
3-Nitrotoluene	Ave	65.43	66.17		202	200	1.1	20.0
PETN	Ave	51.32	49.89		194	200	-2.8	20.0
3,4-Dinitrotoluene	Ave	69.81	67.55		194	200	-3.2	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/3 Calibration Date: 04/08/2013 17:41

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.27	20.02	20.52
RDX	23.49	23.24	23.74
1,3,5-Trinitrobenzene	25.39	25.14	25.64
Picric acid	25.78	25.53	26.03
1,3-Dinitrobenzene	28.09	27.84	28.34
3,5-Dinitroaniline	29.23	28.98	29.48
Nitrobenzene	29.63	29.38	29.88
Tetryl	29.96	29.71	30.21
Nitroglycerin	30.41	30.16	30.66
2,4,6-Trinitrotoluene	31.14	30.89	31.39
4-Amino-2,6-dinitrotoluene	32.15	31.90	32.40
2-Amino-4,6-dinitrotoluene	32.82	32.57	33.07
2,6-Dinitrotoluene	33.97	33.72	34.22
2,4-Dinitrotoluene	34.35	34.10	34.60
2-Nitrotoluene	37.13	36.88	37.38
4-Nitrotoluene	38.32	38.07	38.57
3-Nitrotoluene	39.75	39.50	40.00
PETN	40.26	40.01	40.51
3,4-Dinitrotoluene	32.50	32.25	32.75

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000003.D		
Lims ID:	CCV 06	Client ID:	
Inject. Date:	08-Apr-2013 17:41:50	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003758-003		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	2
Lims Batch ID:	13851	Lims Sample ID:	3
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	09-Apr-2013 09:48:31	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: russellk Date: 09-Apr-2013 09:08:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.265	20.265	0.0	17924	190.3	
19 RDX						
1	23.485	23.485	0.0	17549	186.7	
27 1,3,5-Trinitrobenzene						
1	25.389	25.389	0.0	39806	184.8	
10 2,4,6-Trinitrophenol						
2	25.782	25.782	0.0	87364	461.0	
1	25.782	25.782	0.0	59891	484.4	
24 1,3-Dinitrobenzene						
1	28.092	28.092	0.0	42655	186.5	
9 3,5-Dinitroaniline						
1	29.229	29.229	0.0	26907	178.9	
5 Nitrobenzene						
1	29.632	29.632	0.0	18764	190.7	
20 Tetryl						
1	29.962	29.962	0.0	22919	186.7	
7 Nitroglycerin						
2	30.405	30.405	0.0	17471	194.0	
25 2,4,6-Trinitrotoluene						
1	31.139	31.139	0.0	24494	188.6	
26 4-Amino-2,6-dinitrotoluene						
1	32.149	32.149	0.0	18737	179.6	
$ 30 3,4-Dinitrotoluene						
1	32.499	32.499	0.0	13510	193.5	
2	32.499	32.499	0.0	26473	205.0	
6 2-Amino-4,6-dinitrotoluene						
1	32.822	32.822	0.0	21183	183.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.965	33.965	0.0	14756	185.2	
23 2,4-Dinitrotoluene						
1	34.345	34.345	0.0	24671	189.0	
16 o-Nitrotoluene						
1	37.125	37.125	0.0	10554	203.7	
15 p-Nitrotoluene						
1	38.322	38.322	0.0	13402	201.8	
8 m-Nitrotoluene						
1	39.752	39.752	0.0	13233	202.3	
21 PETN						
2	40.262	40.262	0.0	9977	194.4	

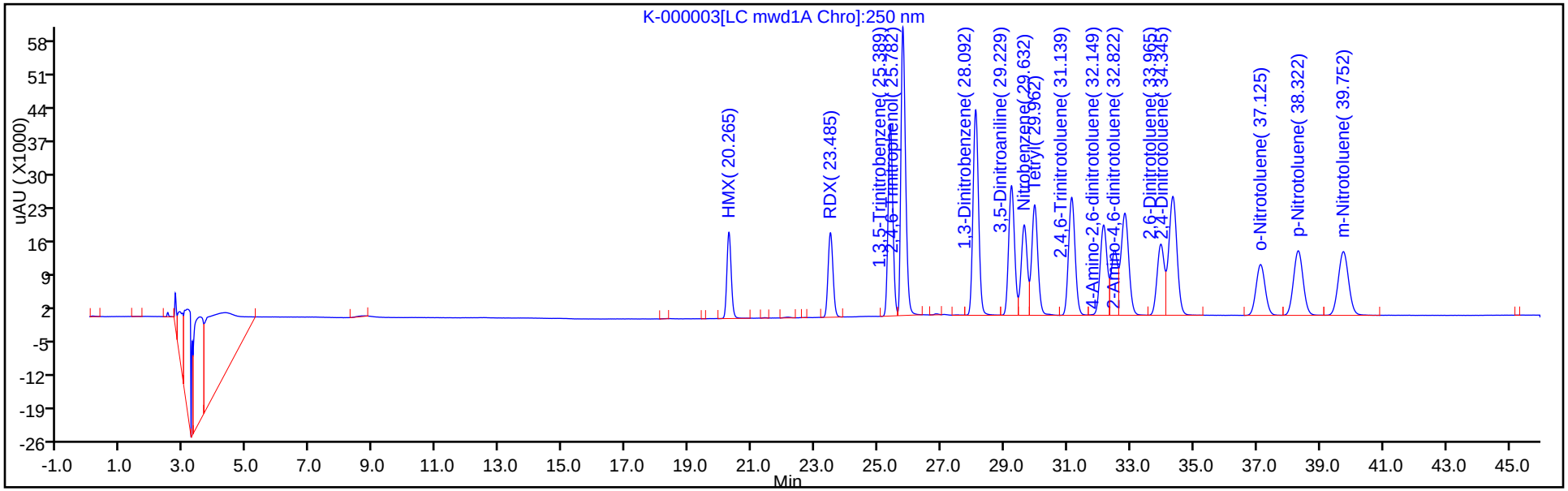
Report Date: 09-Apr-2013 09:48:32 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

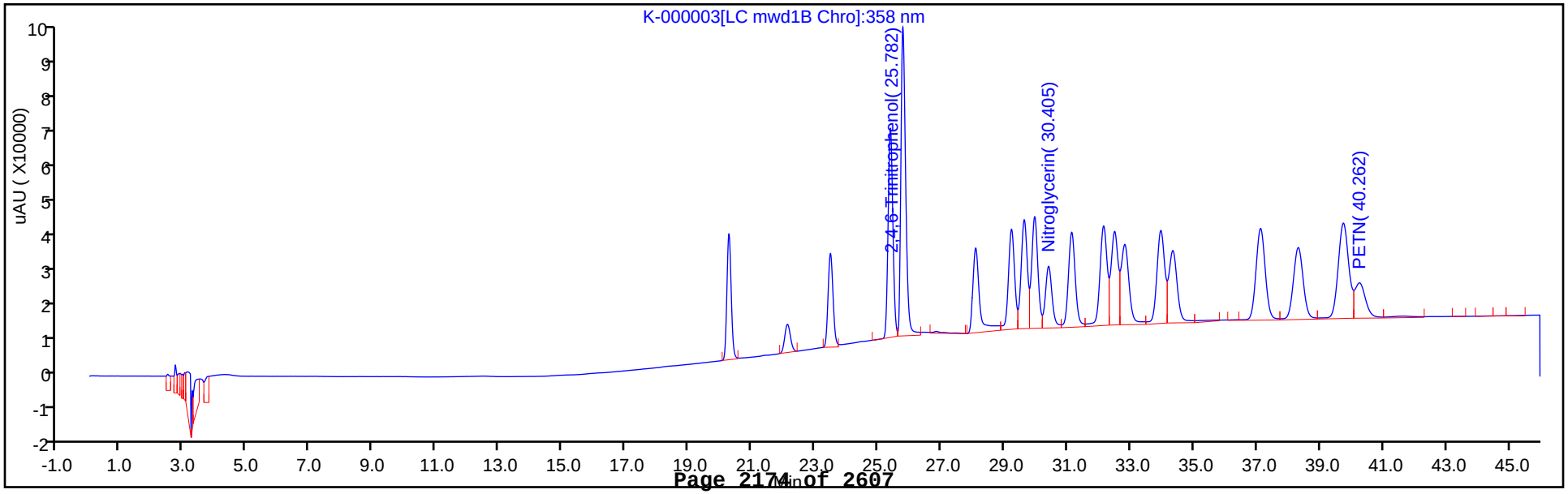
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000003.D

Injection Date:	08-Apr-2013 17:41:50	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	3
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/4 Calibration Date: 04/08/2013 18:39

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000004.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	102.4		5.43	5.00	8.7	30.0
RDX	Ave	94.00	100.8		5.36	5.00	7.2	30.0
1,3,5-Trinitrobenzene	Ave	215.4	226.8		5.26	5.00	5.3	30.0
1,3-Dinitrobenzene	Ave	228.7	230.0		5.03	5.00	0.6	30.0
3,5-Dinitroaniline	Ave	150.4	147.2		4.89	5.00	-2.2	30.0
Nitrobenzene	Ave	98.42	93.60		4.76	5.00	-4.9	30.0
Tetryl	Ave	122.8	110.0		4.48	5.00	-10.4	30.0
Nitroglycerin	Ave	90.04	81.55		18.1	20.0	-9.4	30.0
2,4,6-Trinitrotoluene	Ave	129.9	125.8		4.84	5.00	-3.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	105.6		5.06	5.00	1.2	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	121.6		5.25	5.00	5.1	30.0
2,6-Dinitrotoluene	Ave	79.69	85.80		5.38	5.00	7.7	30.0
2,4-Dinitrotoluene	Ave	130.5	134.6		5.16	5.00	3.1	30.0
2-Nitrotoluene	Ave	51.81	49.40		4.77	5.00	-4.6	30.0
4-Nitrotoluene	Ave	66.41	71.60		5.39	5.00	7.8	30.0
3-Nitrotoluene	Ave	65.43	65.00		4.97	5.00	-0.6	30.0
PETN	Ave	51.32	62.25		24.3	20.0	21.3	30.0
3,4-Dinitrotoluene	Ave	69.81	65.80		18.9	20.0	-5.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/4 Calibration Date: 04/08/2013 18:39

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000004.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.27	20.02	20.52
RDX	23.49	23.24	23.74
1,3,5-Trinitrobenzene	25.39	25.14	25.64
1,3-Dinitrobenzene	28.10	27.85	28.35
3,5-Dinitroaniline	29.23	28.98	29.48
Nitrobenzene	29.65	29.40	29.90
Tetryl	29.95	29.70	30.20
Nitroglycerin	30.42	30.17	30.67
2,4,6-Trinitrotoluene	31.14	30.89	31.39
4-Amino-2,6-dinitrotoluene	32.15	31.90	32.40
2-Amino-4,6-dinitrotoluene	32.81	32.57	33.07
2,6-Dinitrotoluene	33.97	33.72	34.22
2,4-Dinitrotoluene	34.35	34.10	34.60
2-Nitrotoluene	37.11	36.86	37.36
4-Nitrotoluene	38.31	38.06	38.56
3-Nitrotoluene	39.75	39.50	40.00
PETN	40.27	40.02	40.52
3,4-Dinitrotoluene	32.50	32.25	32.75

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	08-Apr-2013 18:39:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003758-004		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	5
Lims Batch ID:	13851	Lims Sample ID:	4
Sublist:	chrom-8330 Metab LC11*sub4		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 13:01:28	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: noonanr Date: 11-Apr-2013 13:01:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.270	20.270	0.0	512	5.43	
19 RDX						
1	23.486	23.486	0.0	504	5.36	
27 1,3,5-Trinitrobenzene						
1	25.386	25.386	0.0	1134	5.26	
24 1,3-Dinitrobenzene						
1	28.096	28.096	0.0	1150	5.03	
9 3,5-Dinitroaniline						
1	29.226	29.226	0.0	736	4.89	
5 Nitrobenzene						
1	29.650	29.650	0.0	468	4.76	
20 Tetryl						
1	29.946	29.946	0.0	550	4.48	
7 Nitroglycerin						
2	30.416	30.416	0.0	1631	18.1	
25 2,4,6-Trinitrotoluene						
1	31.143	31.143	0.0	629	4.84	
26 4-Amino-2,6-dinitrotoluene						M
1	32.150	32.150	0.0	528	5.06	M
$ 30 3,4-Dinitrotoluene						M
1	32.496	32.496	0.0	1316	18.9	M
2	32.500	32.500	0.0	2655	20.6	M
6 2-Amino-4,6-dinitrotoluene						M
1	32.806	32.822	-0.016	608	5.25	M
12 2,6-Dinitrotoluene						
1	33.973	33.973	0.0	429	5.38	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.346	34.346	0.0	673	5.16	
16 o-Nitrotoluene						
1	37.109	37.109	0.0	247	4.77	
15 p-Nitrotoluene						
1	38.313	38.313	0.0	358	5.39	
8 m-Nitrotoluene						M
1	39.749	39.749	0.0	325	4.97	M
21 PETN						
2	40.269	40.269	0.0	1245	24.3	

QC Flag Legend

Review Flags
M - Manually Integrated

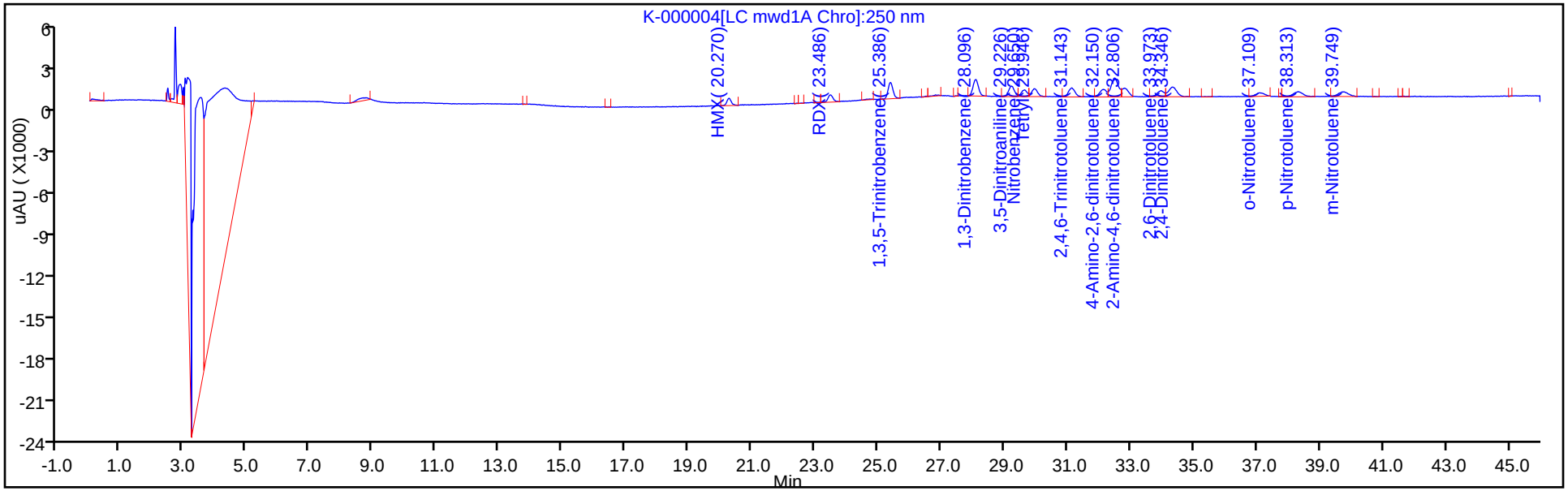
Report Date: 11-Apr-2013 13:01:28 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

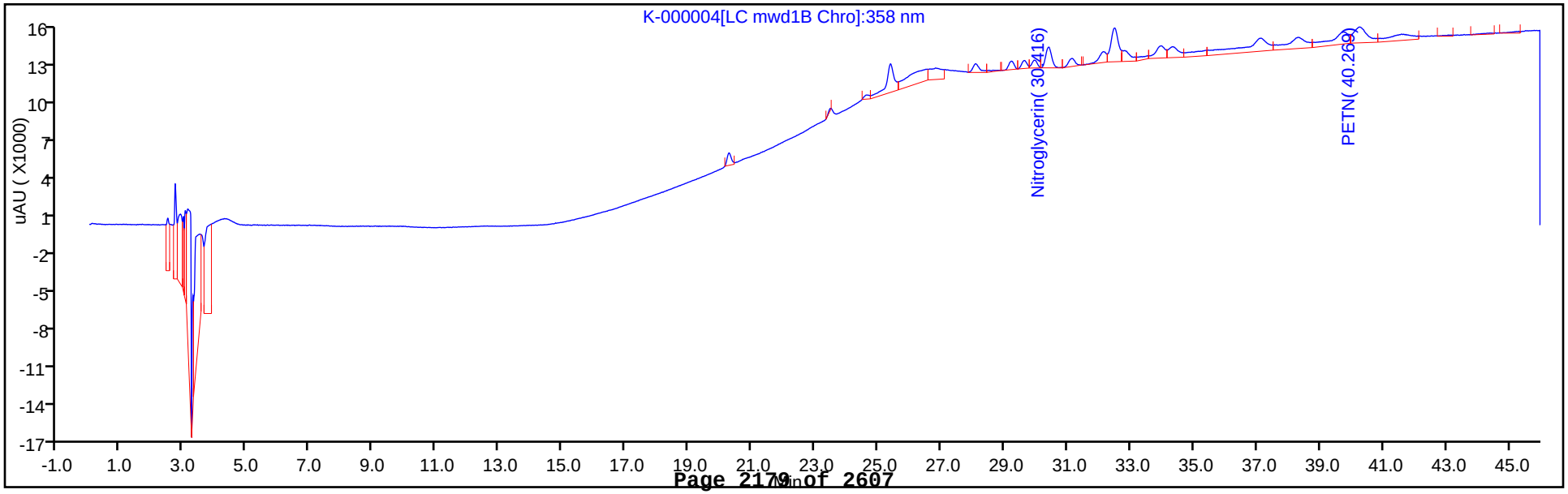
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Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

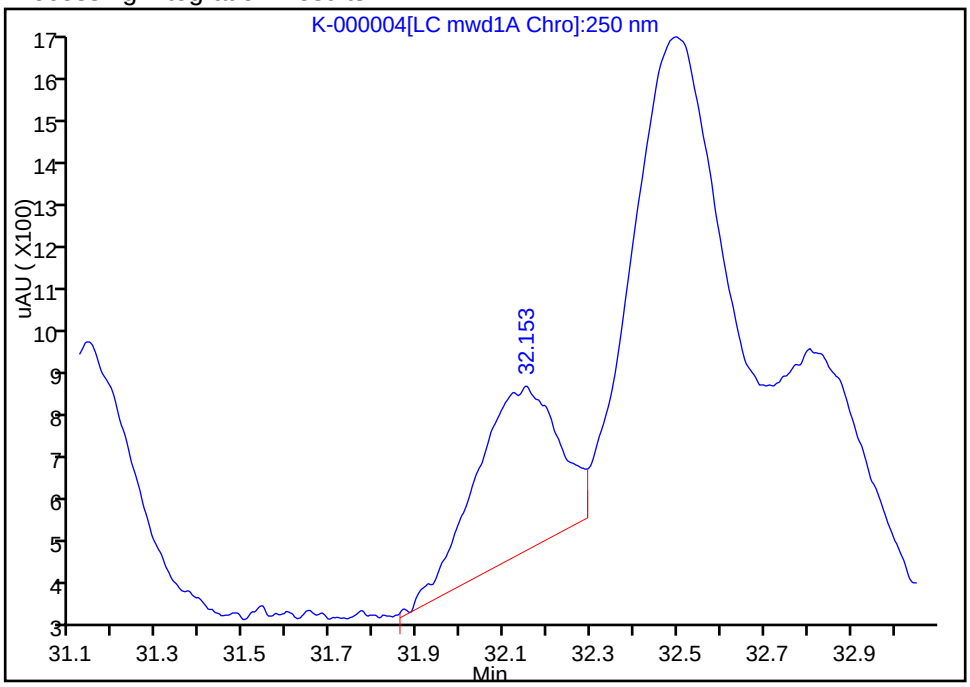
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 32.15, Det: LC mwd1A

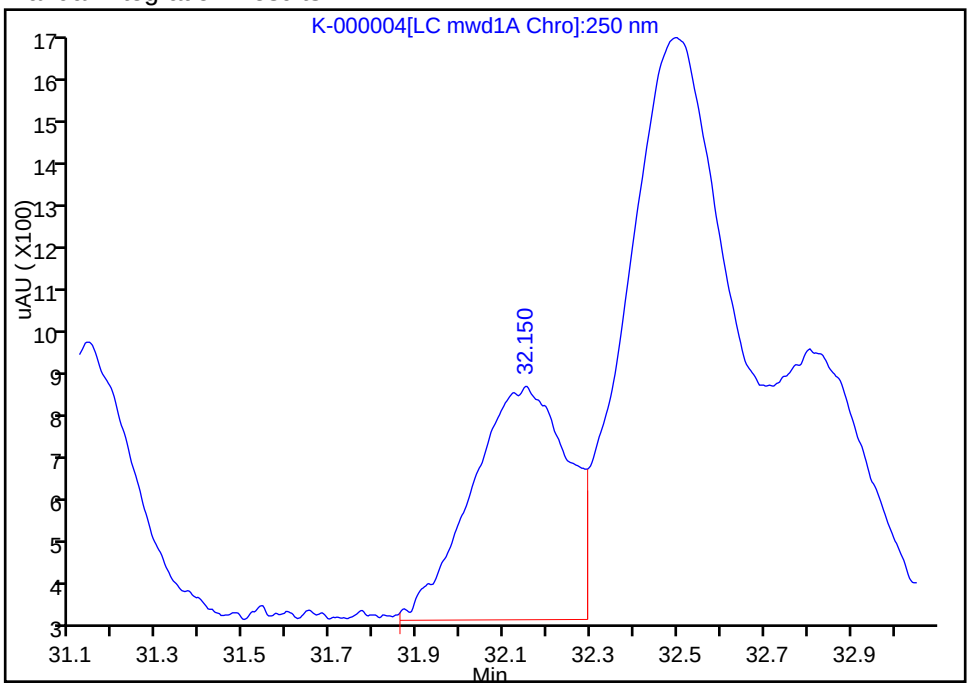
Processing Integration Results

RT: 32.15
Response: 371
Amount: 3.555560



Manual Integration Results

RT: 32.15
Response: 528
Amount: 5.060204



Reviewer: noonanr, 11-Apr-2013 13:01:28
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

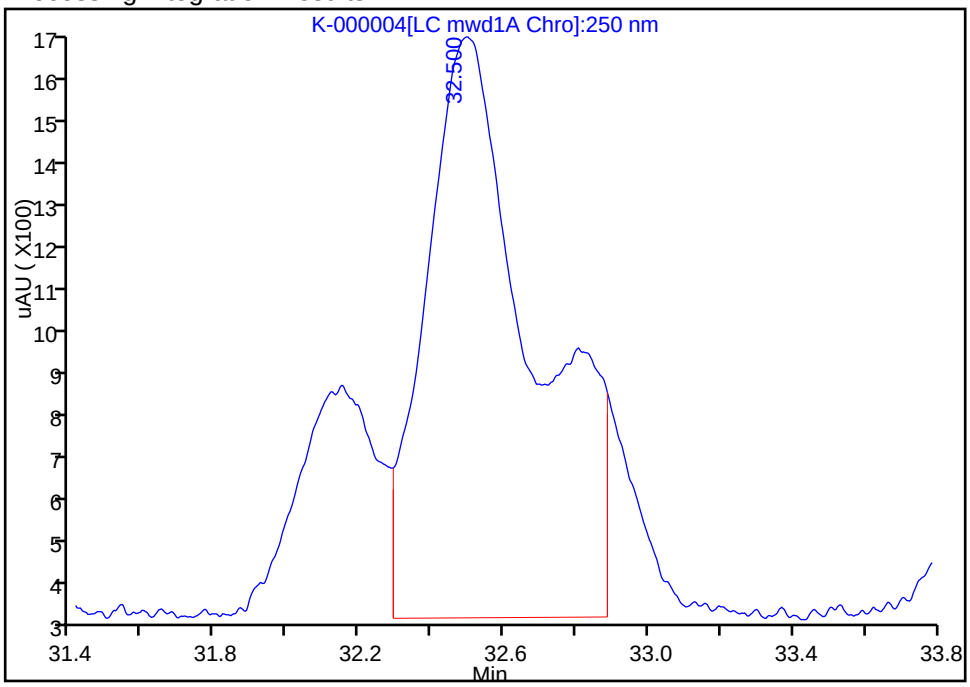
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 32.50, Det: LC mwd1A

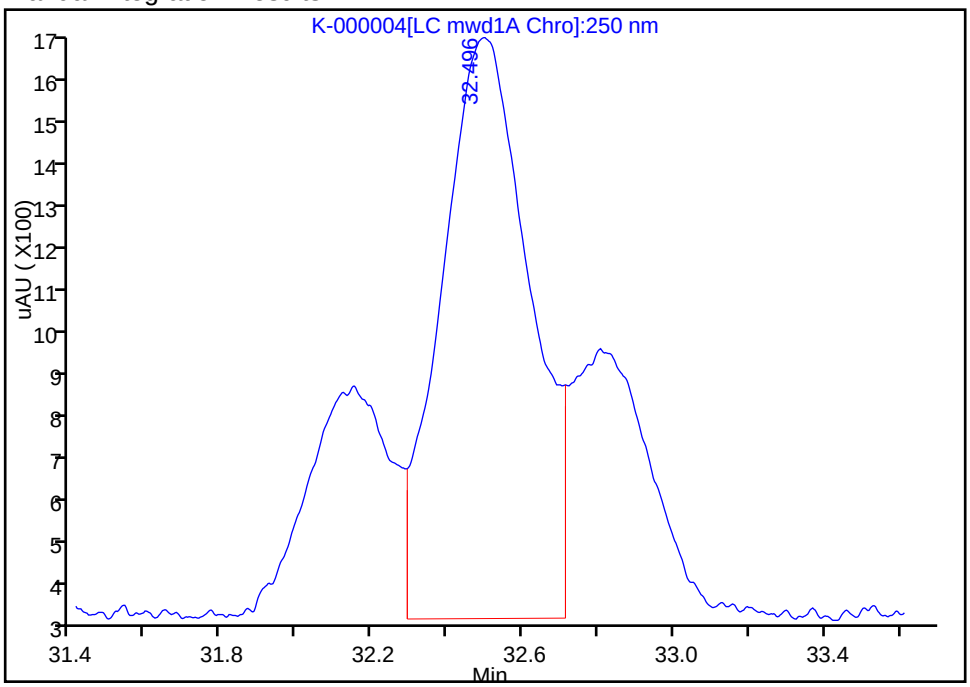
Processing Integration Results

RT: 32.50
Response: 989
Amount: 14.167931



Manual Integration Results

RT: 32.50
Response: 1316
Amount: 18.852373



Reviewer: noonanr, 11-Apr-2013 13:01:28
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Report Date: 11-Apr-2013 13:01:28 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

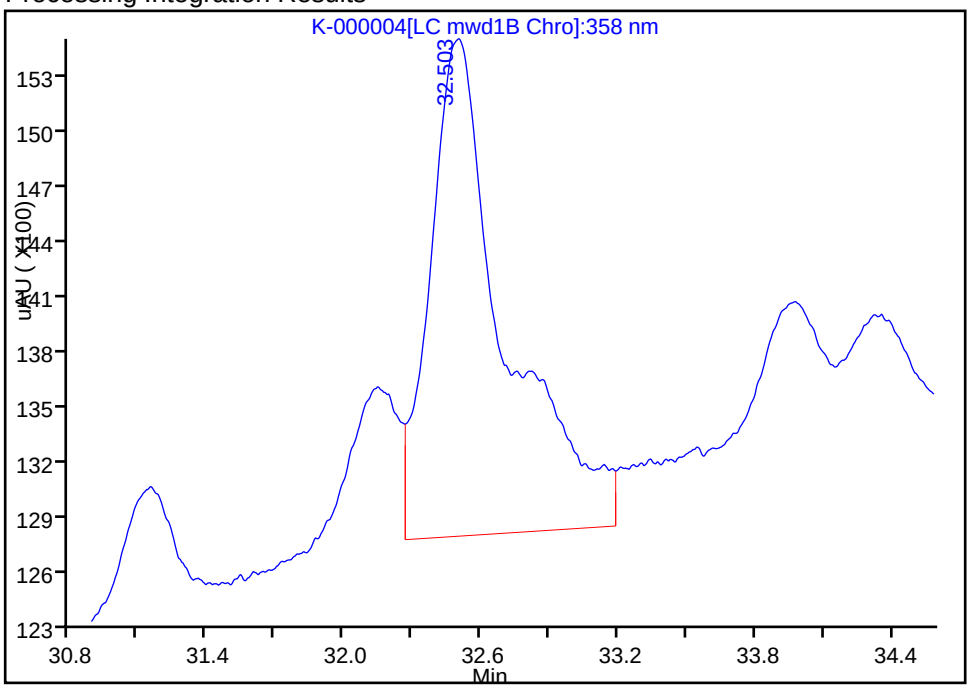
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 32.50, Det: LC mwd1B

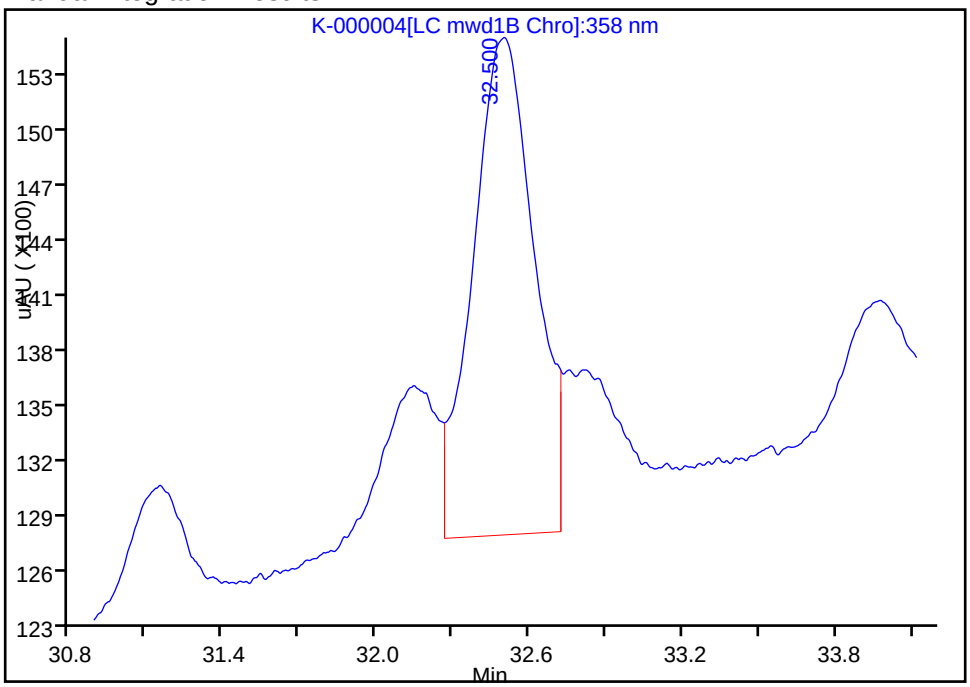
Processing Integration Results

RT: 32.50
Response: 2655
Amount: 20.564034



Manual Integration Results

RT: 32.50
Response: 2655
Amount: 20.564034



Reviewer: noonanr, 11-Apr-2013 13:01:28
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Report Date: 11-Apr-2013 13:01:28 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

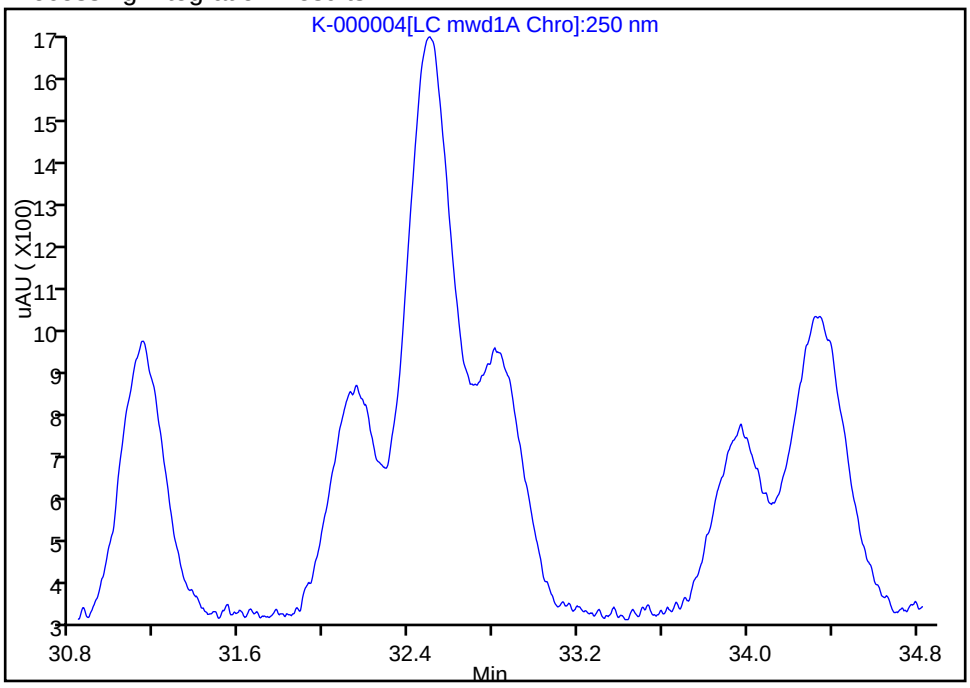
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 32.82, Det: LC mwd1A

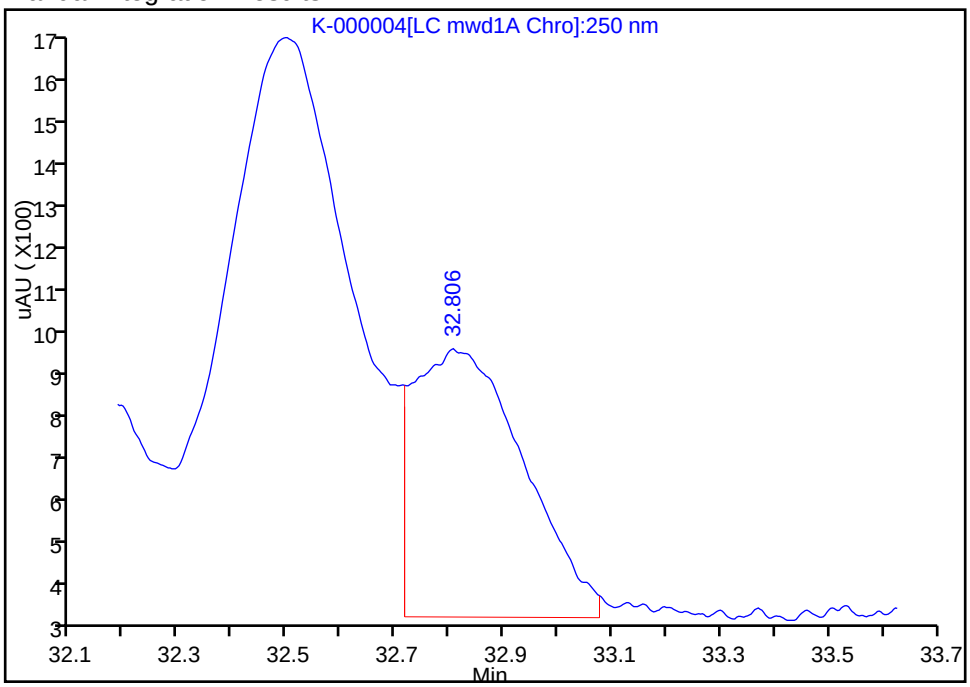
Not Detected
Expected RT: 32.82

Processing Integration Results



Manual Integration Results

RT: 32.81
Response: 608
Amount: 5.254465



Reviewer: noonanr, 11-Apr-2013 13:01:28
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

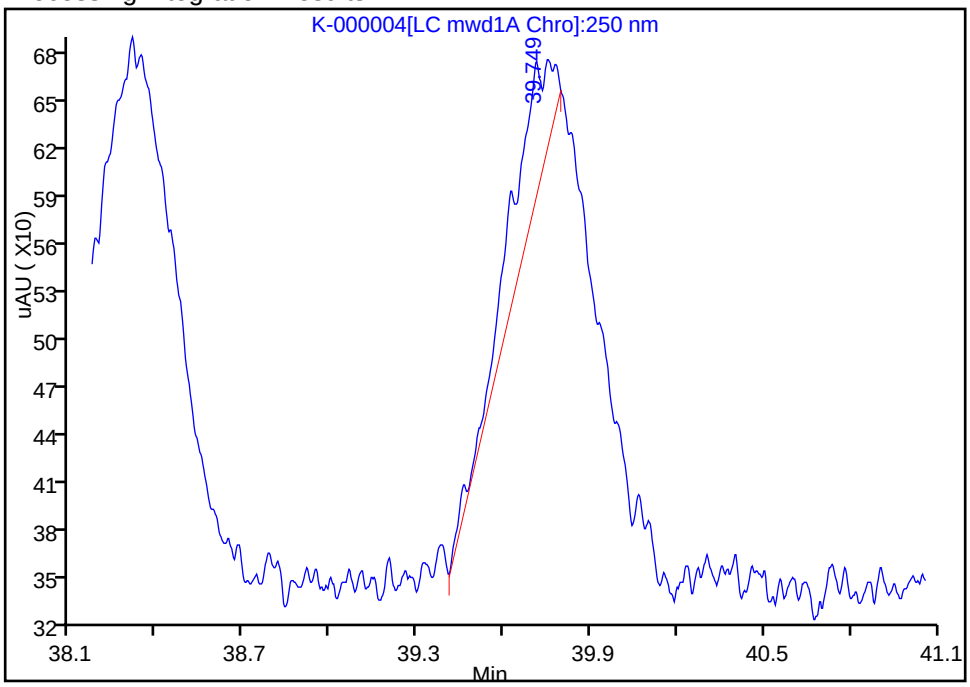
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000004.D		
Injection Date:	08-Apr-2013 18:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	4
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 39.75, Det: LC mwd1A

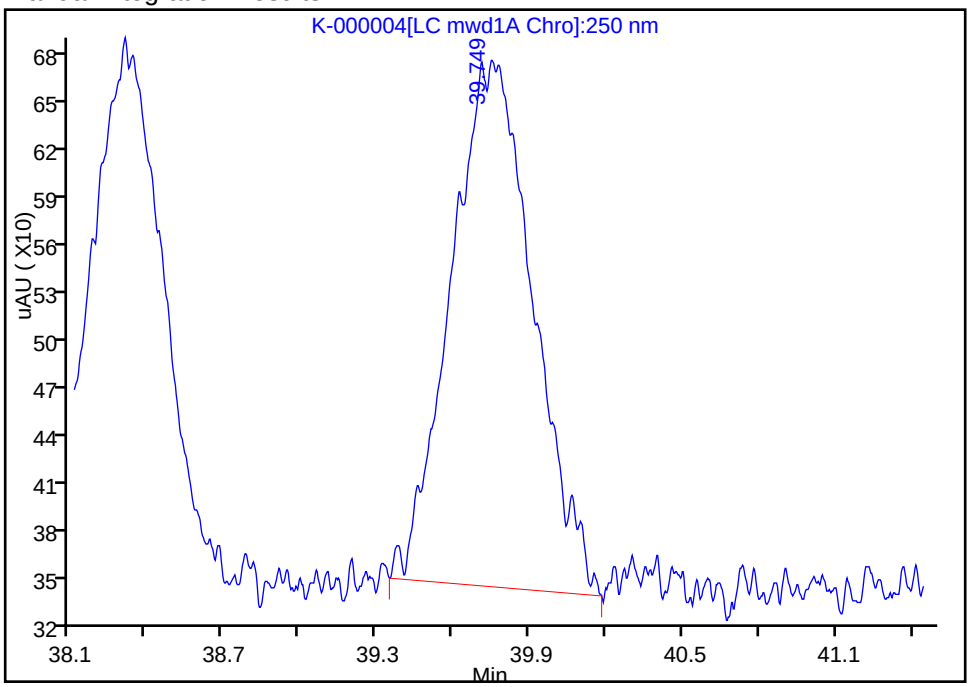
Processing Integration Results

RT: 39.75
Response: 56
Amount: 0.855939



Manual Integration Results

RT: 39.75
Response: 325
Amount: 4.967501



Reviewer: noonanr, 11-Apr-2013 13:01:28
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/14 Calibration Date: 04/09/2013 04:09

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	91.68		97.3	100	-2.7	20.0
RDX	Ave	94.00	90.08		95.8	100	-4.2	20.0
1,3,5-Trinitrobenzene	Ave	215.4	202.4		94.0	100	-6.0	20.0
Picric acid	Ave	189.5	185.7		245	250	-2.0	20.0
1,3-Dinitrobenzene	Ave	228.7	217.2		95.0	100	-5.0	20.0
3,5-Dinitroaniline	Ave	150.4	137.4		91.3	100	-8.7	20.0
Nitrobenzene	Ave	98.42	94.73		96.3	100	-3.7	20.0
Tetryl	Ave	122.8	116.7		95.0	100	-5.0	20.0
Nitroglycerin	Ave	90.04	94.30		105	100	4.7	20.0
2,4,6-Trinitrotoluene	Ave	129.9	124.9		96.2	100	-3.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	95.38		91.4	100	-8.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	107.5		92.9	100	-7.1	20.0
2,6-Dinitrotoluene	Ave	79.69	74.51		93.5	100	-6.5	20.0
2,4-Dinitrotoluene	Ave	130.5	124.6		95.5	100	-4.5	20.0
2-Nitrotoluene	Ave	51.81	53.09		102	100	2.5	20.0
4-Nitrotoluene	Ave	66.41	67.01		101	100	0.9	20.0
3-Nitrotoluene	Ave	65.43	65.91		101	100	0.7	20.0
PETN	Ave	51.32	51.62		101	100	0.6	20.0
3,4-Dinitrotoluene	Ave	69.81	68.32		97.9	100	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/14 Calibration Date: 04/09/2013 04:09

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.47	23.22	23.72
1,3,5-Trinitrobenzene	25.37	25.12	25.62
Picric acid	25.80	25.55	26.05
1,3-Dinitrobenzene	28.07	27.82	28.32
3,5-Dinitroaniline	29.20	28.95	29.45
Nitrobenzene	29.61	29.36	29.86
Tetryl	29.94	29.69	30.19
Nitroglycerin	30.39	30.14	30.64
2,4,6-Trinitrotoluene	31.12	30.87	31.37
4-Amino-2,6-dinitrotoluene	32.13	31.88	32.38
2-Amino-4,6-dinitrotoluene	32.80	32.55	33.05
2,6-Dinitrotoluene	33.94	33.69	34.19
2,4-Dinitrotoluene	34.32	34.07	34.57
2-Nitrotoluene	37.10	36.85	37.35
4-Nitrotoluene	38.30	38.05	38.55
3-Nitrotoluene	39.73	39.48	39.98
PETN	40.23	39.98	40.48
3,4-Dinitrotoluene	32.48	32.23	32.73

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000014.D		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	09-Apr-2013 04:09:22	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003758-014		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	3
Lims Batch ID:	13851	Lims Sample ID:	14
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 09:10:31	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: russellk Date: 09-Apr-2013 09:29:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.254	20.254	0.0	9168	97.3	
19 RDX						
1	23.471	23.471	0.0	9008	95.8	
27 1,3,5-Trinitrobenzene						
1	25.371	25.371	0.0	20242	94.0	
10 2,4,6-Trinitrophenol						
2	25.804	25.804	0.0	46434	245.0	
1	25.807	25.807	0.0	31540	255.1	
24 1,3-Dinitrobenzene						
1	28.071	28.071	0.0	21716	95.0	
9 3,5-Dinitroaniline						
1	29.204	29.204	0.0	13741	91.3	
5 Nitrobenzene						
1	29.611	29.611	0.0	9473	96.3	
20 Tetryl						
1	29.941	29.941	0.0	11668	95.0	
7 Nitroglycerin						
2	30.387	30.387	0.0	9430	104.7	
25 2,4,6-Trinitrotoluene						
1	31.117	31.117	0.0	12493	96.2	
26 4-Amino-2,6-dinitrotoluene						
1	32.131	32.131	0.0	9538	91.4	
$ 30 3,4-Dinitrotoluene						
1	32.481	32.481	0.0	6832	97.9	
2	32.477	32.477	0.0	13799	106.9	
6 2-Amino-4,6-dinitrotoluene						
1	32.804	32.804	0.0	10754	92.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.944	33.944	0.0	7451	93.5	
23 2,4-Dinitrotoluene						
1	34.324	34.324	0.0	12462	95.5	
16 o-Nitrotoluene						
1	37.100	37.100	0.0	5309	102.5	
15 p-Nitrotoluene						
1	38.300	38.300	0.0	6701	100.9	
8 m-Nitrotoluene						
1	39.730	39.730	0.0	6591	100.7	
21 PETN						
2	40.234	40.234	0.0	5162	100.6	

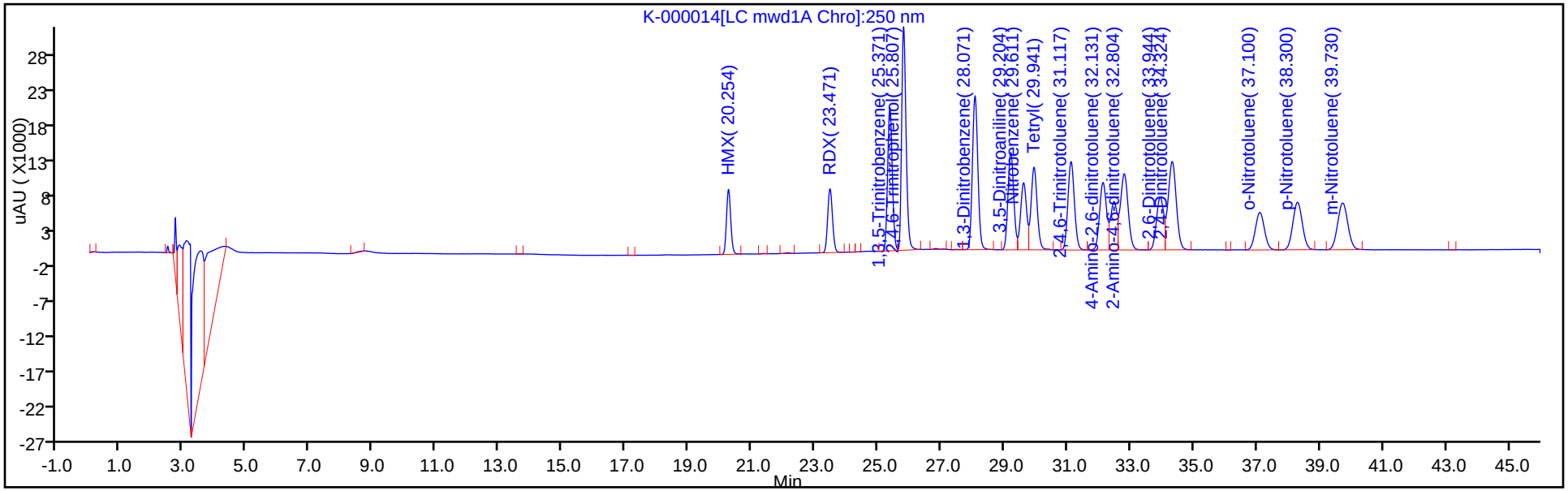
Report Date: 11-Apr-2013 09:10:32 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

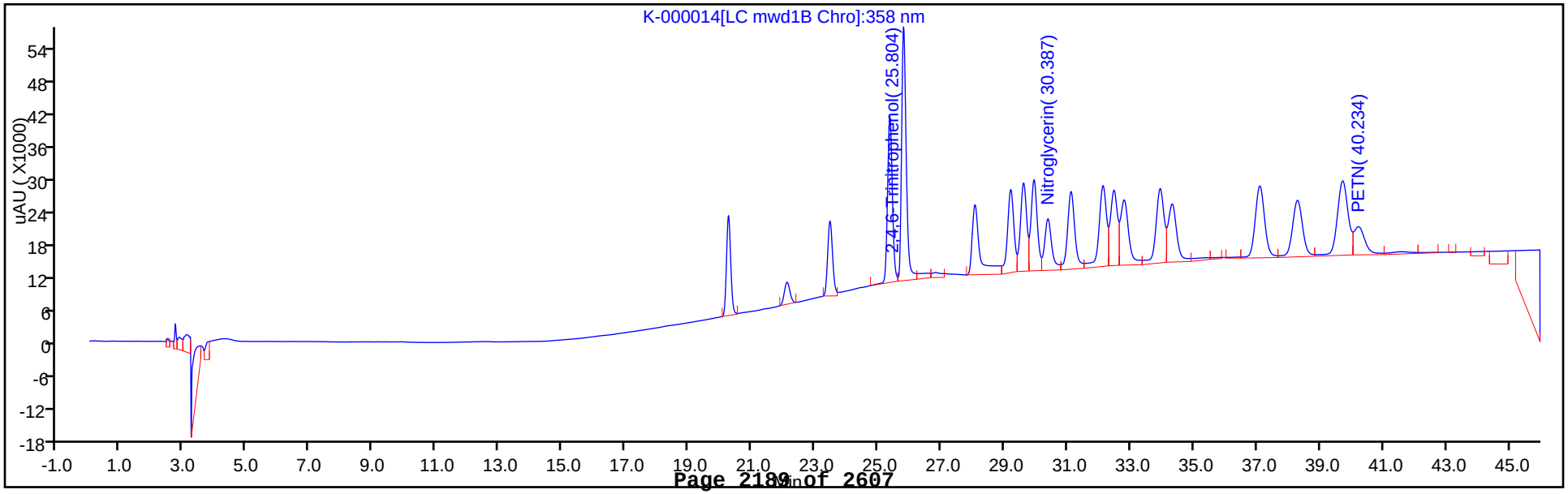
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Injection Date:	09-Apr-2013 04:09:22	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	14
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/15 Calibration Date: 04/09/2013 05:06

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	99.20		5.26	5.00	5.3	30.0
RDX	Ave	94.00	95.40		5.07	5.00	1.5	30.0
1,3,5-Trinitrobenzene	Ave	215.4	230.0		5.34	5.00	6.8	30.0
1,3-Dinitrobenzene	Ave	228.7	231.0		5.05	5.00	1.0	30.0
3,5-Dinitroaniline	Ave	150.4	146.8		4.88	5.00	-2.4	30.0
Nitrobenzene	Ave	98.42	88.80		4.51	5.00	-9.8	30.0
Tetryl	Ave	122.8	109.6		4.46	5.00	-10.7	30.0
Nitroglycerin	Ave	90.04	81.95		18.2	20.0	-9.0	30.0
2,4,6-Trinitrotoluene	Ave	129.9	125.4		4.83	5.00	-3.5	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	107.8		5.17	5.00	3.3	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	120.6		5.21	5.00	4.2	30.0
2,6-Dinitrotoluene	Ave	79.69	84.80		5.32	5.00	6.4	30.0
2,4-Dinitrotoluene	Ave	130.5	133.8		5.12	5.00	2.5	30.0
2-Nitrotoluene	Ave	51.81	54.00		5.21	5.00	4.2	30.0
4-Nitrotoluene	Ave	66.41	66.40		5.00	5.00	-0.0	30.0
3-Nitrotoluene	Ave	65.43	68.00		5.20	5.00	3.9	30.0
PETN	Ave	51.32	51.50		20.1	20.0	0.3	30.0
3,4-Dinitrotoluene	Ave	69.81	65.90		18.9	20.0	-5.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/15 Calibration Date: 04/09/2013 05:06

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.50	23.25	23.75
1,3,5-Trinitrobenzene	25.38	25.13	25.63
1,3-Dinitrobenzene	28.09	27.84	28.34
3,5-Dinitroaniline	29.24	28.99	29.49
Nitrobenzene	29.62	29.37	29.87
Tetryl	29.95	29.70	30.20
Nitroglycerin	30.40	30.15	30.65
2,4,6-Trinitrotoluene	31.13	30.88	31.38
4-Amino-2,6-dinitrotoluene	32.14	31.89	32.39
2-Amino-4,6-dinitrotoluene	32.82	32.57	33.07
2,6-Dinitrotoluene	33.95	33.70	34.20
2,4-Dinitrotoluene	34.33	34.08	34.58
2-Nitrotoluene	37.10	36.85	37.35
4-Nitrotoluene	38.31	38.06	38.56
3-Nitrotoluene	39.74	39.49	39.99
PETN	40.21	39.96	40.46
3,4-Dinitrotoluene	32.48	32.23	32.73

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000015.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	09-Apr-2013 05:06:29	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003758-015		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	5
Lims Batch ID:	13851	Lims Sample ID:	15
Sublist:	chrom-8330 Metab LC11*sub4		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 13:08:56	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: noonanr Date: 11-Apr-2013 13:08:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.253	20.253	0.0	496	5.26	
19 RDX						
1	23.499	23.499	0.0	477	5.07	
27 1,3,5-Trinitrobenzene						
1	25.383	25.383	0.0	1150	5.34	
24 1,3-Dinitrobenzene						
1	28.086	28.086	0.0	1155	5.05	
9 3,5-Dinitroaniline						
1	29.236	29.236	0.0	734	4.88	
5 Nitrobenzene						
1	29.619	29.619	0.0	444	4.51	
20 Tetryl						
1	29.953	29.953	0.0	548	4.46	
7 Nitroglycerin						
2	30.399	30.399	0.0	1639	18.2	
25 2,4,6-Trinitrotoluene						
1	31.129	31.129	0.0	627	4.83	
26 4-Amino-2,6-dinitrotoluene						
1	32.136	32.136	0.0	539	5.17	
$ 30 3,4-Dinitrotoluene						
1	32.483	32.483	0.0	1318	18.9	
2	32.489	32.489	0.0	2667	20.7	
6 2-Amino-4,6-dinitrotoluene						
1	32.816	32.816	0.0	603	5.21	
12 2,6-Dinitrotoluene						
1	33.953	33.953	0.0	424	5.32	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.329	34.329	0.0	669	5.12	
16 o-Nitrotoluene						
1	37.099	37.099	0.0	270	5.21	
15 p-Nitrotoluene						
1	38.309	38.309	0.0	332	5.00	
8 m-Nitrotoluene						
1	39.743	39.743	0.0	340	5.20	
21 PETN						M
2	40.213	40.213	0.0	1030	20.1	M

QC Flag Legend

Review Flags
M - Manually Integrated

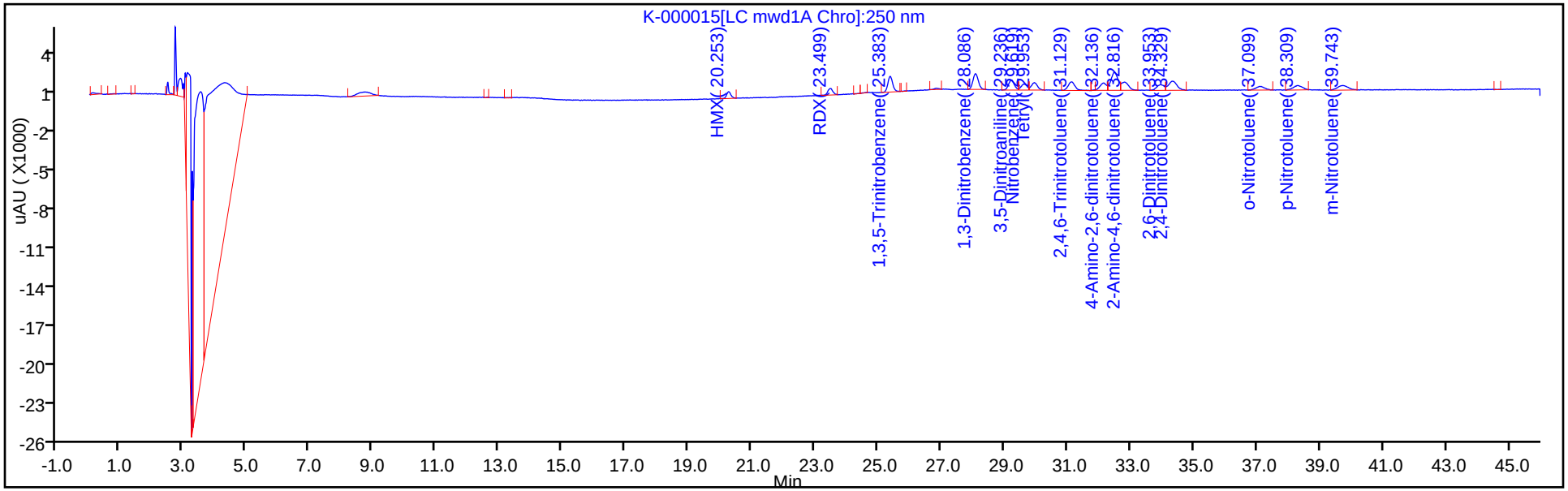
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TestAmerica Sacramento

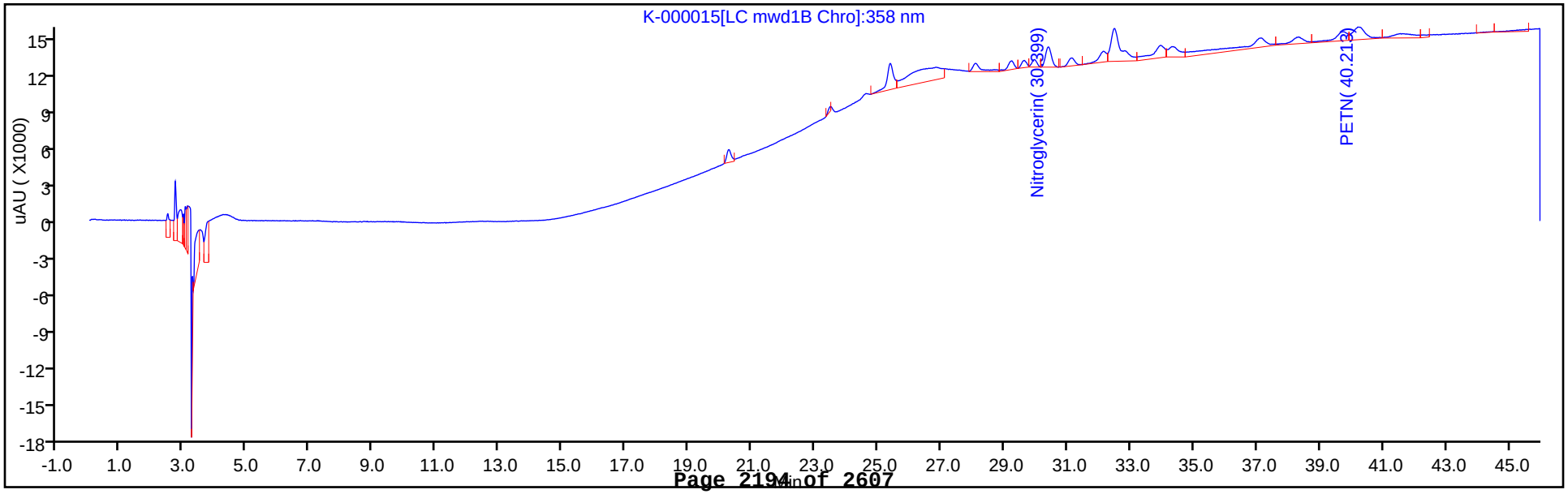
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Injection Date:	09-Apr-2013 05:06:29	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	15
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

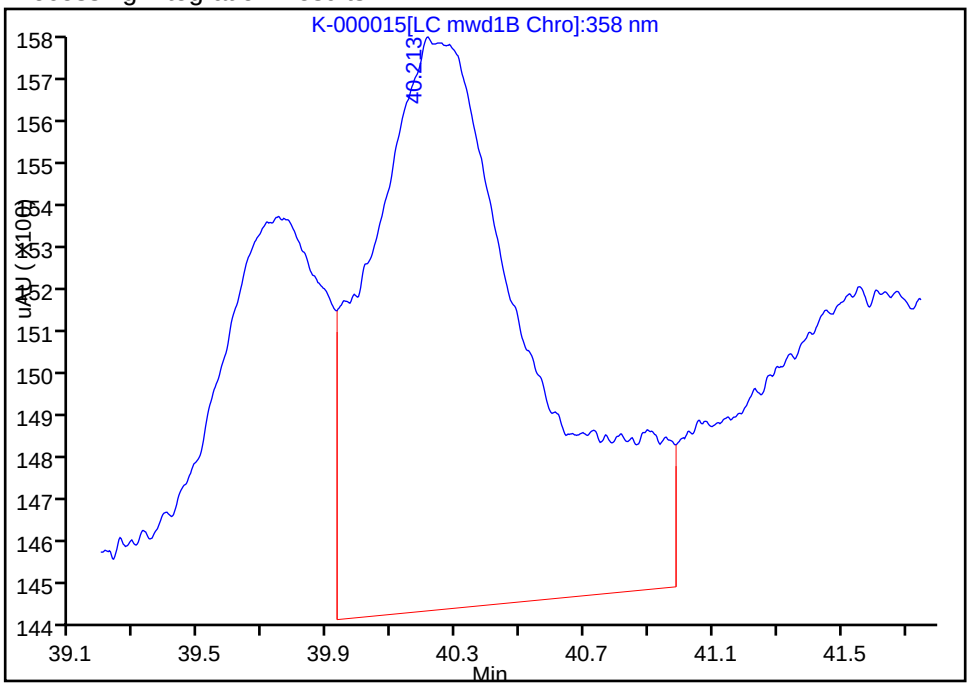
TestAmerica Sacramento

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Injection Date:	09-Apr-2013 05:06:29	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	15
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 40.21, Det: LC mwd1B

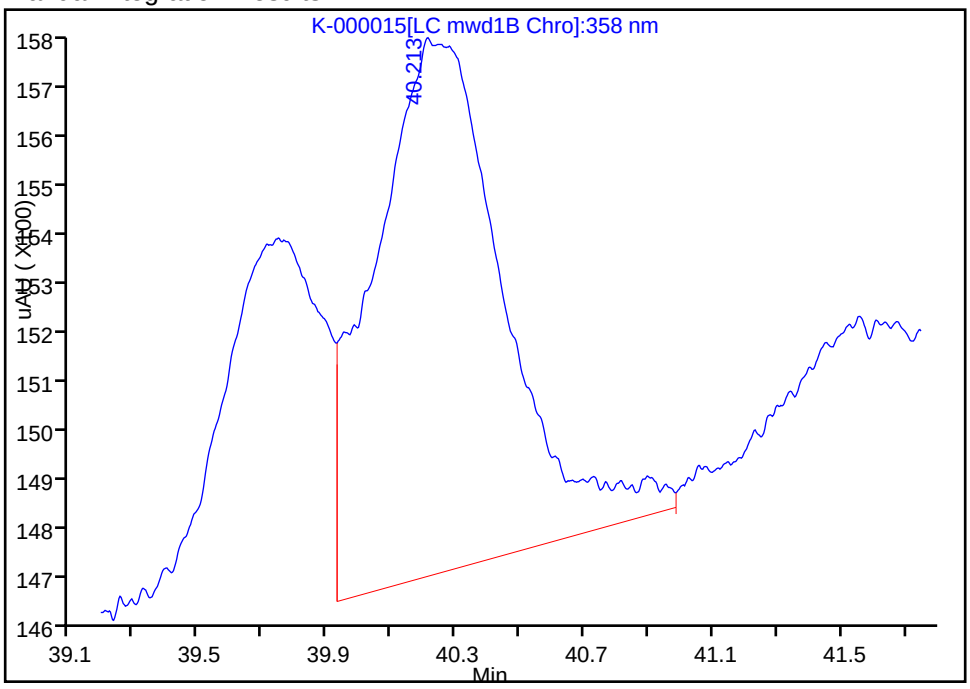
Processing Integration Results

RT: 40.21
Response: 1225
Amount: 23.867821



Manual Integration Results

RT: 40.21
Response: 1030
Amount: 20.068454



Reviewer: noonanr, 11-Apr-2013 13:08:56
Audit Action: Assigned New Baseline
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/25 Calibration Date: 04/09/2013 14:37

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000025.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	91.69		97.3	100	-2.7	20.0
RDX	Ave	94.00	90.39		96.2	100	-3.8	20.0
1,3,5-Trinitrobenzene	Ave	215.4	202.9		94.2	100	-5.8	20.0
Picric acid	Ave	189.5	186.2		246	250	-1.7	20.0
1,3-Dinitrobenzene	Ave	228.7	216.9		94.9	100	-5.1	20.0
3,5-Dinitroaniline	Ave	150.4	136.8		90.9	100	-9.1	20.0
Nitrobenzene	Ave	98.42	91.81		93.3	100	-6.7	20.0
Tetryl	Ave	122.8	116.3		94.8	100	-5.2	20.0
Nitroglycerin	Ave	90.04	91.83		102	100	2.0	20.0
2,4,6-Trinitrotoluene	Ave	129.9	124.6		95.9	100	-4.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	95.67		91.7	100	-8.3	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	108.2		93.5	100	-6.5	20.0
2,6-Dinitrotoluene	Ave	79.69	75.00		94.1	100	-5.9	20.0
2,4-Dinitrotoluene	Ave	130.5	125.5		96.1	100	-3.9	20.0
2-Nitrotoluene	Ave	51.81	51.67		99.7	100	-0.3	20.0
4-Nitrotoluene	Ave	66.41	66.12		99.6	100	-0.4	20.0
3-Nitrotoluene	Ave	65.43	64.74		99.0	100	-1.0	20.0
PETN	Ave	51.32	51.53		100	100	0.4	20.0
3,4-Dinitrotoluene	Ave	69.81	68.32		97.9	100	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/25 Calibration Date: 04/09/2013 14:37

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.47	23.22	23.72
1,3,5-Trinitrobenzene	25.38	25.13	25.63
Picric acid	25.82	25.57	26.07
1,3-Dinitrobenzene	28.08	27.83	28.33
3,5-Dinitroaniline	29.21	28.96	29.46
Nitrobenzene	29.62	29.37	29.87
Tetryl	29.95	29.70	30.20
Nitroglycerin	30.39	30.14	30.64
2,4,6-Trinitrotoluene	31.12	30.87	31.37
4-Amino-2,6-dinitrotoluene	32.13	31.88	32.38
2-Amino-4,6-dinitrotoluene	32.80	32.55	33.05
2,6-Dinitrotoluene	33.94	33.69	34.19
2,4-Dinitrotoluene	34.32	34.07	34.57
2-Nitrotoluene	37.10	36.85	37.35
4-Nitrotoluene	38.29	38.04	38.54
3-Nitrotoluene	39.72	39.47	39.97
PETN	40.23	39.98	40.48
3,4-Dinitrotoluene	32.48	32.23	32.73

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000025.D		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	09-Apr-2013 14:37:30	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003758-025		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	3
Lims Batch ID:	13851	Lims Sample ID:	25
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 09:10:33	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		
First Level Reviewer: russellk		Date:	09-Apr-2013 15:56:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.249	20.249	0.0	9169	97.3	
19 RDX						
1	23.473	23.473	0.0	9039	96.2	
27 1,3,5-Trinitrobenzene						
1	25.376	25.376	0.0	20288	94.2	
10 2,4,6-Trinitrophenol						
2	25.819	25.819	0.0	46552	245.6	
1	25.819	25.819	0.0	31572	255.3	
24 1,3-Dinitrobenzene						
1	28.079	28.079	0.0	21690	94.9	
9 3,5-Dinitroaniline						
1	29.213	29.213	0.0	13681	90.9	
5 Nitrobenzene						
1	29.619	29.619	0.0	9181	93.3	
20 Tetryl						
1	29.946	29.946	0.0	11634	94.8	
7 Nitroglycerin						
2	30.386	30.386	0.0	9183	102.0	
25 2,4,6-Trinitrotoluene						
1	31.116	31.116	0.0	12456	95.9	
26 4-Amino-2,6-dinitrotoluene						
1	32.126	32.126	0.0	9567	91.7	
$ 30 3,4-Dinitrotoluene						
1	32.476	32.476	0.0	6832	97.9	
2	32.476	32.476	0.0	13655	105.8	
6 2-Amino-4,6-dinitrotoluene						
1	32.799	32.799	0.0	10817	93.5	

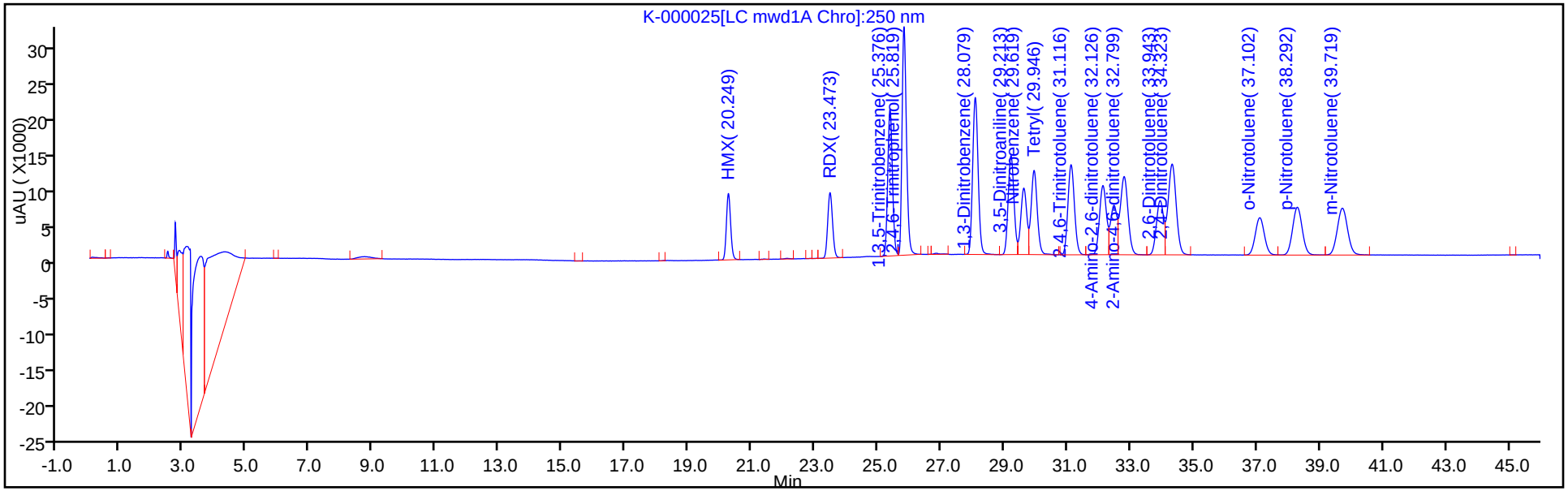
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.943	33.943	0.0	7500	94.1	
23 2,4-Dinitrotoluene						
1	34.323	34.323	0.0	12549	96.1	
16 o-Nitrotoluene						
1	37.102	37.102	0.0	5167	99.7	
15 p-Nitrotoluene						
1	38.292	38.292	0.0	6612	99.6	
8 m-Nitrotoluene						
1	39.719	39.719	0.0	6474	99.0	
21 PETN						
2	40.229	40.229	0.0	5153	100.4	

Report Date: 11-Apr-2013 09:10:33 Chrom Revision: 2.1 07-Apr-2013 20:36:54

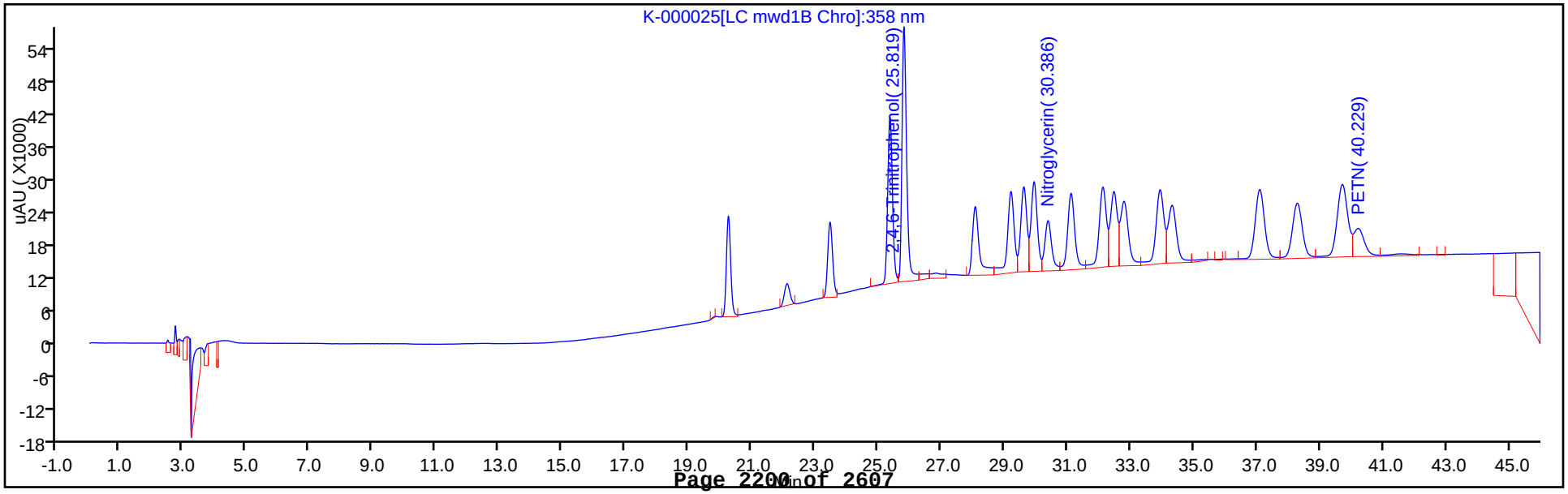
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000025.D		
Injection Date:	09-Apr-2013 14:37:30	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	25
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/26 Calibration Date: 04/09/2013 15:34

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000026.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	99.40		5.28	5.00	5.5	30.0
RDX	Ave	94.00	101.6		5.40	5.00	8.1	30.0
1,3,5-Trinitrobenzene	Ave	215.4	229.2		5.32	5.00	6.4	30.0
1,3-Dinitrobenzene	Ave	228.7	235.4		5.15	5.00	2.9	30.0
3,5-Dinitroaniline	Ave	150.4	144.8		4.81	5.00	-3.8	30.0
Nitrobenzene	Ave	98.42	94.80		4.82	5.00	-3.7	30.0
Tetryl	Ave	122.8	112.8		4.59	5.00	-8.1	30.0
Nitroglycerin	Ave	90.04	83.40		18.5	20.0	-7.4	30.0
2,4,6-Trinitrotoluene	Ave	129.9	127.8		4.92	5.00	-1.6	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	105.2		5.04	5.00	0.8	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	119.2		5.15	5.00	3.0	30.0
2,6-Dinitrotoluene	Ave	79.69	80.00		5.02	5.00	0.4	30.0
2,4-Dinitrotoluene	Ave	130.5	134.0		5.13	5.00	2.6	30.0
2-Nitrotoluene	Ave	51.81	53.60		5.17	5.00	3.5	30.0
4-Nitrotoluene	Ave	66.41	68.00		5.12	5.00	2.4	30.0
3-Nitrotoluene	Ave	65.43	67.00		5.12	5.00	2.4	30.0
PETN	Ave	51.32	49.65		19.3	20.0	-3.3	30.0
3,4-Dinitrotoluene	Ave	69.81	64.85		18.6	20.0	-7.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/26 Calibration Date: 04/09/2013 15:34

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.47	23.22	23.72
1,3,5-Trinitrobenzene	25.38	25.13	25.63
1,3-Dinitrobenzene	28.07	27.82	28.32
3,5-Dinitroaniline	29.20	28.95	29.45
Nitrobenzene	29.60	29.35	29.85
Tetryl	29.96	29.71	30.21
Nitroglycerin	30.39	30.14	30.64
2,4,6-Trinitrotoluene	31.11	30.86	31.36
4-Amino-2,6-dinitrotoluene	32.12	31.87	32.37
2-Amino-4,6-dinitrotoluene	32.79	32.54	33.04
2,6-Dinitrotoluene	33.92	33.67	34.17
2,4-Dinitrotoluene	34.32	34.07	34.57
2-Nitrotoluene	37.07	36.82	37.32
4-Nitrotoluene	38.28	38.03	38.53
3-Nitrotoluene	39.72	39.47	39.97
PETN	40.23	39.98	40.48
3,4-Dinitrotoluene	32.47	32.22	32.72

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000026.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	09-Apr-2013 15:34:41	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003758-026		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	6
Lims Batch ID:	13851	Lims Sample ID:	26
Sublist:	chrom-8330 Metab LC11*sub4		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 14:40:11	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		
First Level Reviewer: russellk		Date:	10-Apr-2013 11:57:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.254	20.254	0.0	497	5.28	
19 RDX						
1	23.474	23.474	0.0	508	5.40	
27 1,3,5-Trinitrobenzene						
1	25.378	25.378	0.0	1146	5.32	
24 1,3-Dinitrobenzene						
1	28.071	28.071	0.0	1177	5.15	
9 3,5-Dinitroaniline						
1	29.204	29.204	0.0	724	4.81	
5 Nitrobenzene						
1	29.604	29.604	0.0	474	4.82	
20 Tetryl						
1	29.958	29.958	0.0	564	4.59	
7 Nitroglycerin						
2	30.391	30.391	0.0	1668	18.5	
25 2,4,6-Trinitrotoluene						
1	31.108	31.108	0.0	639	4.92	
26 4-Amino-2,6-dinitrotoluene						
1	32.124	32.124	0.0	526	5.04	
$ 30 3,4-Dinitrotoluene						
1	32.471	32.471	0.0	1297	18.6	
2	32.481	32.481	0.0	2702	20.9	
6 2-Amino-4,6-dinitrotoluene						
1	32.794	32.794	0.0	596	5.15	
12 2,6-Dinitrotoluene						
1	33.921	33.921	0.0	400	5.02	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.324	34.324	0.0	670	5.13	
16 o-Nitrotoluene						
1	37.071	37.071	0.0	268	5.17	
15 p-Nitrotoluene						
1	38.281	38.281	0.0	340	5.12	
8 m-Nitrotoluene						M
1	39.721	39.721	0.0	335	5.12	M
21 PETN						M
2	40.227	40.227	0.0	993	19.3	M

QC Flag Legend

Review Flags
M - Manually Integrated

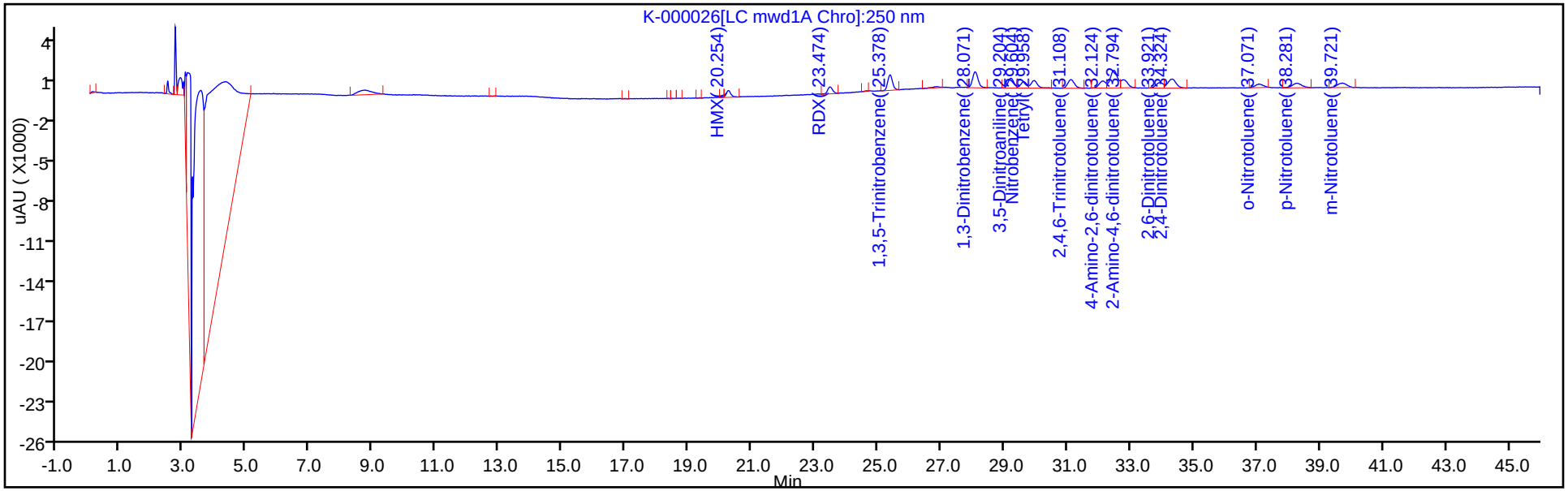
Report Date: 11-Apr-2013 14:40:11 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

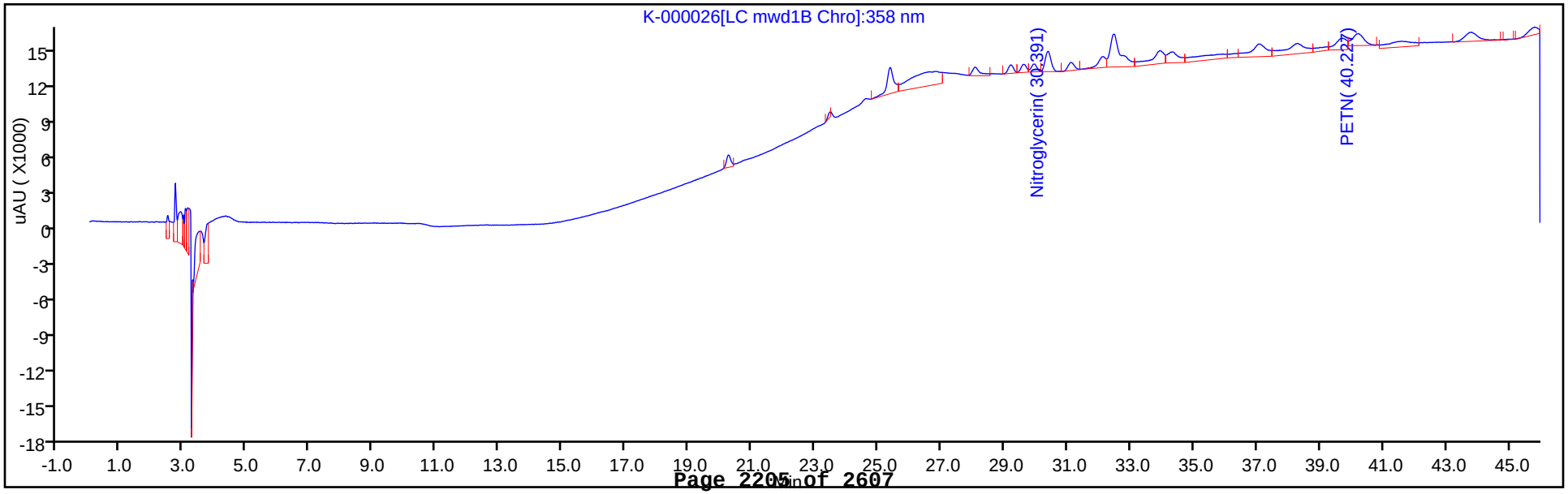
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000026.D

Injection Date:	09-Apr-2013 15:34:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	26
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

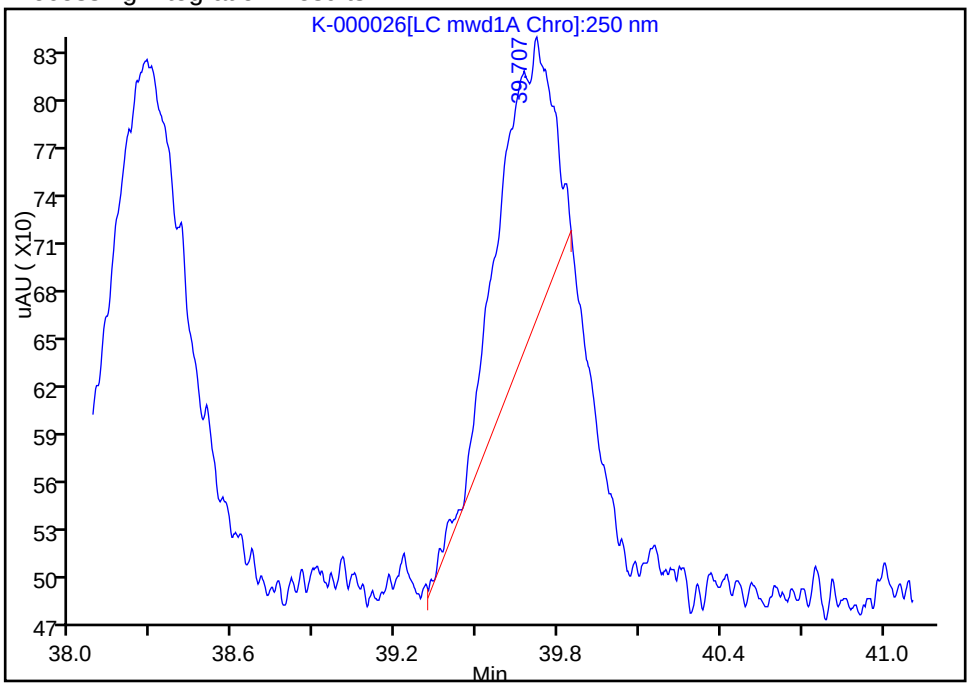
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000026.D		
Injection Date:	09-Apr-2013 15:34:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	26
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 39.72, Det: LC mwd1A

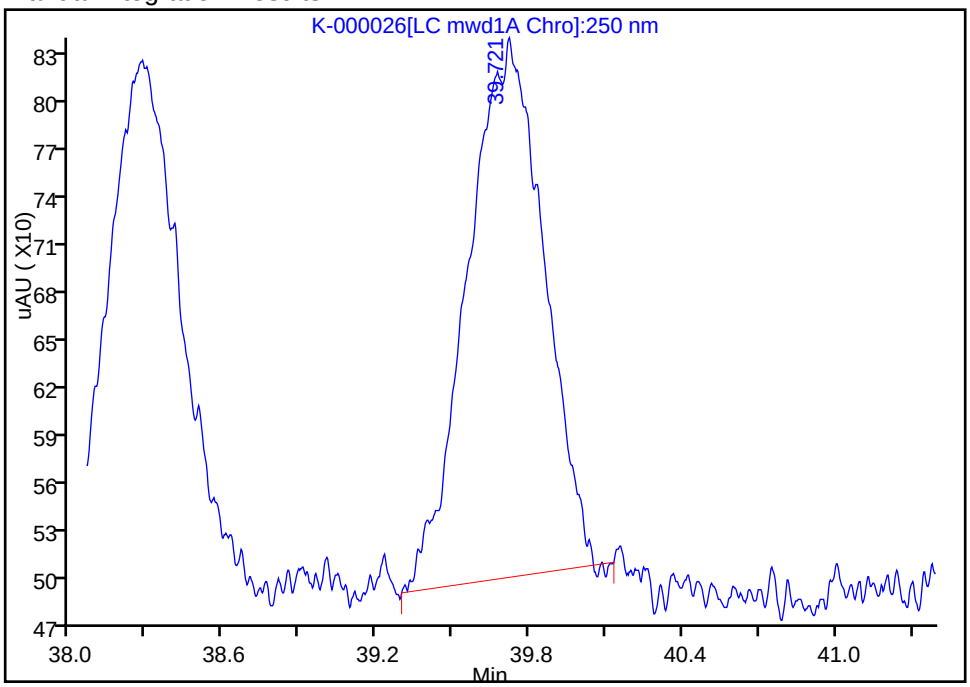
Processing Integration Results

RT: 39.71
Response: 164
Amount: 2.506677



Manual Integration Results

RT: 39.72
Response: 335
Amount: 5.120347



Reviewer: noonanr, 11-Apr-2013 14:40:11
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 11-Apr-2013 14:40:11 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

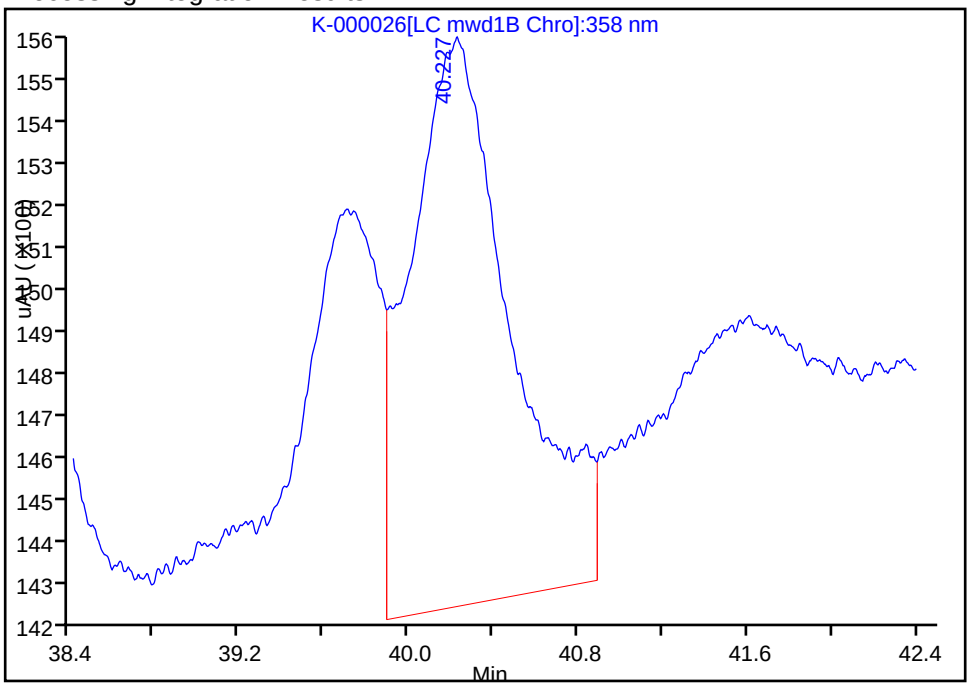
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000026.D		
Injection Date:	09-Apr-2013 15:34:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	26
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 40.23, Det: LC mwd1B

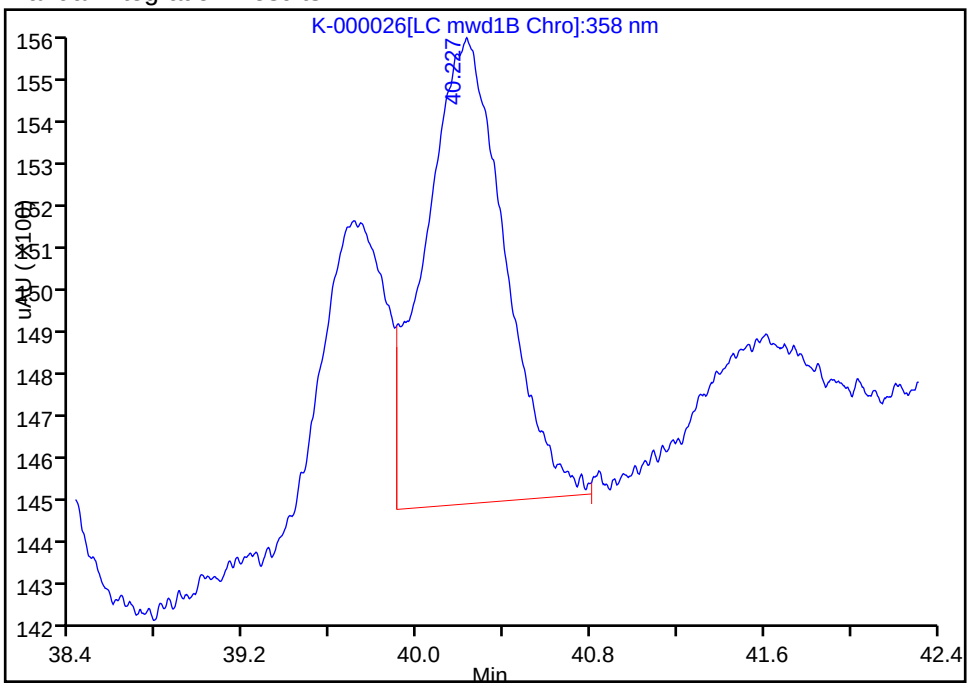
Processing Integration Results

RT: 40.23
Response: 1290
Amount: 25.134277



Manual Integration Results

RT: 40.23
Response: 993
Amount: 19.347548



Reviewer: noonanr, 11-Apr-2013 14:40:11
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/36 Calibration Date: 04/10/2013 01:04

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000036.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	91.19		96.8	100	-3.2	20.0
RDX	Ave	94.00	89.69		95.4	100	-4.6	20.0
1,3,5-Trinitrobenzene	Ave	215.4	202.0		93.8	100	-6.2	20.0
Picric acid	Ave	189.5	185.4		245	250	-2.2	20.0
1,3-Dinitrobenzene	Ave	228.7	215.5		94.2	100	-5.8	20.0
3,5-Dinitroaniline	Ave	150.4	135.7		90.2	100	-9.8	20.0
Nitrobenzene	Ave	98.42	93.73		95.2	100	-4.8	20.0
Tetryl	Ave	122.8	115.5		94.1	100	-5.9	20.0
Nitroglycerin	Ave	90.04	93.35		104	100	3.7	20.0
2,4,6-Trinitrotoluene	Ave	129.9	123.9		95.4	100	-4.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	95.21		91.2	100	-8.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	107.7		93.1	100	-6.9	20.0
2,6-Dinitrotoluene	Ave	79.69	74.58		93.6	100	-6.4	20.0
2,4-Dinitrotoluene	Ave	130.5	124.7		95.5	100	-4.5	20.0
2-Nitrotoluene	Ave	51.81	53.14		103	100	2.6	20.0
4-Nitrotoluene	Ave	66.41	67.29		101	100	1.3	20.0
3-Nitrotoluene	Ave	65.43	66.25		101	100	1.3	20.0
PETN	Ave	51.32	51.41		100	100	0.2	20.0
3,4-Dinitrotoluene	Ave	69.81	68.26		97.8	100	-2.2	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-13851/36 Calibration Date: 04/10/2013 01:04

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000036.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.47	23.22	23.72
1,3,5-Trinitrobenzene	25.37	25.12	25.62
Picric acid	25.82	25.57	26.07
1,3-Dinitrobenzene	28.07	27.82	28.32
3,5-Dinitroaniline	29.20	28.95	29.45
Nitrobenzene	29.61	29.36	29.86
Tetryl	29.93	29.68	30.18
Nitroglycerin	30.38	30.13	30.63
2,4,6-Trinitrotoluene	31.11	30.86	31.36
4-Amino-2,6-dinitrotoluene	32.11	31.86	32.36
2-Amino-4,6-dinitrotoluene	32.78	32.53	33.03
2,6-Dinitrotoluene	33.93	33.68	34.18
2,4-Dinitrotoluene	34.30	34.05	34.55
2-Nitrotoluene	37.07	36.82	37.32
4-Nitrotoluene	38.27	38.02	38.52
3-Nitrotoluene	39.70	39.45	39.95
PETN	40.20	39.95	40.45
3,4-Dinitrotoluene	32.46	32.21	32.71

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000036.D		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	10-Apr-2013 01:04:51	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0003758-036		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	4
Lims Batch ID:	13851	Lims Sample ID:	36
Sublist:	chrom-8330 Metab LC11*sub1		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 09:10:35	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: russellk Date: 10-Apr-2013 12:09:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.249	20.249	0.0	9119	96.8	
19 RDX						
1	23.469	23.469	0.0	8969	95.4	
27 1,3,5-Trinitrobenzene						
1	25.369	25.369	0.0	20196	93.8	
10 2,4,6-Trinitrophenol						
2	25.816	25.816	0.0	46359	244.6	
1	25.816	25.816	0.0	31424	254.1	
24 1,3-Dinitrobenzene						
1	28.073	28.073	0.0	21549	94.2	
9 3,5-Dinitroaniline						
1	29.203	29.203	0.0	13570	90.2	
5 Nitrobenzene						
1	29.609	29.609	0.0	9373	95.2	
20 Tetryl						
1	29.933	29.933	0.0	11549	94.1	
7 Nitroglycerin						
2	30.376	30.376	0.0	9335	103.7	
25 2,4,6-Trinitrotoluene						
1	31.106	31.106	0.0	12392	95.4	
26 4-Amino-2,6-dinitrotoluene						
1	32.113	32.113	0.0	9521	91.2	
$ 30 3,4-Dinitrotoluene						
1	32.463	32.463	0.0	6826	97.8	
2	32.463	32.463	0.0	13770	106.7	
6 2-Amino-4,6-dinitrotoluene						
1	32.783	32.783	0.0	10774	93.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.926	33.926	0.0	7458	93.6	
23 2,4-Dinitrotoluene						
1	34.303	34.303	0.0	12470	95.5	
16 o-Nitrotoluene						
1	37.073	37.073	0.0	5314	102.6	
15 p-Nitrotoluene						
1	38.266	38.266	0.0	6729	101.3	
8 m-Nitrotoluene						
1	39.696	39.696	0.0	6625	101.3	
21 PETN						
2	40.196	40.196	0.0	5141	100.2	

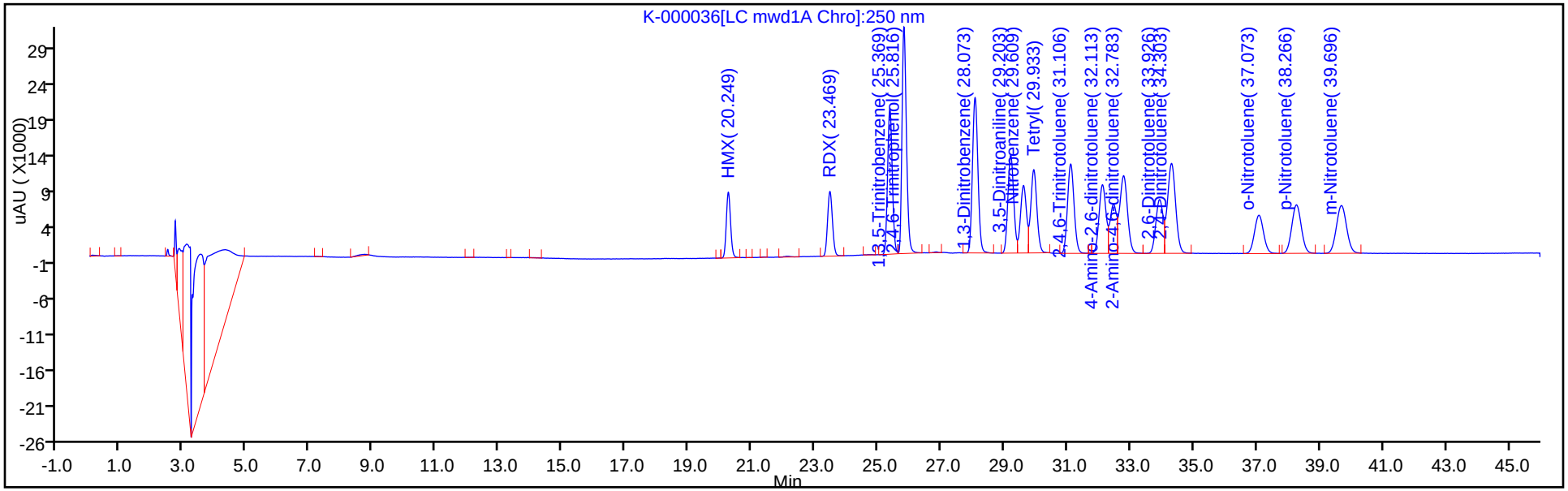
Report Date: 11-Apr-2013 09:10:35 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

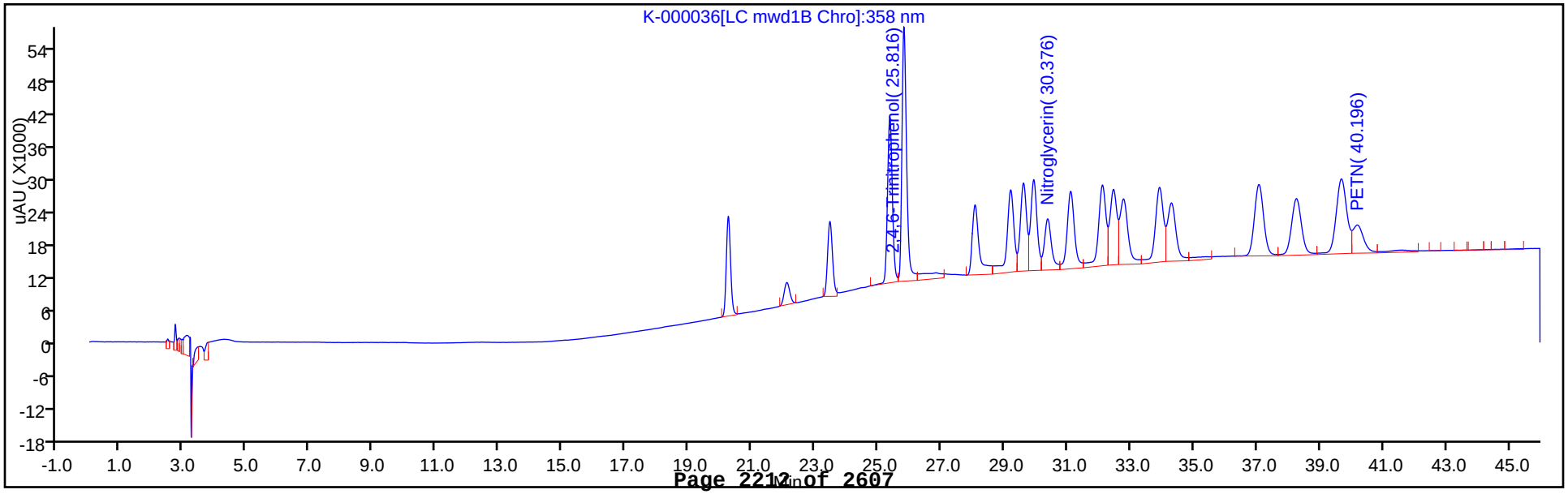
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Injection Date:	10-Apr-2013 01:04:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	36
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/37 Calibration Date: 04/10/2013 02:01

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000037.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	103.2		5.48	5.00	9.5	30.0
RDX	Ave	94.00	102.4		5.45	5.00	8.9	30.0
1,3,5-Trinitrobenzene	Ave	215.4	230.6		5.35	5.00	7.1	30.0
1,3-Dinitrobenzene	Ave	228.7	233.4		5.10	5.00	2.1	30.0
3,5-Dinitroaniline	Ave	150.4	147.6		4.91	5.00	-1.9	30.0
Nitrobenzene	Ave	98.42	93.60		4.76	5.00	-4.9	30.0
Tetryl	Ave	122.8	111.6		4.54	5.00	-9.1	30.0
Nitroglycerin	Ave	90.04	81.75		18.2	20.0	-9.2	30.0
2,4,6-Trinitrotoluene	Ave	129.9	130.6		5.03	5.00	0.5	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	106.0		5.08	5.00	1.6	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	126.4		5.46	5.00	9.2	30.0
2,6-Dinitrotoluene	Ave	79.69	84.80		5.32	5.00	6.4	30.0
2,4-Dinitrotoluene	Ave	130.5	135.2		5.18	5.00	3.6	30.0
2-Nitrotoluene	Ave	51.81	48.80		4.71	5.00	-5.8	30.0
4-Nitrotoluene	Ave	66.41	65.80		4.95	5.00	-0.9	30.0
3-Nitrotoluene	Ave	65.43	66.60		5.09	5.00	1.8	30.0
PETN	Ave	51.32	54.90		21.4	20.0	7.0	30.0
3,4-Dinitrotoluene	Ave	69.81	66.60		19.1	20.0	-4.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-13851/37 Calibration Date: 04/10/2013 02:01

Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 04/30/2012 21:31

Lab File ID: K-000037.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.25	20.00	20.50
RDX	23.47	23.22	23.72
1,3,5-Trinitrobenzene	25.37	25.12	25.62
1,3-Dinitrobenzene	28.07	27.82	28.32
3,5-Dinitroaniline	29.20	28.95	29.45
Nitrobenzene	29.61	29.36	29.86
Tetryl	29.93	29.68	30.18
Nitroglycerin	30.37	30.12	30.62
2,4,6-Trinitrotoluene	31.11	30.86	31.36
4-Amino-2,6-dinitrotoluene	32.09	31.84	32.34
2-Amino-4,6-dinitrotoluene	32.76	32.53	33.03
2,6-Dinitrotoluene	33.91	33.66	34.16
2,4-Dinitrotoluene	34.29	34.04	34.54
2-Nitrotoluene	37.09	36.84	37.34
4-Nitrotoluene	38.25	38.00	38.50
3-Nitrotoluene	39.66	39.41	39.91
PETN	40.18	39.93	40.43
3,4-Dinitrotoluene	32.46	32.21	32.71

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	10-Apr-2013 02:01:56	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0003758-037		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	6
Lims Batch ID:	13851	Lims Sample ID:	37
Sublist:	chrom-8330 Metab LC11*sub4		
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 14:37:43	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: noonanr Date: 11-Apr-2013 14:33:40

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.254	20.254	0.0	516	5.48	
19 RDX						
1	23.471	23.471	0.0	512	5.45	
27 1,3,5-Trinitrobenzene						
1	25.367	25.367	0.0	1153	5.35	
24 1,3-Dinitrobenzene						
1	28.071	28.071	0.0	1167	5.10	
9 3,5-Dinitroaniline						
1	29.201	29.201	0.0	738	4.91	
5 Nitrobenzene						
1	29.607	29.607	0.0	468	4.76	
20 Tetryl						
1	29.931	29.931	0.0	558	4.54	
7 Nitroglycerin						
2	30.374	30.374	0.0	1635	18.2	
25 2,4,6-Trinitrotoluene						
1	31.111	31.111	0.0	653	5.03	
26 4-Amino-2,6-dinitrotoluene						M
1	32.091	32.091	0.0	530	5.08	M
$ 30 3,4-Dinitrotoluene						M
1	32.464	32.464	0.0	1332	19.1	M
2	32.464	32.464	0.0	2742	21.2	M
6 2-Amino-4,6-dinitrotoluene						M
1	32.757	32.783	-0.026	632	5.46	M
12 2,6-Dinitrotoluene						
1	33.911	33.911	0.0	424	5.32	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.287	34.287	0.0	676	5.18	
16 o-Nitrotoluene						M
1	37.090	37.090	0.0	244	4.71	M
15 p-Nitrotoluene						
1	38.254	38.254	0.0	329	4.95	
8 m-Nitrotoluene						
1	39.664	39.664	0.0	333	5.09	
21 PETN						M
2	40.184	40.184	0.0	1098	21.4	M

QC Flag Legend

Review Flags
M - Manually Integrated

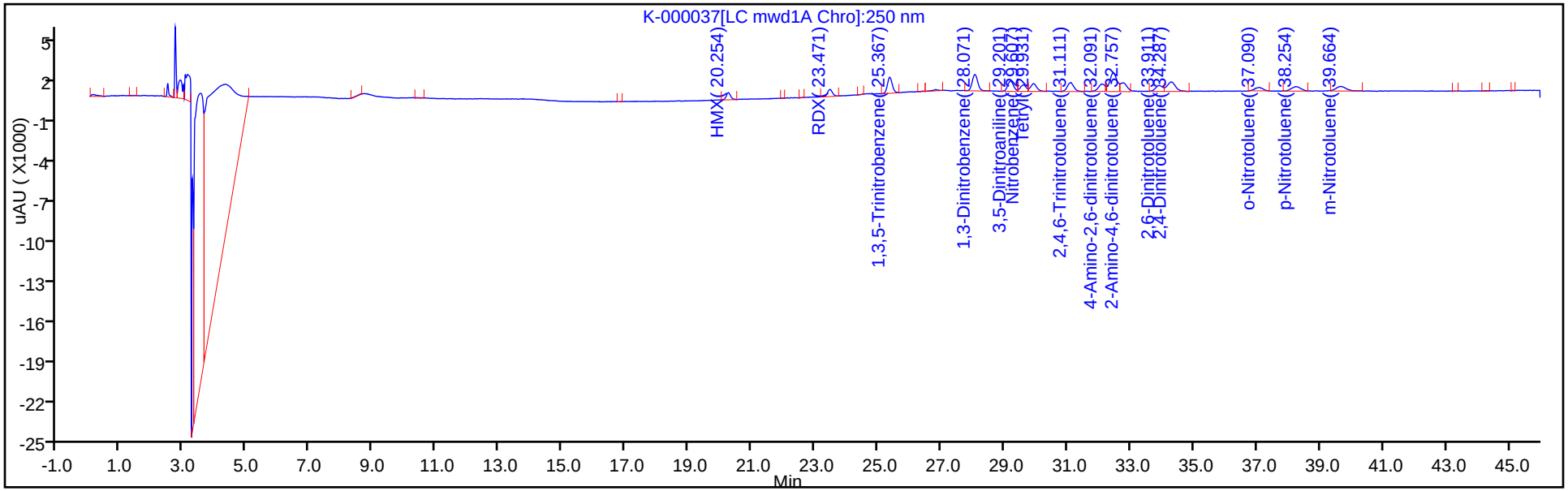
Report Date: 11-Apr-2013 14:37:44 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

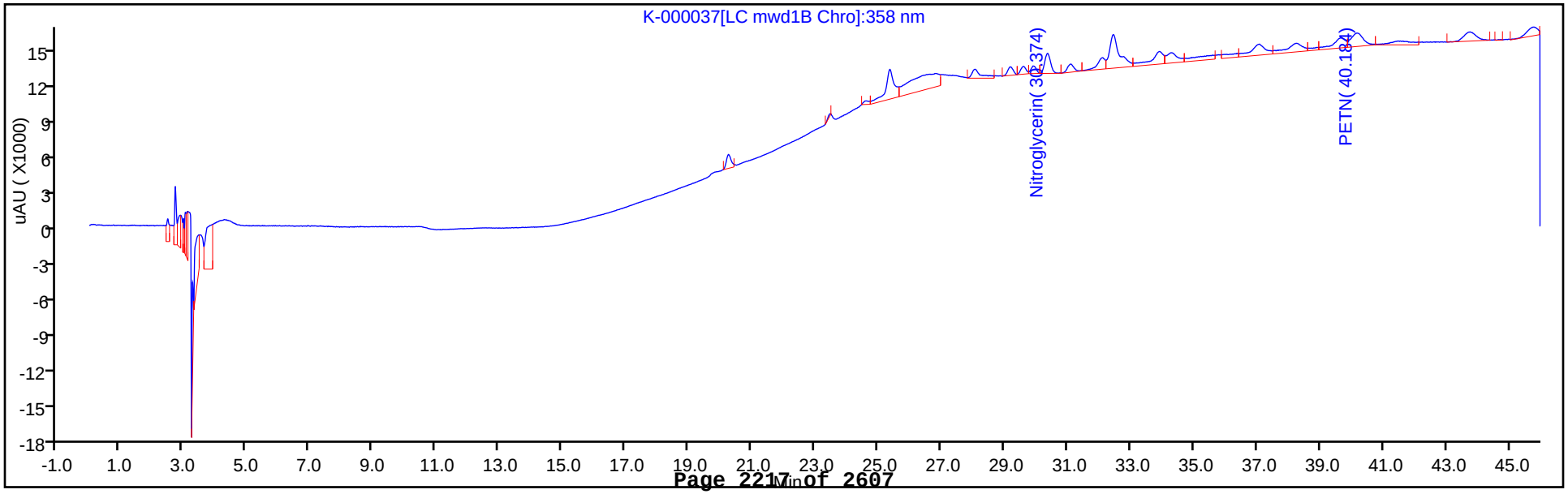
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D

Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

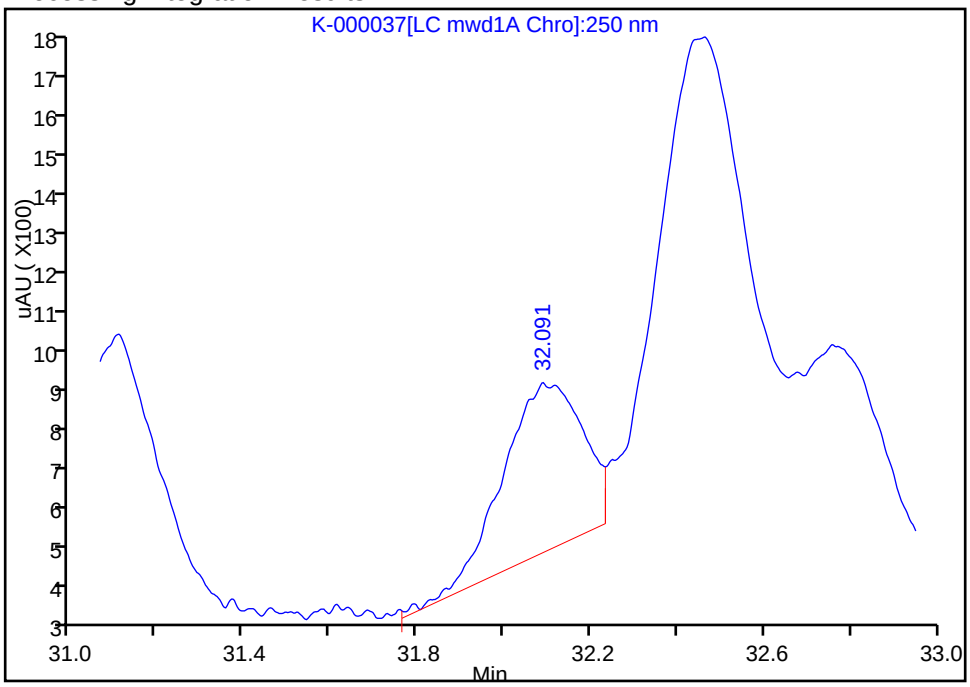
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 32.09, Det: LC mwd1A

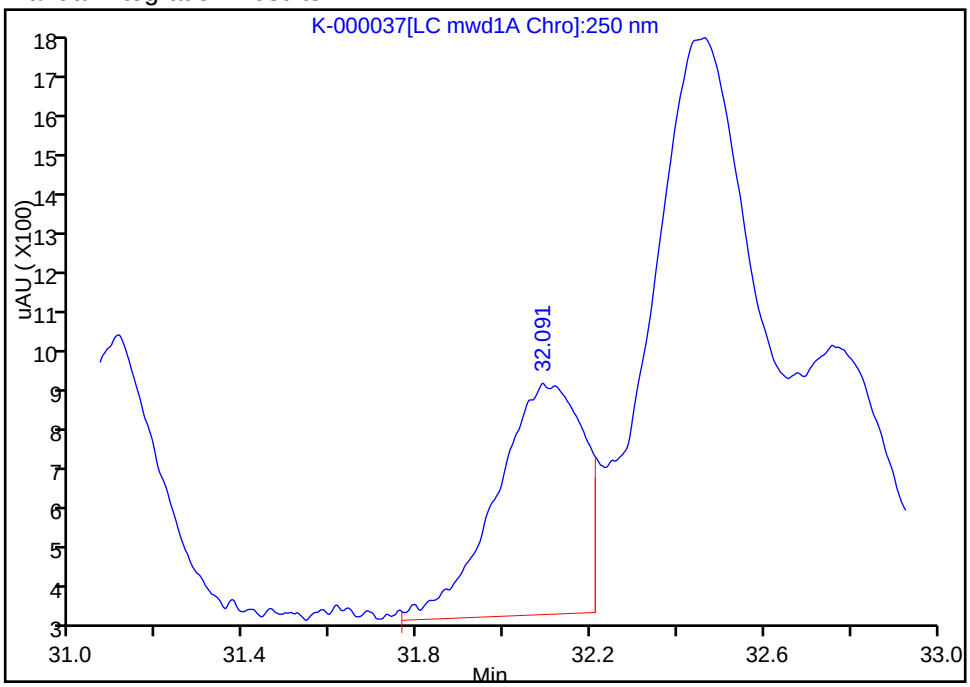
Processing Integration Results

RT: 32.09
Response: 390
Amount: 3.737650



Manual Integration Results

RT: 32.09
Response: 530
Amount: 5.079371



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

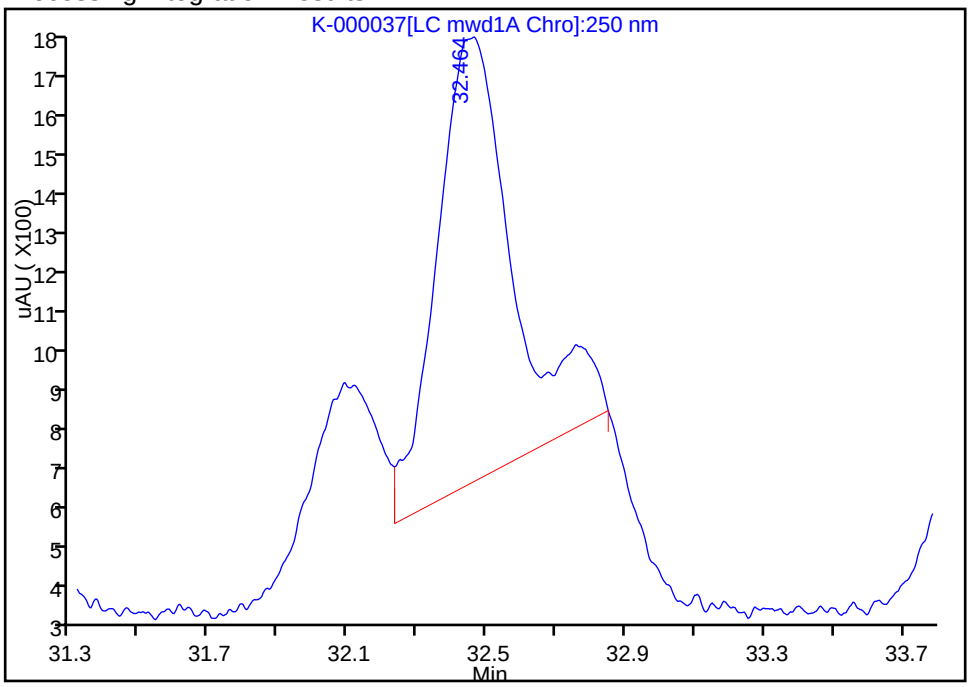
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 32.46, Det: LC mwd1A

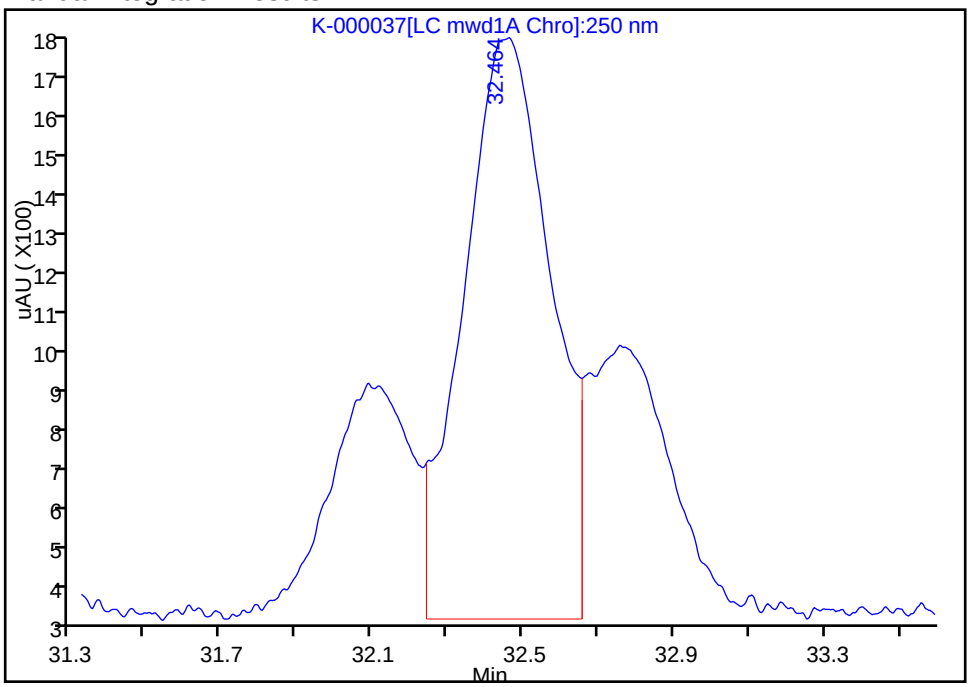
Processing Integration Results

RT: 32.46
Response: 1019
Amount: 14.597696



Manual Integration Results

RT: 32.46
Response: 1332
Amount: 19.081581



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 11-Apr-2013 14:37:44 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

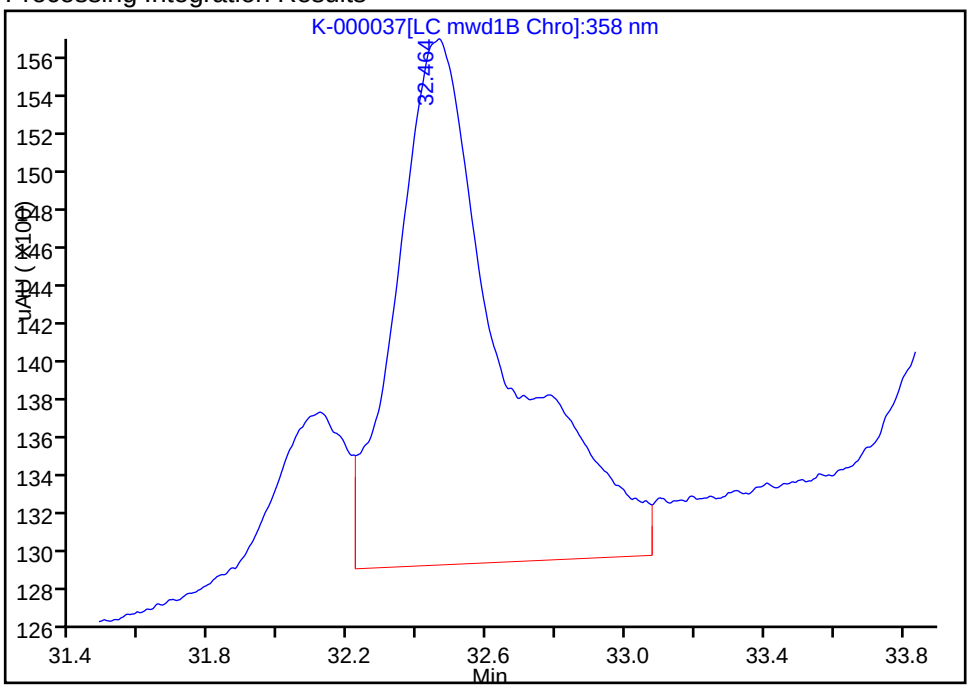
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 32.46, Det: LC mwd1B

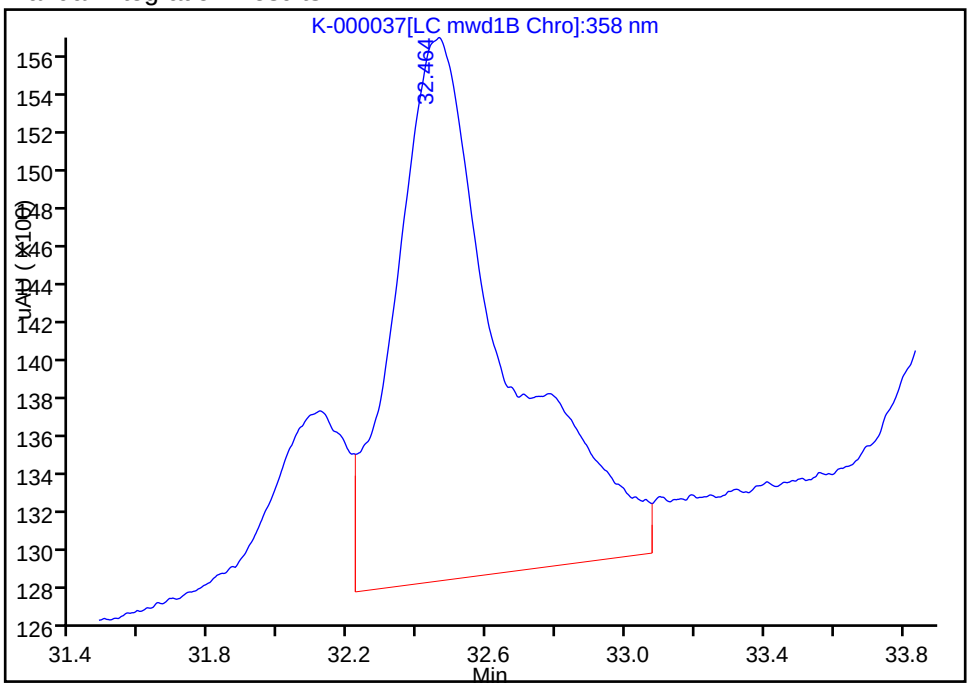
Processing Integration Results

RT: 32.46
Response: 2655
Amount: 20.564034



Manual Integration Results

RT: 32.46
Response: 2742
Amount: 21.237883



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Report Date: 11-Apr-2013 14:37:44 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

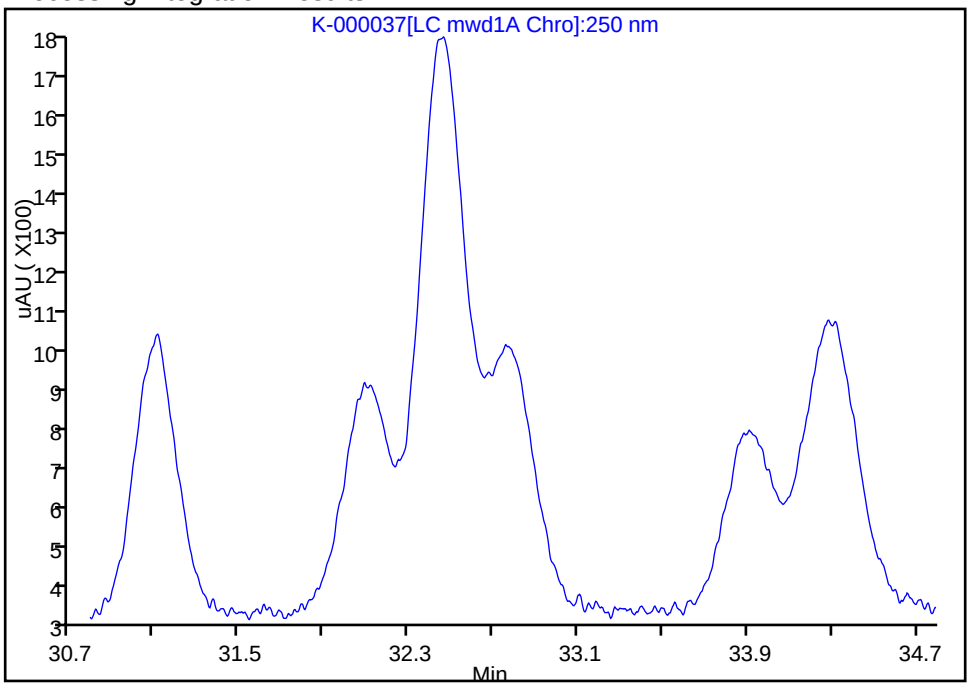
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 32.78, Det: LC mwd1A

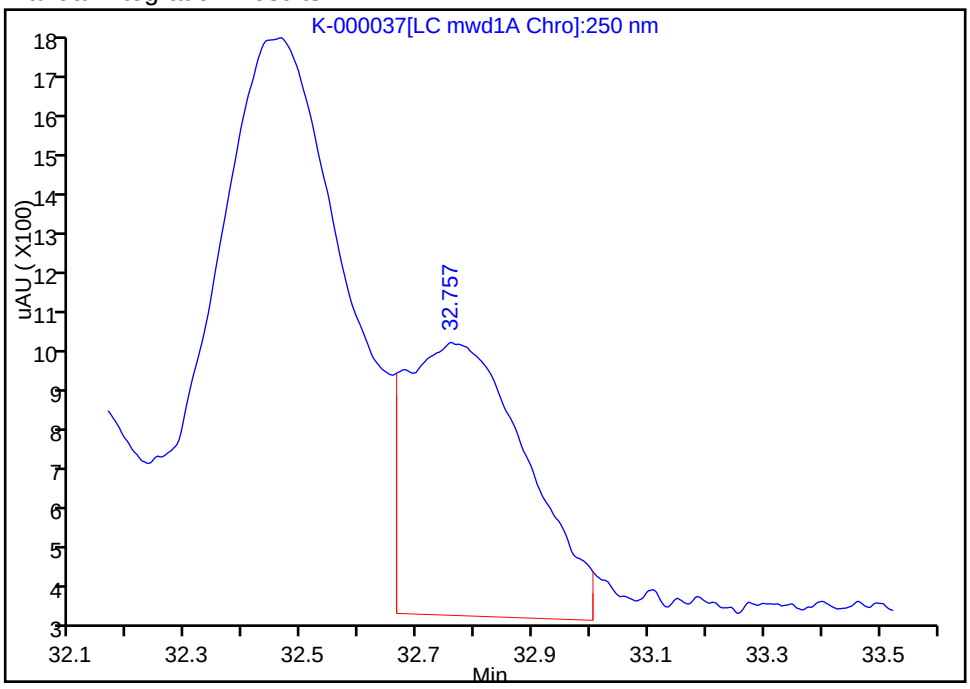
Not Detected
Expected RT: 32.78

Processing Integration Results



Manual Integration Results

RT: 32.76
Response: 632
Amount: 5.461878



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

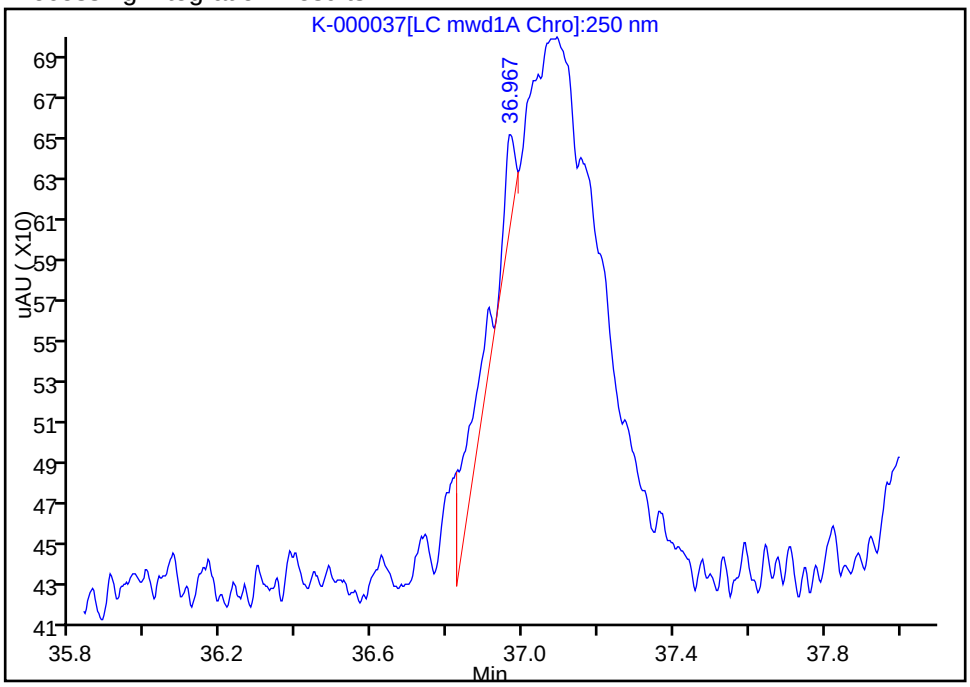
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 37.09, Det: LC mwd1A

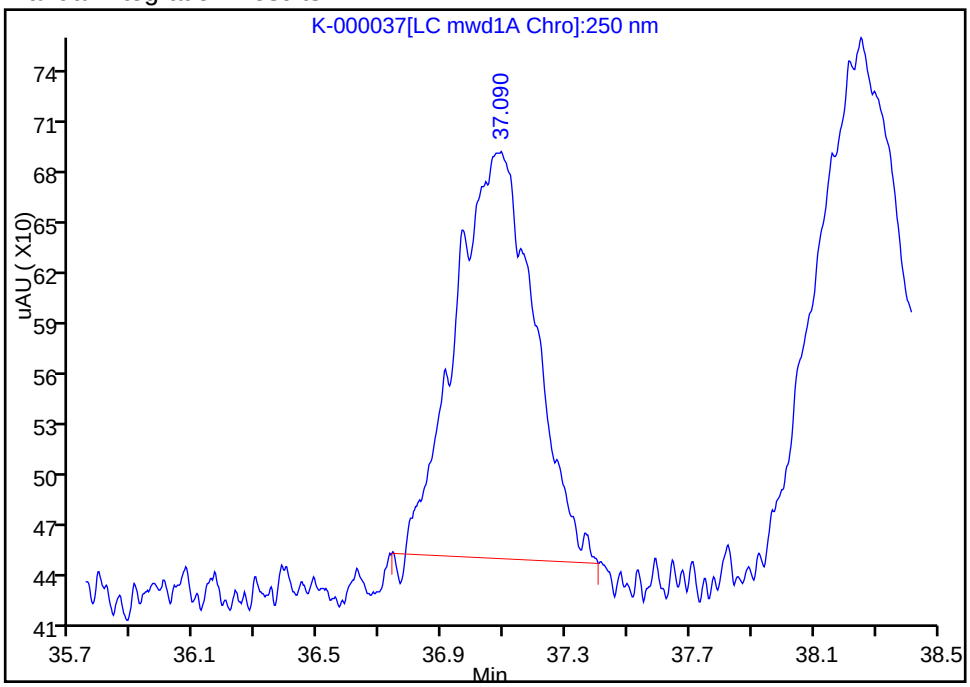
Processing Integration Results

RT: 36.97
Response: 43
Amount: 0.829982



Manual Integration Results

RT: 37.09
Response: 244
Amount: 4.709663



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 11-Apr-2013 14:37:44 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

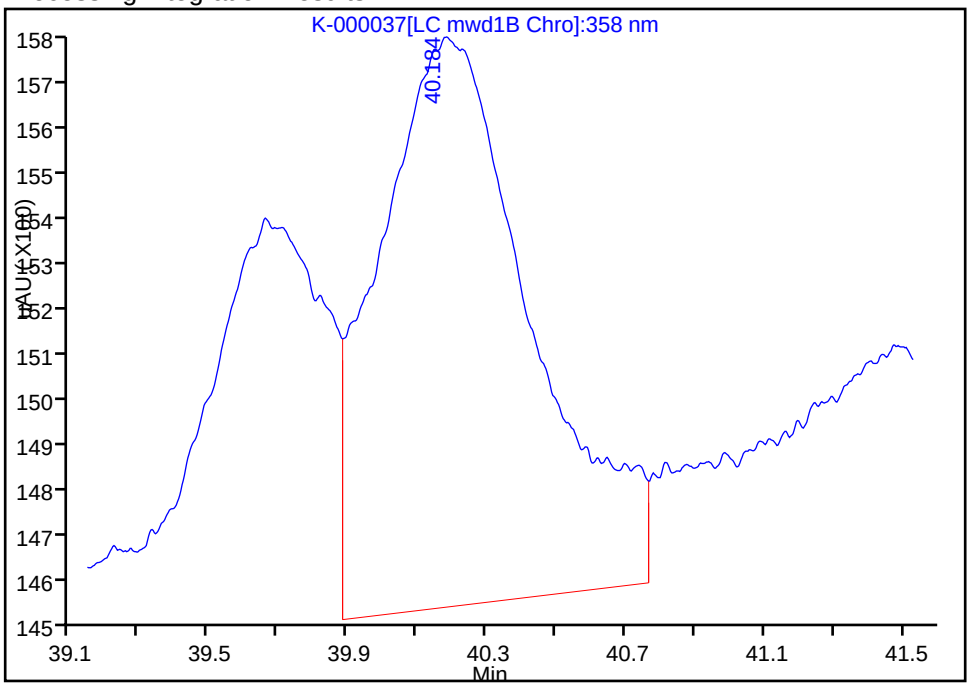
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000037.D		
Injection Date:	10-Apr-2013 02:01:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	37
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 40.18, Det: LC mwd1B

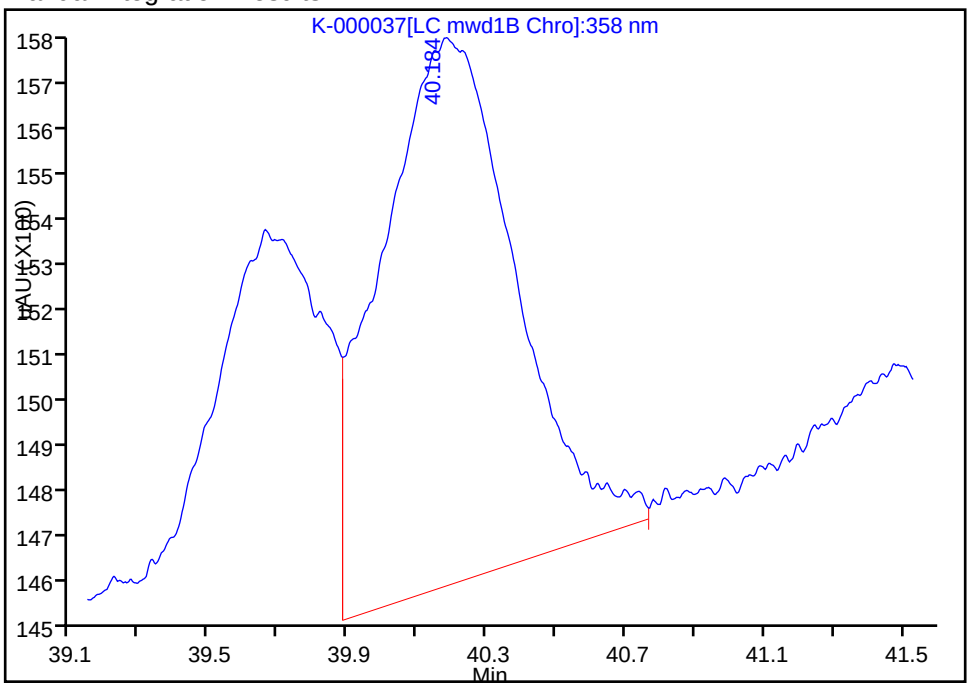
Processing Integration Results

RT: 40.18
Response: 1209
Amount: 23.556078



Manual Integration Results

RT: 40.18
Response: 1098
Amount: 21.393361



Reviewer: noonanr, 11-Apr-2013 14:37:43
Audit Action: Assigned New Baseline
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: M000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Picric acid	None		0.0870		0.500	1000	-100.0*	20.0
Nitrobenzene	Ave	48.34	48.04		497	500	-0.6	20.0
Ethylene glycol dinitrate	Ave	21.88	22.05		504	500	0.8	20.0
1,3-Dinitrobenzene	Ave	106.1	100.8		475	500	-4.9	20.0
1,3,5-Trinitrobenzene	Ave	82.14	79.18		482	500	-3.6	20.0
2-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
4-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
3-Nitrotoluene	Ave	42.38	39.90		471	500	-5.8	20.0
3,5-Dinitroaniline	Ave	82.33	80.95		492	500	-1.7	20.0
RDX	Ave	49.04	45.73		466	500	-6.7	20.0
2,4-Dinitrotoluene	Ave	88.34	87.12		493	500	-1.4	20.0
2,6-Dinitrotoluene	Ave	53.63	52.70		491	500	-1.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	76.75		516	500	3.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	70.74		503	500	0.6	20.0
2,4,6-Trinitrotoluene	Ave	87.92	94.20		536	500	7.1	20.0
HMX	Ave	65.31	66.47		509	500	1.8	20.0
Nitroglycerin	Ave	91.50	99.16		542	500	8.4	20.0
Tetryl	Ave	118.9	137.0		576	500	15.2	20.0
PETN	Ave	146.8	152.3		519	500	3.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: M000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.76	22.51	23.01
Ethylene glycol dinitrate	23.99	23.74	24.24
1,3-Dinitrobenzene	25.86	25.61	26.11
1,3,5-Trinitrobenzene	28.79	28.54	29.04
2-Nitrotoluene	29.95	29.70	30.20
4-Nitrotoluene	29.95	29.70	30.20
3-Nitrotoluene	30.56	30.31	30.81
3,5-Dinitroaniline	31.97	31.72	32.22
RDX	32.58	32.33	32.83
2,4-Dinitrotoluene	33.82	33.57	34.07
2,6-Dinitrotoluene	34.84	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.93	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.70	42.45	42.95
Nitroglycerin	45.21	44.96	45.46
Tetryl	46.79	46.54	47.04
PETN	53.11	52.86	53.36

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	14-Feb-2013 03:05:41	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	320-0002792-011		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	20
Lims Batch ID:	10422	Lims Sample ID:	11
Sublist:			
Method:	\\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m		
Last Update:	14-Feb-2013 07:52:21	Calib Date:	14-Feb-2013 00:54:32
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK023		

First Level Reviewer: noonanr Date: 14-Feb-2013 07:51:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.096	0.096	0.0	87	0	
1	0.096	0.096	0.0	92	0	
5 Nitrobenzene						
1	22.763	22.763	0.0	24018	496.9	
3 Ethylene glycol dinitrate						
2	23.993	23.993	0.0	11023	503.9	
24 1,3-Dinitrobenzene						
1	25.863	25.863	0.0	50405	475.3	
27 1,3,5-Trinitrobenzene						
1	28.786	28.786	0.0	39588	482.0	
16 o-Nitrotoluene						
1	29.953	29.953	0.0	30919	487.1	
15 p-Nitrotoluene						
1	29.953	29.953	0.0	30919	487.1	
8 m-Nitrotoluene						
1	30.560	30.560	0.0	19952	470.8	
9 3,5-Dinitroaniline						
1	31.970	31.970	0.0	40475	491.6	
19 RDX						
1	32.580	32.580	0.0	22864	466.3	
23 2,4-Dinitrotoluene						
1	33.820	33.820	0.0	43562	493.1	
12 2,6-Dinitrotoluene						
1	34.843	34.843	0.0	26351	491.4	
6 2-Amino-4,6-dinitrotoluene						
1	36.933	36.933	0.0	38373	515.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	37.503	37.503	0.0	35368	503.0	
25 2,4,6-Trinitrotoluene						
1	41.273	41.273	0.0	47098	535.7	
11 HMX						
1	42.696	42.696	0.0	33235	508.9	
7 Nitroglycerin						
2	45.206	45.206	0.0	49581	541.9	
20 Tetryl						
1	46.786	46.786	0.0	68518	576.1	
21 PETN						
2	53.113	53.113	0.0	76141	518.8	

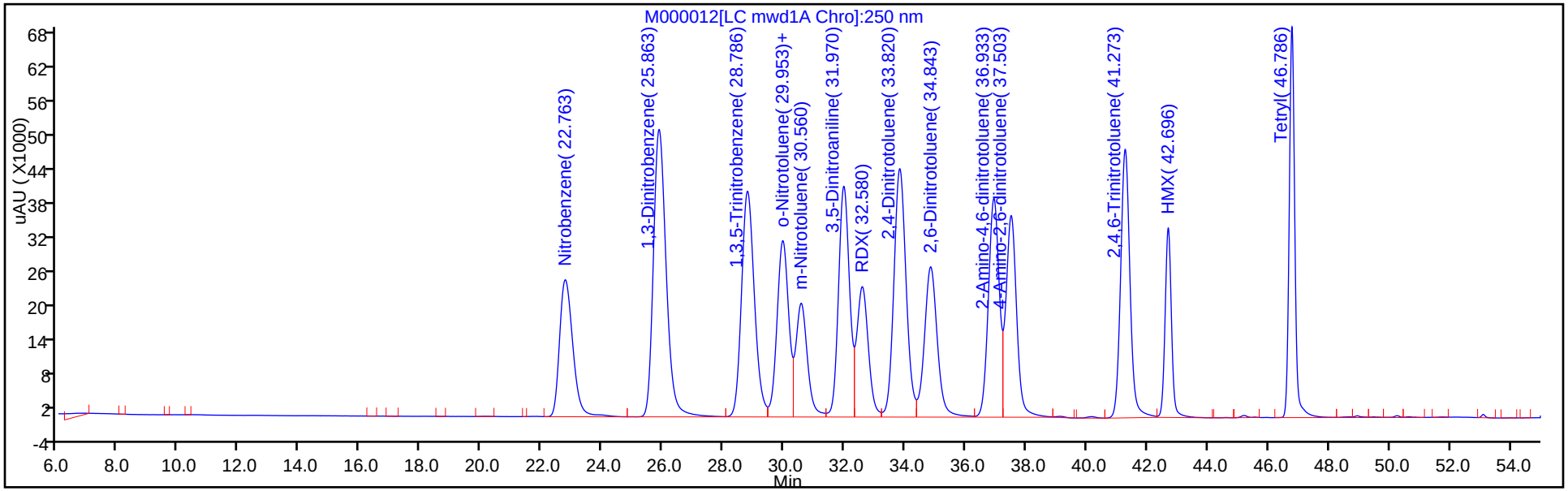
Report Date: 14-Feb-2013 07:52:22 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

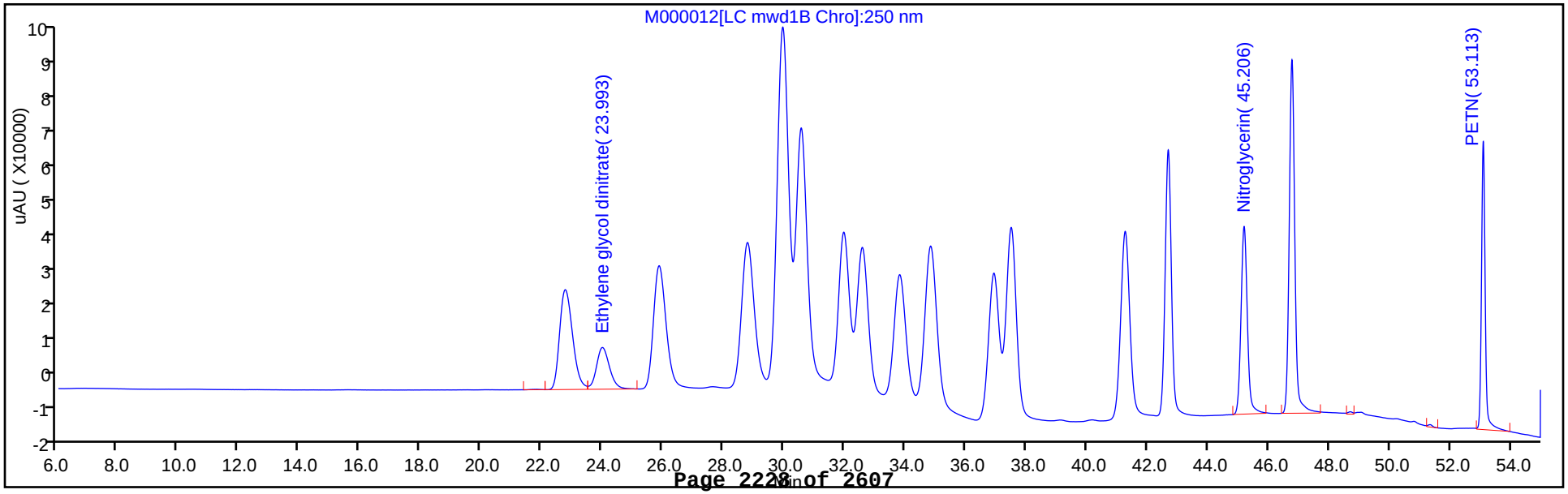
Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Injection Date:	14-Feb-2013 03:05:41	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: M000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	51.80		5.36	5.00	7.2	
1,3-Dinitrobenzene	Ave	106.1	115.8		5.46	5.00	9.2	
1,3,5-Trinitrobenzene	Ave	82.14	91.20		5.55	5.00	11.0	
2-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
4-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
3-Nitrotoluene	Ave	42.38	43.20		5.10	5.00	1.9	
3,5-Dinitroaniline	Ave	82.33	100.2		6.09	5.00	21.7	
RDX	Ave	49.04	60.20		6.14	5.00	22.8	
2,4-Dinitrotoluene	Ave	88.34	101.2		5.73	5.00	14.6	
2,6-Dinitrotoluene	Ave	53.63	60.80		5.67	5.00	13.4	
2-Amino-4,6-dinitrotoluene	Ave	74.40	78.40		5.27	5.00	5.4	
4-Amino-2,6-dinitrotoluene	Ave	70.31	78.20		5.56	5.00	11.2	
2,4,6-Trinitrotoluene	Ave	87.92	99.40		5.65	5.00	13.1	
HMX	Ave	65.31	71.80		5.50	5.00	9.9	
Nitroglycerin	Ave	91.50	88.10		19.3	20.0	-3.7	
Tetryl	Ave	118.9	133.4		5.61	5.00	12.2	
PETN	Ave	146.8	141.0		19.2	20.0	-3.9	
3,4-Dinitrotoluene	Ave	53.42	53.85		20.2	20.0	0.8	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: M000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.77	22.51	23.01
1,3-Dinitrobenzene	25.89	25.61	26.11
1,3,5-Trinitrobenzene	28.82	28.54	29.04
2-Nitrotoluene	29.98	29.70	30.20
4-Nitrotoluene	29.98	29.70	30.20
3-Nitrotoluene	30.54	30.31	30.81
3,5-Dinitroaniline	31.94	31.72	32.22
RDX	32.57	32.33	32.83
2,4-Dinitrotoluene	33.81	33.57	34.07
2,6-Dinitrotoluene	34.83	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.92	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.69	42.45	42.95
Nitroglycerin	45.18	44.96	45.46
Tetryl	46.77	46.54	47.04
PETN	53.11	52.86	53.36
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	39.07	38.75	39.25

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D
Lims ID: LODV 5-20ng/mL Client ID:
Inject. Date: 14-Feb-2013 04:11:14 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 320-0002792-012
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 10422 Lims Sample ID: 12

Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
Last Update: 14-Feb-2013 08:04:02 Calib Date: 14-Feb-2013 00:54:32
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK023

First Level Reviewer: noonanr Date: 14-Feb-2013 07:52:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.102	0.096	0.006	111	0	
1	0.102	0.096	0.006	99	0	
5 Nitrobenzene						
1	22.772	22.763	0.009	259	5.36	
24 1,3-Dinitrobenzene						
1	25.886	25.863	0.023	579	5.46	
27 1,3,5-Trinitrobenzene						
1	28.816	28.786	0.030	456	5.55	
16 o-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
15 p-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
8 m-Nitrotoluene						
1	30.539	30.560	-0.021	216	5.10	
9 3,5-Dinitroaniline						
1	31.939	31.970	-0.031	501	6.09	
19 RDX						
1	32.566	32.580	-0.014	301	6.14	
23 2,4-Dinitrotoluene						
1	33.812	33.820	-0.008	506	5.73	
12 2,6-Dinitrotoluene						
1	34.826	34.843	-0.017	304	5.67	
6 2-Amino-4,6-dinitrotoluene						
1	36.919	36.933	-0.014	392	5.27	
26 4-Amino-2,6-dinitrotoluene						
1	37.502	37.503	-0.001	391	5.56	
$ 30 3,4-Dinitrotoluene						
1	39.072	38.999	0.073	1077	20.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.266	41.273	-0.007	497	5.65	
11 HMX						
1	42.686	42.696	-0.010	359	5.50	
7 Nitroglycerin						
2	45.182	45.206	-0.024	1762	19.3	
20 Tetryl						
1	46.766	46.786	-0.020	667	5.61	
21 PETN						
2	53.109	53.113	-0.004	2820	19.2	

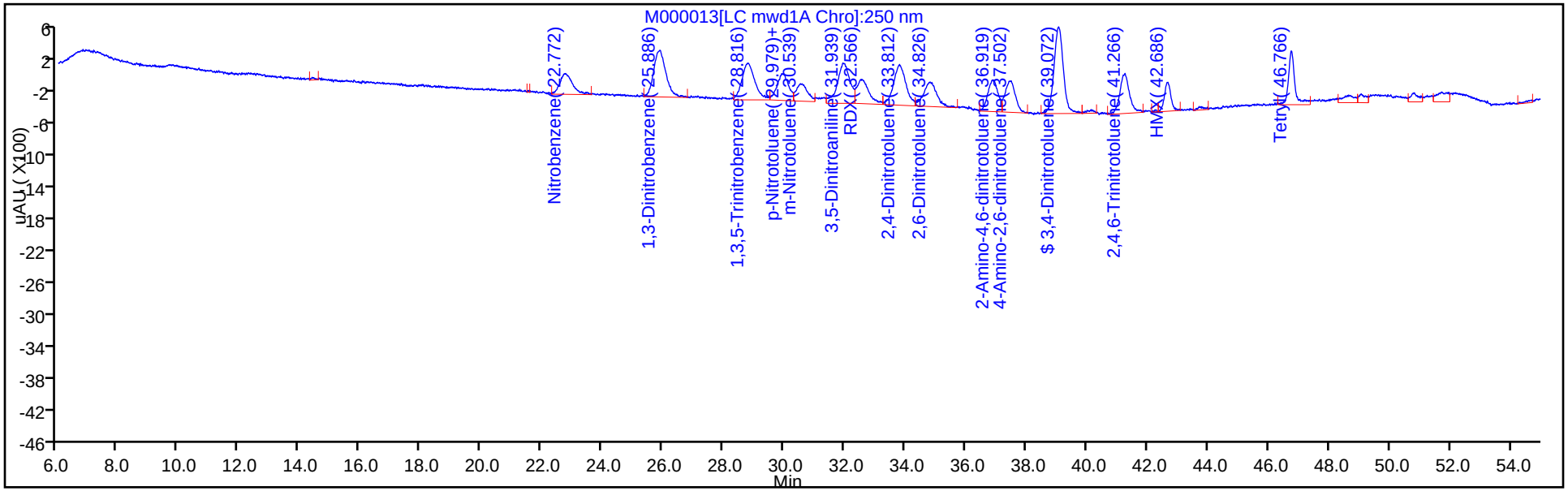
Report Date: 14-Feb-2013 08:04:10 Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

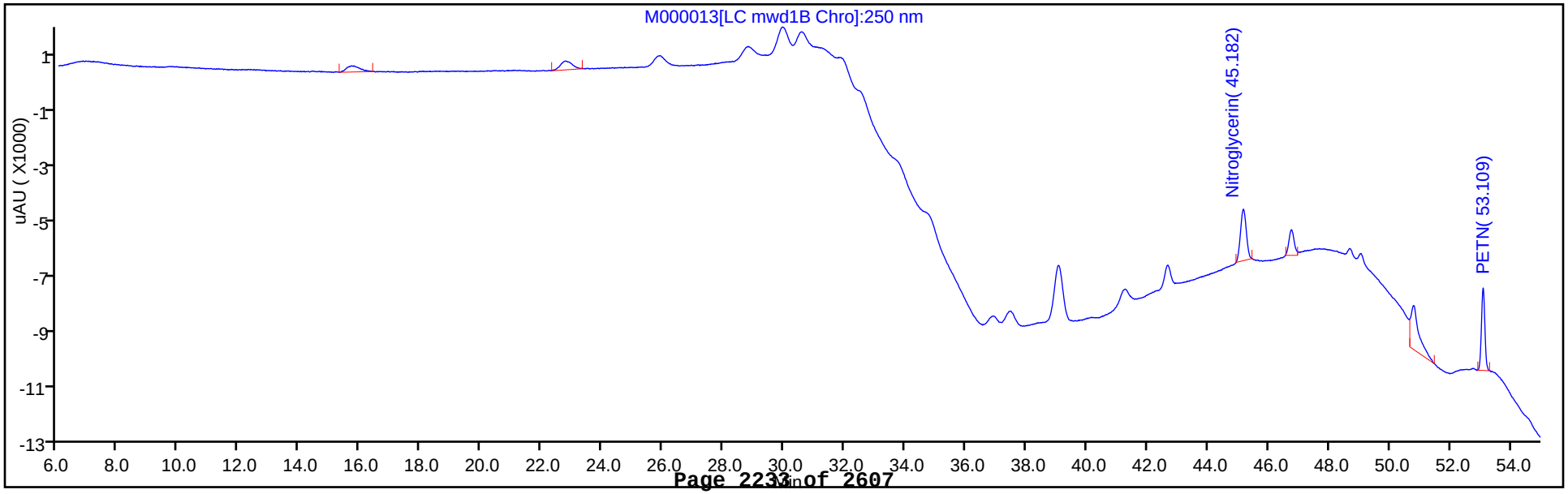
Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D

Injection Date:	14-Feb-2013 04:11:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	10422	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/41 Calibration Date: 04/18/2013 06:36

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000047.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.75		101	100	0.8	20.0
Ethylene glycol dinitrate	Ave	21.88	22.18		101	100	1.4	20.0
1,3-Dinitrobenzene	Ave	106.1	106.7		101	100	0.6	20.0
1,3,5-Trinitrobenzene	Ave	82.14	80.59		98.1	100	-1.9	20.0
2-Nitrotoluene	Ave	63.47	61.48		96.9	100	-3.1	20.0
4-Nitrotoluene	Ave	63.47	61.48		96.9	100	-3.1	20.0
3-Nitrotoluene	Ave	42.38	40.91		96.5	100	-3.5	20.0
3,5-Dinitroaniline	Ave	82.33	82.74		100	100	0.5	20.0
RDX	Ave	49.04	47.24		96.3	100	-3.7	20.0
2,4-Dinitrotoluene	Ave	88.34	90.78		103	100	2.8	20.0
2,6-Dinitrotoluene	Ave	53.63	54.01		101	100	0.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.79		97.8	100	-2.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	67.01		95.3	100	-4.7	20.0
2,4,6-Trinitrotoluene	Ave	87.92	87.33		99.3	100	-0.7	20.0
HMX	Ave	65.31	63.03		96.5	100	-3.5	20.0
Nitroglycerin	Ave	91.50	84.54		92.4	100	-7.6	20.0
Tetryl	Ave	118.9	128.0		108	100	7.6	20.0
PETN	Ave	146.8	141.3		96.3	100	-3.7	20.0
3,4-Dinitrotoluene	Ave	53.42	52.00		97.3	100	-2.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/41 Calibration Date: 04/18/2013 06:36

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.35	22.10	22.60
Ethylene glycol dinitrate	23.30	23.05	23.55
1,3-Dinitrobenzene	25.29	25.04	25.54
1,3,5-Trinitrobenzene	27.98	27.73	28.23
2-Nitrotoluene	29.54	29.29	29.79
4-Nitrotoluene	29.54	29.29	29.79
3-Nitrotoluene	30.14	29.89	30.39
3,5-Dinitroaniline	31.40	31.15	31.65
RDX	32.02	31.77	32.27
2,4-Dinitrotoluene	33.21	32.96	33.46
2,6-Dinitrotoluene	34.22	33.97	34.47
2-Amino-4,6-dinitrotoluene	36.34	36.09	36.59
4-Amino-2,6-dinitrotoluene	36.97	36.72	37.22
2,4,6-Trinitrotoluene	40.67	40.42	40.92
HMX	42.42	42.17	42.67
Nitroglycerin	44.93	44.68	45.18
Tetryl	46.63	46.38	46.88
PETN	53.19	52.94	53.44
3,4-Dinitrotoluene	38.68	38.43	38.93

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000047.D
Lims ID: CCV 05 Client ID:
Inject. Date: 18-Apr-2013 06:36:16 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0003897-041
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 4
Lims Batch ID: 14569 Lims Sample ID: 41
Sublist: chrom-LC12_Conf_8330*sub1

Method: \\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m
Last Update: 18-Apr-2013 09:55:56 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK017

First Level Reviewer: noonanr Date: 18-Apr-2013 09:55:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.194	0.194	0.0	191	0	
1	0.194	0.194	0.0	191	0	
5 Nitrobenzene						
1	22.348	22.348	0.0	4875	100.8	
3 Ethylene glycol dinitrate						
2	23.301	23.301	0.0	2218	101.4	
24 1,3-Dinitrobenzene						
1	25.288	25.288	0.0	10672	100.6	
27 1,3,5-Trinitrobenzene						
1	27.981	27.981	0.0	8059	98.1	
16 o-Nitrotoluene						
1	29.538	29.538	0.0	6148	96.9	
15 p-Nitrotoluene						
1	29.538	29.538	0.0	6148	96.9	
8 m-Nitrotoluene						
1	30.138	30.138	0.0	4091	96.5	
9 3,5-Dinitroaniline						
1	31.404	31.404	0.0	8274	100.5	
19 RDX						
1	32.024	32.024	0.0	4724	96.3	
23 2,4-Dinitrotoluene						
1	33.211	33.211	0.0	9078	102.8	
12 2,6-Dinitrotoluene						
1	34.224	34.224	0.0	5401	100.7	
6 2-Amino-4,6-dinitrotoluene						
1	36.338	36.338	0.0	7279	97.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	36.968	36.968	0.0	6701	95.3	
$ 30 3,4-Dinitrotoluene						
1	38.678	38.678	0.0	5200	97.3	
25 2,4,6-Trinitrotoluene						
1	40.671	40.671	0.0	8733	99.3	
11 HMX						
1	42.424	42.424	0.0	6303	96.5	
7 Nitroglycerin						
2	44.928	44.928	0.0	8454	92.4	
20 Tetryl						
1	46.631	46.631	0.0	12802	107.6	
21 PETN						
2	53.188	53.188	0.0	14126	96.3	

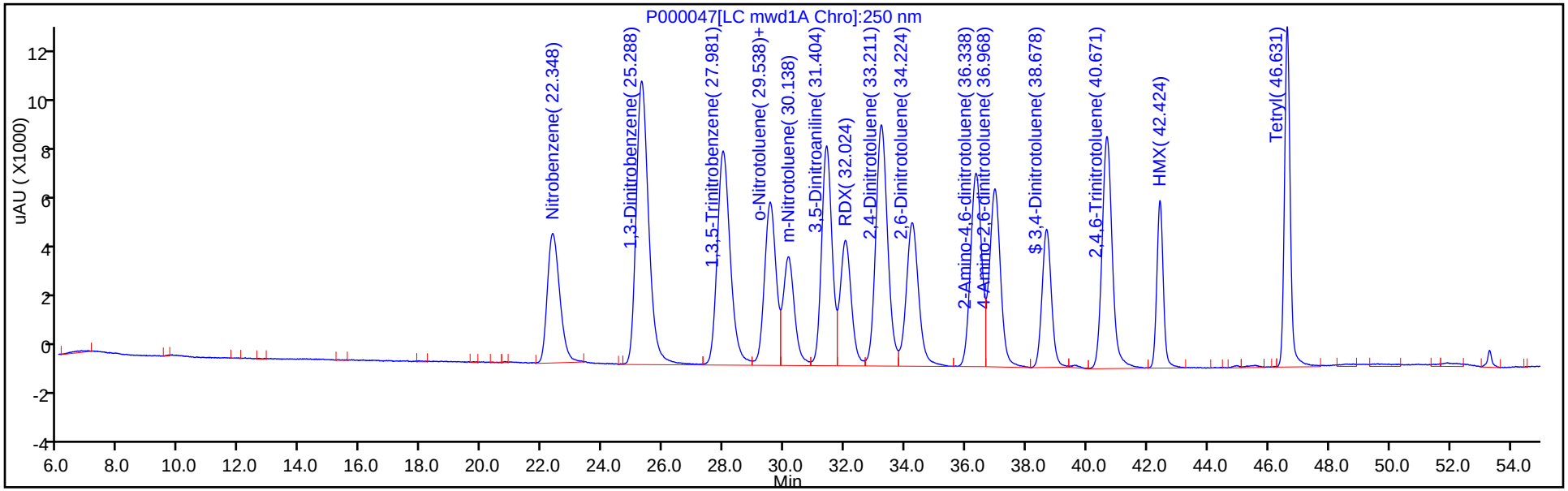
Report Date: 18-Apr-2013 09:55:56 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

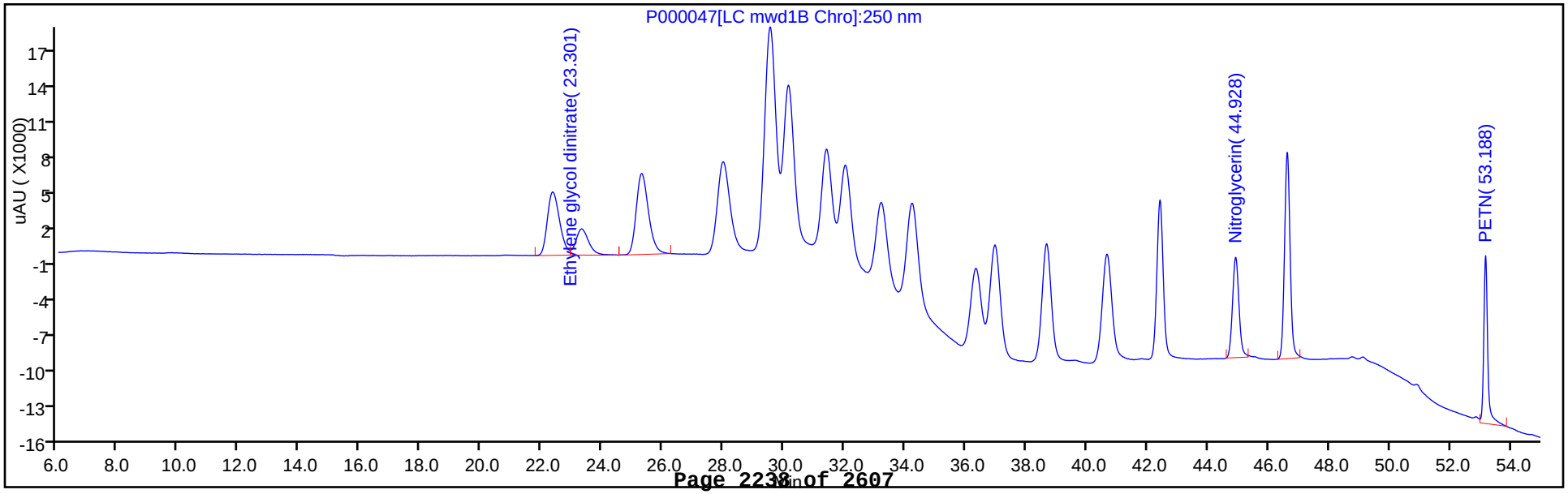
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000047.D

Injection Date:	18-Apr-2013 06:36:16	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	41
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14569/46 Calibration Date: 04/18/2013 07:42

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000048.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	60.20		6.23	5.00	24.5	30.0
1,3-Dinitrobenzene	Ave	106.1	135.8		6.40	5.00	28.0	30.0
1,3,5-Trinitrobenzene	Ave	82.14	103.2		6.28	5.00	25.6	30.0
2-Nitrotoluene	Ave	63.47	82.80		6.52	5.00	30.5*	30.0
4-Nitrotoluene	Ave	63.47	82.80		6.52	5.00	30.5*	30.0
3-Nitrotoluene	Ave	42.38	58.80		6.94	5.00	38.8*	30.0
3,5-Dinitroaniline	Ave	82.33	116.4		7.07	5.00	41.4*	30.0
RDX	Ave	49.04	73.60		7.50	5.00	50.1*	30.0
2,4-Dinitrotoluene	Ave	88.34	116.4		6.59	5.00	31.8*	30.0
2,6-Dinitrotoluene	Ave	53.63	73.60		6.86	5.00	37.2*	30.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	95.40		6.41	5.00	28.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	79.80		5.67	5.00	13.5	30.0
2,4,6-Trinitrotoluene	Ave	87.92	88.20		5.02	5.00	0.3	30.0
HMX	Ave	65.31	83.20		6.37	5.00	27.4	30.0
Nitroglycerin	Ave	91.50	88.10		19.3	20.0	-3.7	30.0
Tetryl	Ave	118.9	126.0		5.30	5.00	5.9	30.0
PETN	Ave	146.8	134.5		18.3	20.0	-8.4	30.0
3,4-Dinitrotoluene	Ave	53.42	54.70		20.5	20.0	2.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14569/46 Calibration Date: 04/18/2013 07:42

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.30	22.05	22.55
1,3-Dinitrobenzene	25.25	25.00	25.50
1,3,5-Trinitrobenzene	27.98	27.73	28.23
2-Nitrotoluene	29.53	29.28	29.78
4-Nitrotoluene	29.53	29.28	29.78
3-Nitrotoluene	30.08	29.83	30.33
3,5-Dinitroaniline	31.38	31.13	31.63
RDX	31.99	31.74	32.24
2,4-Dinitrotoluene	33.19	32.94	33.44
2,6-Dinitrotoluene	34.18	33.93	34.43
2-Amino-4,6-dinitrotoluene	36.29	36.04	36.54
4-Amino-2,6-dinitrotoluene	36.91	36.66	37.16
2,4,6-Trinitrotoluene	40.61	40.36	40.86
HMX	42.40	42.15	42.65
Nitroglycerin	44.90	44.65	45.15
Tetryl	46.61	46.36	46.86
PETN	53.16	52.91	53.41
3,4-Dinitrotoluene	38.65	38.40	38.90

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000048.D
Lims ID: CCVL Client ID:
Inject. Date: 18-Apr-2013 07:42:21 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003897-046
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 14569 Lims Sample ID: 46
Sublist: chrom-LC12_Conf_8330*sub4

Method: \\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m
Last Update: 19-Apr-2013 06:54:52 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK006

First Level Reviewer: noonanr Date: 19-Apr-2013 06:54:52

	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5	Nitrobenzene						
	1	22.298	22.298	0.0	301	6.23	
24	1,3-Dinitrobenzene						
	1	25.254	25.254	0.0	679	6.40	
27	1,3,5-Trinitrobenzene						
	1	27.981	27.981	0.0	516	6.28	
16	o-Nitrotoluene						
	1	29.534	29.534	0.0	414	6.52	
15	p-Nitrotoluene						
	1	29.534	29.534	0.0	414	6.52	
8	m-Nitrotoluene						
	1	30.078	30.078	0.0	294	6.94	
9	3,5-Dinitroaniline						
	1	31.378	31.378	0.0	582	7.07	
19	RDX						
	1	31.994	31.994	0.0	368	7.50	
23	2,4-Dinitrotoluene						
	1	33.191	33.191	0.0	582	6.59	
12	2,6-Dinitrotoluene						
	1	34.184	34.184	0.0	368	6.86	
6	2-Amino-4,6-dinitrotoluene						
	1	36.288	36.288	0.0	477	6.41	
26	4-Amino-2,6-dinitrotoluene						
	1	36.914	36.914	0.0	399	5.67	
$ 30	3,4-Dinitrotoluene						
	1	38.648	38.648	0.0	1094	20.5	
25	2,4,6-Trinitrotoluene						
	1	40.611	40.611	0.0	441	5.02	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	42.398	42.398	0.0	416	6.37	
7 Nitroglycerin						
2	44.901	44.901	0.0	1762	19.3	
20 Tetryl						
1	46.608	46.608	0.0	630	5.30	
21 PETN						
2	53.164	53.164	0.0	2690	18.3	

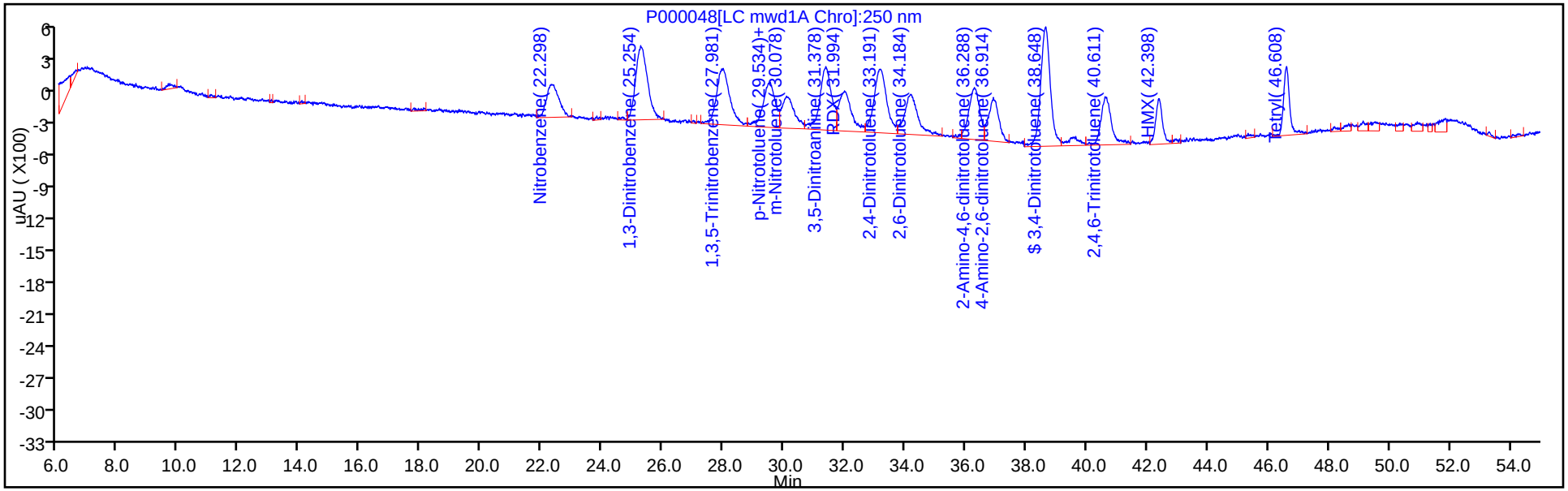
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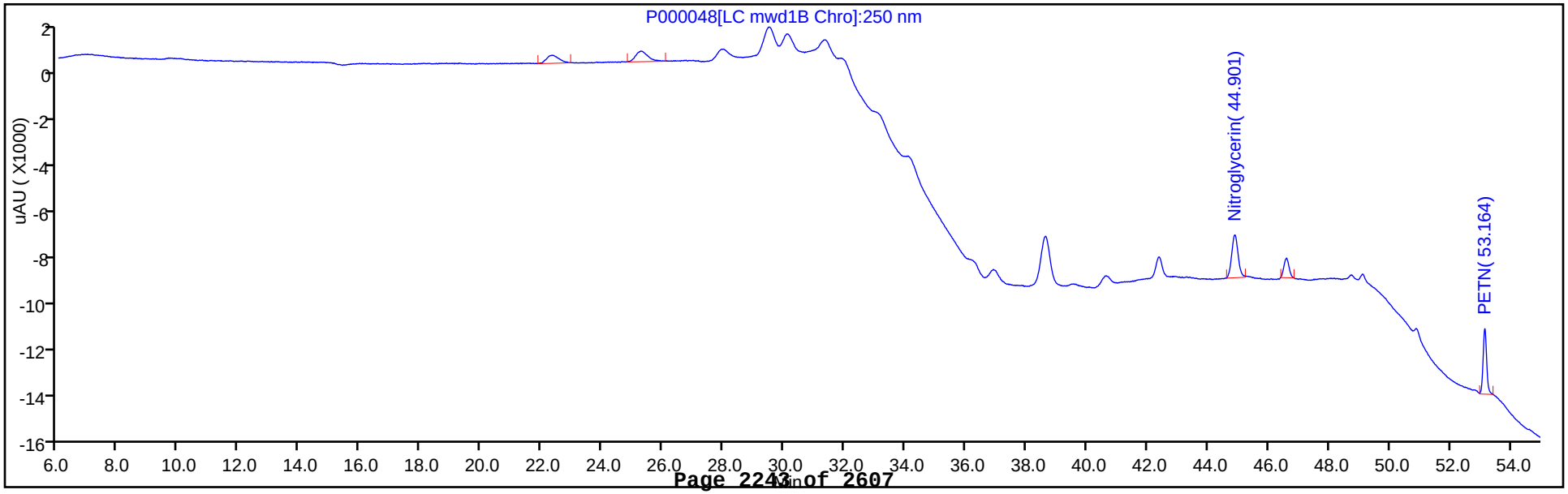
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000048.D

Injection Date:	18-Apr-2013 07:42:21	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	46
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/43 Calibration Date: 04/18/2013 17:37

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000057.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	49.32		102	100	2.0	20.0
Ethylene glycol dinitrate	Ave	21.88	22.18		101	100	1.4	20.0
1,3-Dinitrobenzene	Ave	106.1	106.3		100	100	0.3	20.0
1,3,5-Trinitrobenzene	Ave	82.14	80.15		97.6	100	-2.4	20.0
2-Nitrotoluene	Ave	63.47	61.77		97.3	100	-2.7	20.0
4-Nitrotoluene	Ave	63.47	61.77		97.3	100	-2.7	20.0
3-Nitrotoluene	Ave	42.38	41.31		97.5	100	-2.5	20.0
3,5-Dinitroaniline	Ave	82.33	82.43		100	100	0.1	20.0
RDX	Ave	49.04	47.01		95.9	100	-4.1	20.0
2,4-Dinitrotoluene	Ave	88.34	90.43		102	100	2.4	20.0
2,6-Dinitrotoluene	Ave	53.63	53.82		100	100	0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.34		97.2	100	-2.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	66.47		94.5	100	-5.5	20.0
2,4,6-Trinitrotoluene	Ave	87.92	86.97		98.9	100	-1.1	20.0
HMX	Ave	65.31	62.72		96.0	100	-4.0	20.0
Nitroglycerin	Ave	91.50	84.12		91.9	100	-8.1	20.0
Tetryl	Ave	118.9	129.0		108	100	8.4	20.0
PETN	Ave	146.8	141.9		96.7	100	-3.3	20.0
3,4-Dinitrotoluene	Ave	53.42	52.06		97.5	100	-2.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/43 Calibration Date: 04/18/2013 17:37

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000057.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.34	22.09	22.59
Ethylene glycol dinitrate	23.28	23.03	23.53
1,3-Dinitrobenzene	25.27	25.02	25.52
1,3,5-Trinitrobenzene	27.96	27.71	28.21
2-Nitrotoluene	29.54	29.29	29.79
4-Nitrotoluene	29.54	29.29	29.79
3-Nitrotoluene	30.14	29.89	30.39
3,5-Dinitroaniline	31.38	31.13	31.63
RDX	32.02	31.77	32.27
2,4-Dinitrotoluene	33.20	32.95	33.45
2,6-Dinitrotoluene	34.23	33.98	34.48
2-Amino-4,6-dinitrotoluene	36.33	36.08	36.58
4-Amino-2,6-dinitrotoluene	36.96	36.71	37.21
2,4,6-Trinitrotoluene	40.66	40.41	40.91
HMX	42.42	42.17	42.67
Nitroglycerin	44.92	44.67	45.17
Tetryl	46.62	46.37	46.87
PETN	53.20	52.95	53.45
3,4-Dinitrotoluene	38.68	38.43	38.93

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000057.D
Lims ID: CCV 05 Client ID:
Inject. Date: 18-Apr-2013 17:37:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0003897-043
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 5
Lims Batch ID: 14569 Lims Sample ID: 43
Sublist: chrom-LC12_Conf_8330*sub1

Method: \\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m
Last Update: 19-Apr-2013 06:44:39 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK006

First Level Reviewer: noonanr Date: 19-Apr-2013 06:44:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.104	0.104	0.0	104	0	
1	0.261	0.261	0.0	174	0	
5 Nitrobenzene						
1	22.341	22.341	0.0	4932	102.0	
3 Ethylene glycol dinitrate						
2	23.284	23.284	0.0	2218	101.4	
24 1,3-Dinitrobenzene						
1	25.274	25.274	0.0	10634	100.3	
27 1,3,5-Trinitrobenzene						
1	27.964	27.964	0.0	8015	97.6	
16 o-Nitrotoluene						
1	29.541	29.541	0.0	6177	97.3	
15 p-Nitrotoluene						
1	29.541	29.541	0.0	6177	97.3	
8 m-Nitrotoluene						
1	30.141	30.141	0.0	4131	97.5	
9 3,5-Dinitroaniline						
1	31.384	31.384	0.0	8243	100.1	
19 RDX						
1	32.018	32.018	0.0	4701	95.9	
23 2,4-Dinitrotoluene						
1	33.204	33.204	0.0	9043	102.4	
12 2,6-Dinitrotoluene						
1	34.228	34.228	0.0	5382	100.4	
6 2-Amino-4,6-dinitrotoluene						M
1	36.334	36.334	0.0	7234	97.2	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	36.961	36.961	0.0	6647	94.5	
$ 30 3,4-Dinitrotoluene						
1	38.681	38.681	0.0	5206	97.5	
25 2,4,6-Trinitrotoluene						
1	40.664	40.664	0.0	8697	98.9	
11 HMX						
1	42.418	42.418	0.0	6272	96.0	
7 Nitroglycerin						
2	44.918	44.918	0.0	8412	91.9	
20 Tetryl						
1	46.624	46.624	0.0	12898	108.4	
21 PETN						
2	53.198	53.198	0.0	14185	96.7	

QC Flag Legend

Review Flags
M - Manually Integrated

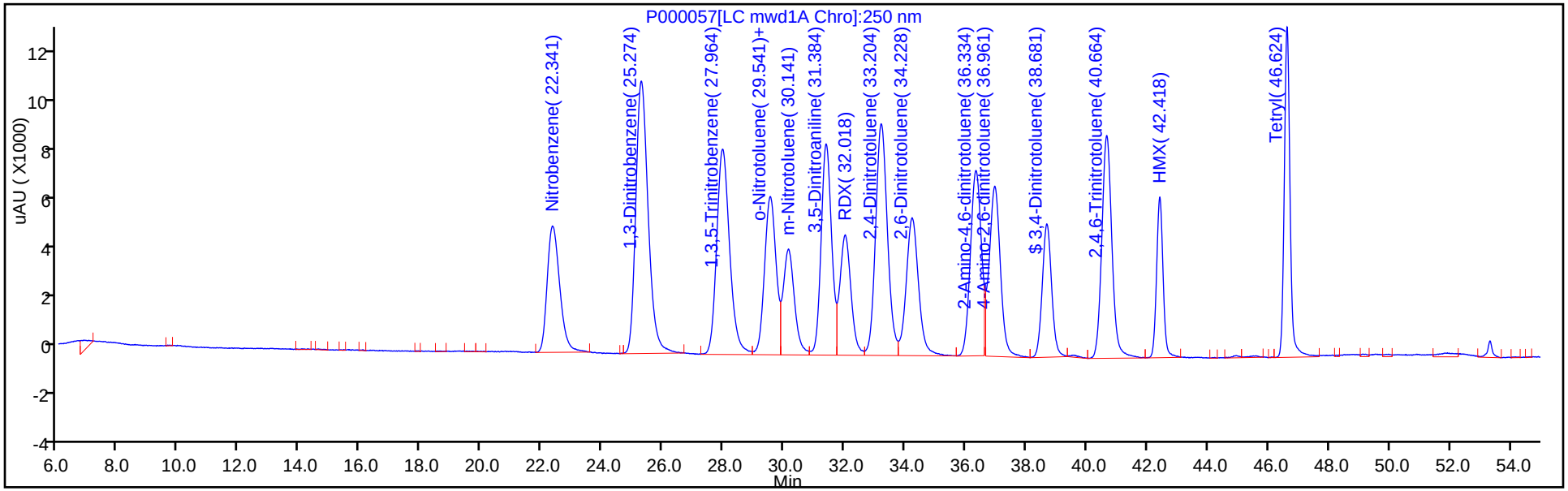
Report Date: 19-Apr-2013 06:44:40 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

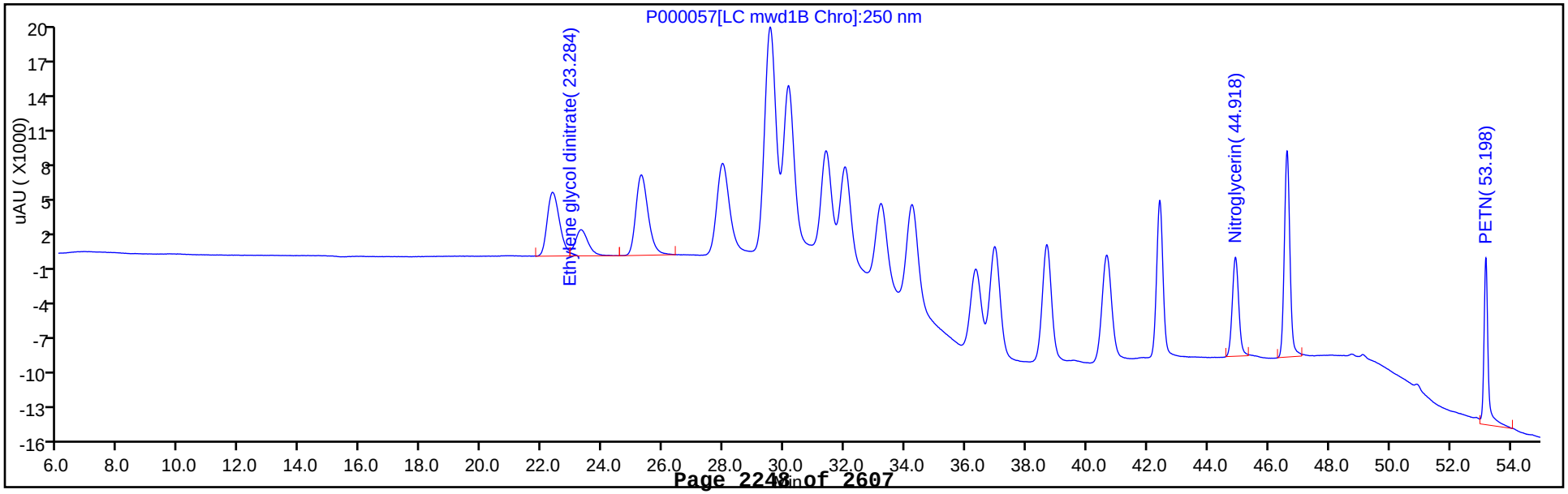
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000057.D

Injection Date:	18-Apr-2013 17:37:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	43
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

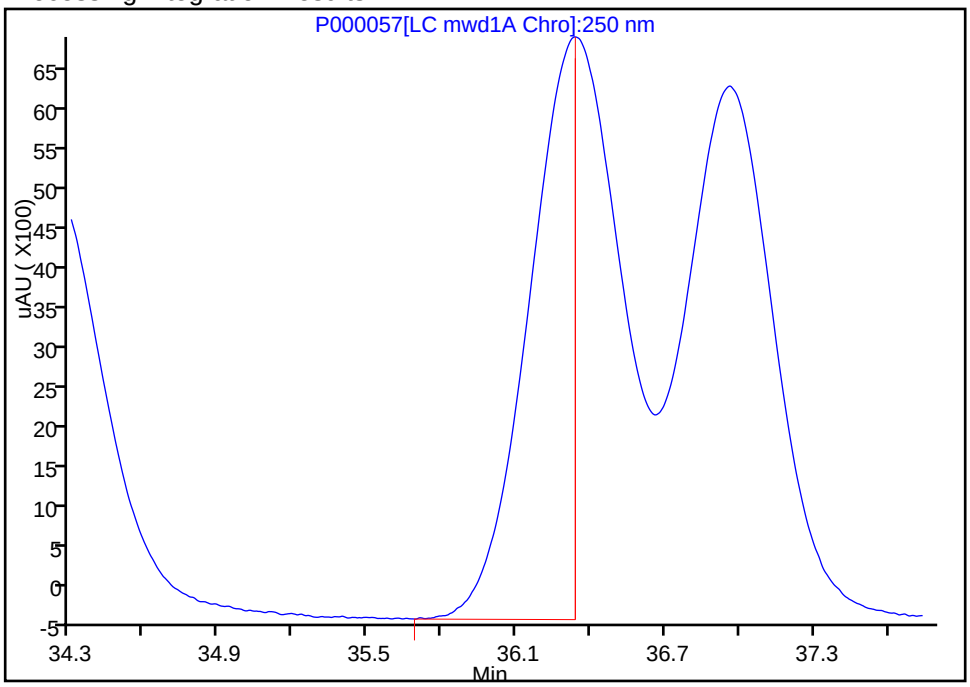
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000057.D		
Injection Date:	18-Apr-2013 17:37:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	43
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 36.33, Det: LC mwd1A

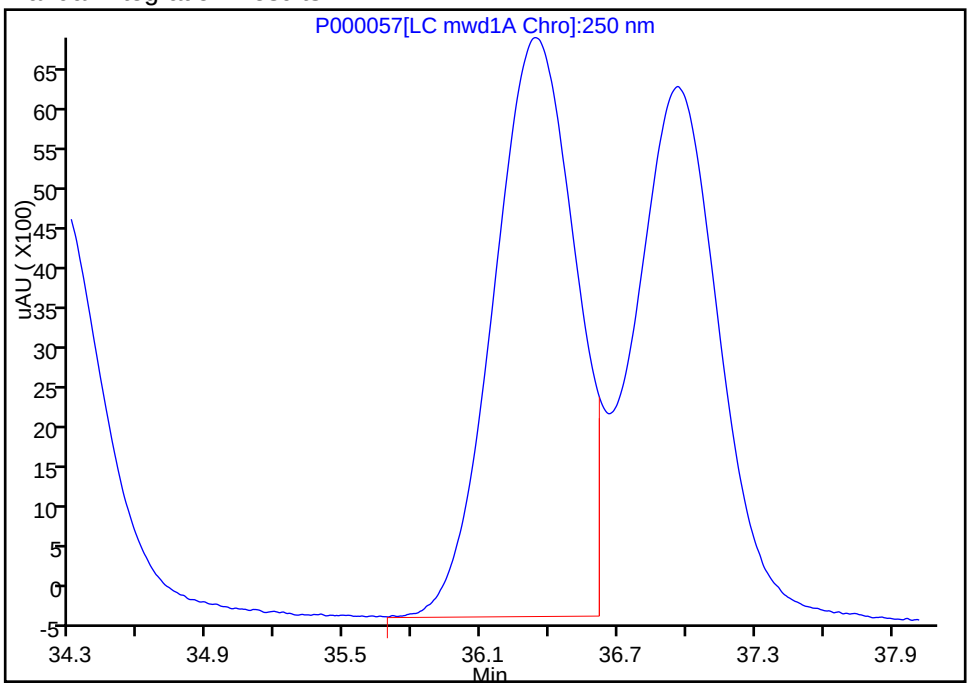
Processing Integration Results

RT: 36.34
Response: 7246
Amount: 97.390182



Manual Integration Results

RT: 36.33
Response: 7234
Amount: 97.228896



Reviewer: noonanr, 19-Apr-2013 06:44:39
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14569/63 Calibration Date: 04/19/2013 04:38

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000067.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	62.20		6.43	5.00	28.7	30.0
1,3-Dinitrobenzene	Ave	106.1	133.8		6.31	5.00	26.2	30.0
1,3,5-Trinitrobenzene	Ave	82.14	101.4		6.17	5.00	23.4	30.0
2-Nitrotoluene	Ave	63.47	78.20		6.16	5.00	23.2	30.0
4-Nitrotoluene	Ave	63.47	78.20		6.16	5.00	23.2	30.0
3-Nitrotoluene	Ave	42.38	54.00		6.37	5.00	27.4	30.0
3,5-Dinitroaniline	Ave	82.33	115.6		7.02	5.00	40.4*	30.0
RDX	Ave	49.04	74.00		7.55	5.00	50.9*	30.0
2,4-Dinitrotoluene	Ave	88.34	116.6		6.60	5.00	32.0*	30.0
2,6-Dinitrotoluene	Ave	53.63	73.40		6.84	5.00	36.9*	30.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	95.80		6.44	5.00	28.8	30.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	83.20		5.92	5.00	18.3	30.0
2,4,6-Trinitrotoluene	Ave	87.92	88.00		5.00	5.00	0.0	30.0
HMX	Ave	65.31	83.40		6.39	5.00	27.7	30.0
Nitroglycerin	Ave	91.50	85.90		18.8	20.0	-6.1	30.0
Tetryl	Ave	118.9	126.6		5.32	5.00	6.4	30.0
PETN	Ave	146.8	133.4		18.2	20.0	-9.1	30.0
3,4-Dinitrotoluene	Ave	53.42	53.95		20.2	20.0	1.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCVL 320-14569/63 Calibration Date: 04/19/2013 04:38

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000067.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.35	22.10	22.60
1,3-Dinitrobenzene	25.31	25.06	25.56
1,3,5-Trinitrobenzene	28.00	27.75	28.25
2-Nitrotoluene	29.57	29.32	29.82
4-Nitrotoluene	29.57	29.32	29.82
3-Nitrotoluene	30.16	29.91	30.41
3,5-Dinitroaniline	31.43	31.18	31.68
RDX	32.04	31.79	32.29
2,4-Dinitrotoluene	33.24	32.99	33.49
2,6-Dinitrotoluene	34.24	33.99	34.49
2-Amino-4,6-dinitrotoluene	36.39	36.14	36.64
4-Amino-2,6-dinitrotoluene	37.01	36.76	37.26
2,4,6-Trinitrotoluene	40.71	40.46	40.96
HMX	42.44	42.19	42.69
Nitroglycerin	44.95	44.70	45.20
Tetryl	46.65	46.40	46.90
PETN	53.20	52.95	53.45
3,4-Dinitrotoluene	38.71	38.46	38.96

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D
Lims ID: CCVL Client ID:
Inject. Date: 19-Apr-2013 04:38:39 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003897-063
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 14569 Lims Sample ID: 63
Sublist: chrom-LC12_Conf_8330*sub4

Method: \\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m
Last Update: 19-Apr-2013 06:54:17 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK006

First Level Reviewer: noonanr Date: 19-Apr-2013 06:54:17

	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
	5 Nitrobenzene						
	1	22.347	22.347	0.0	311	6.43	
	24 1,3-Dinitrobenzene						
	1	25.310	25.310	0.0	669	6.31	
	27 1,3,5-Trinitrobenzene						M
	1	27.997	27.997	0.0	507	6.17	M
	16 o-Nitrotoluene						M
	1	29.567	29.567	0.0	391	6.16	M
	15 p-Nitrotoluene						M
	1	29.567	29.567	0.0	391	6.16	M
	8 m-Nitrotoluene						M
	1	30.160	30.160	0.0	270	6.37	M
	9 3,5-Dinitroaniline						M
	1	31.430	31.430	0.0	578	7.02	M
	19 RDX						M
	1	32.040	32.040	0.0	370	7.55	M
	23 2,4-Dinitrotoluene						M
	1	33.244	33.244	0.0	583	6.60	M
	12 2,6-Dinitrotoluene						M
	1	34.244	34.244	0.0	367	6.84	M
	6 2-Amino-4,6-dinitrotoluene						
	1	36.387	36.387	0.0	479	6.44	
	26 4-Amino-2,6-dinitrotoluene						
	1	37.014	37.014	0.0	416	5.92	
$	30 3,4-Dinitrotoluene						
	1	38.714	38.714	0.0	1079	20.2	
	25 2,4,6-Trinitrotoluene						
	1	40.714	40.714	0.0	440	5.00	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	42.440	42.440	0.0	417	6.39	
7 Nitroglycerin						
2	44.947	44.947	0.0	1718	18.8	
20 Tetryl						
1	46.650	46.650	0.0	633	5.32	
21 PETN						
2	53.200	53.200	0.0	2667	18.2	

QC Flag Legend

Review Flags
M - Manually Integrated

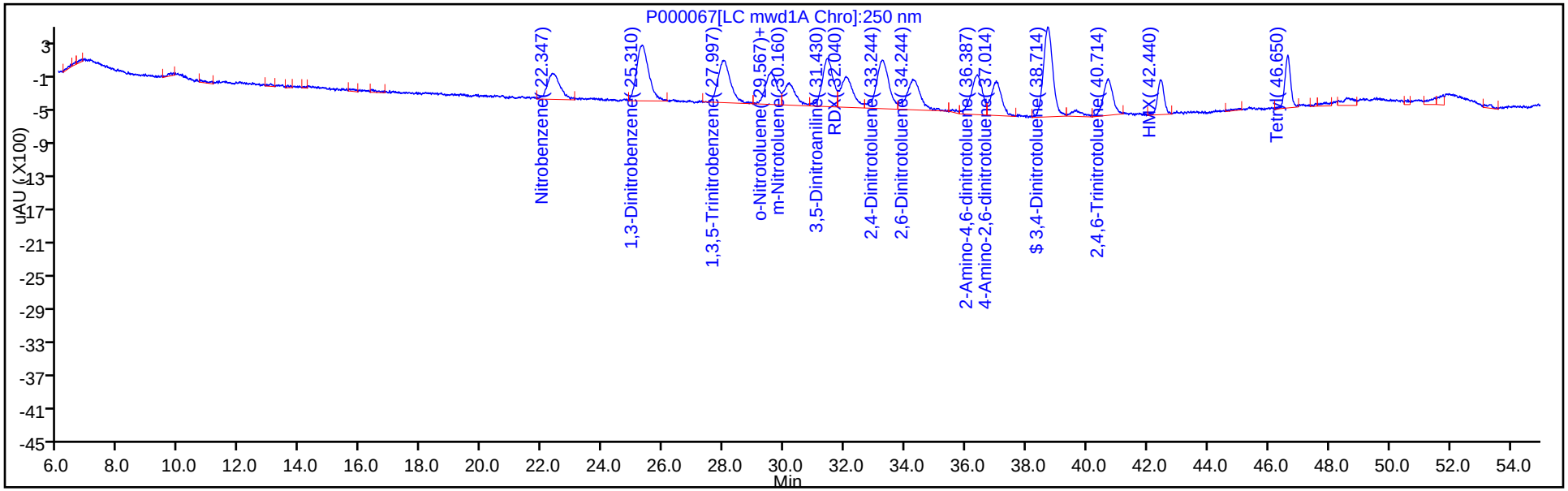
Report Date: 19-Apr-2013 06:54:18 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

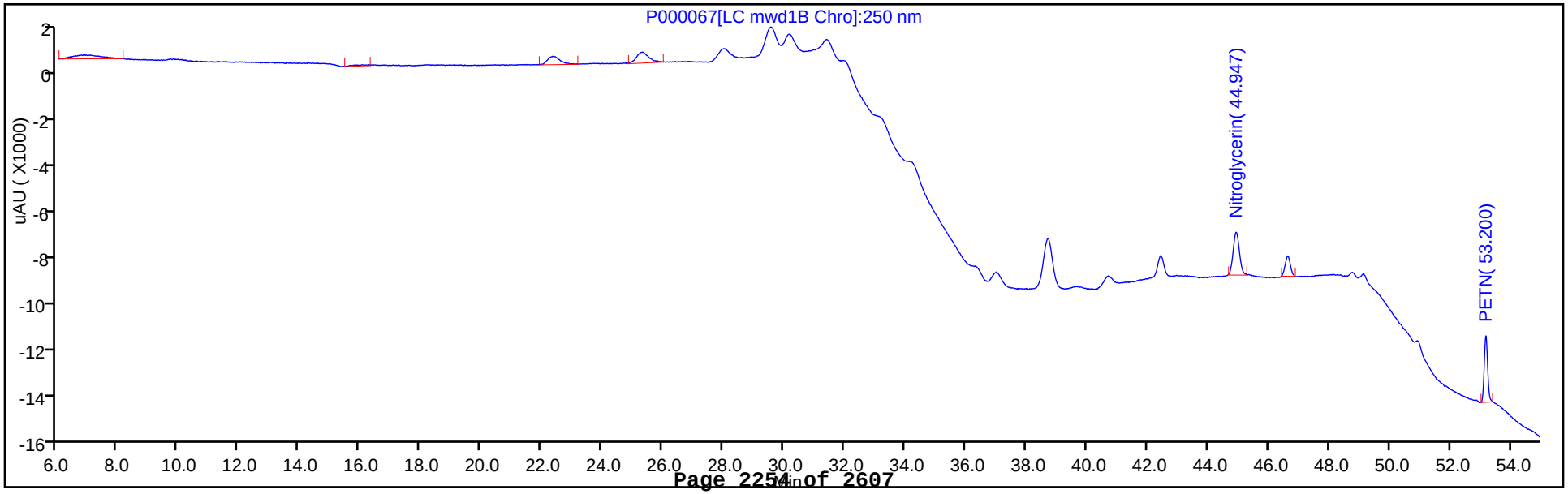
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Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

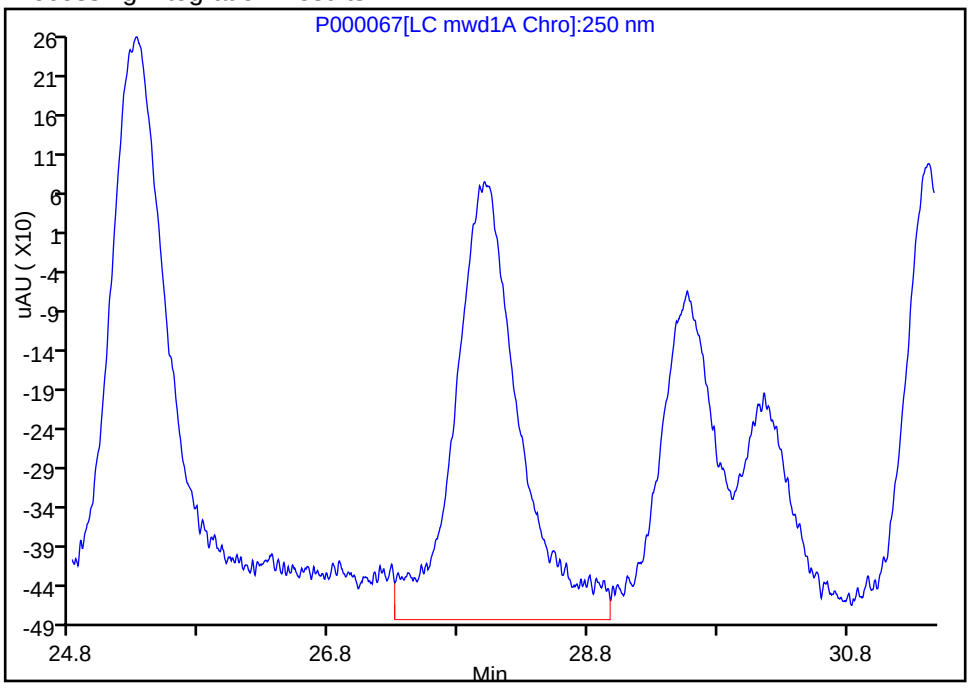
TestAmerica Sacramento

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Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 28.00, Det: LC mwd1A

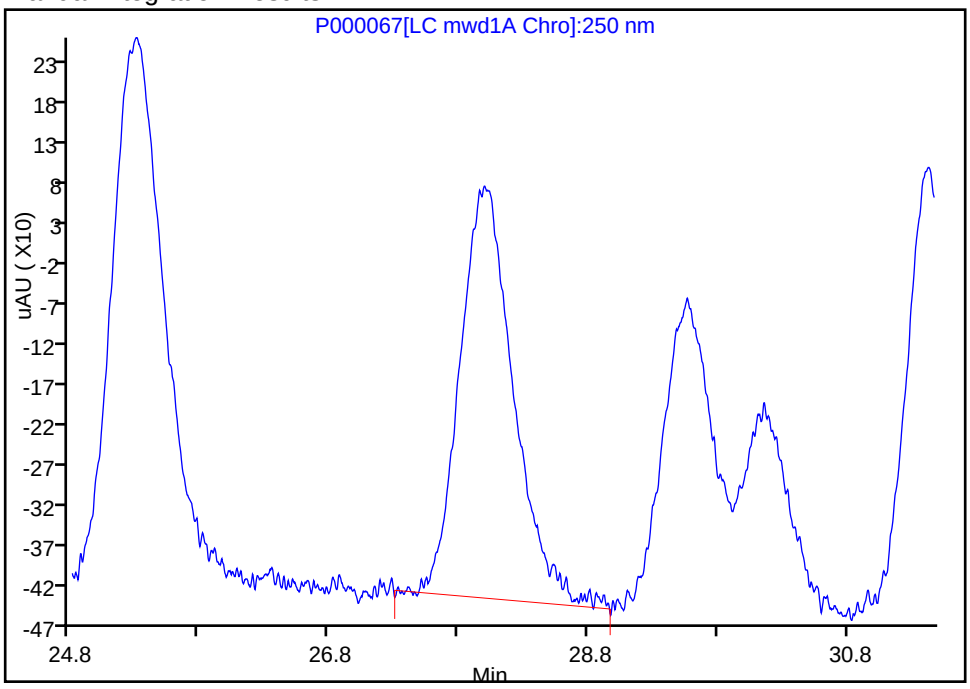
Processing Integration Results

RT: 28.00
Response: 553
Amount: 6.732429



Manual Integration Results

RT: 28.00
Response: 507
Amount: 6.172407



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Report Date: 19-Apr-2013 06:54:18 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

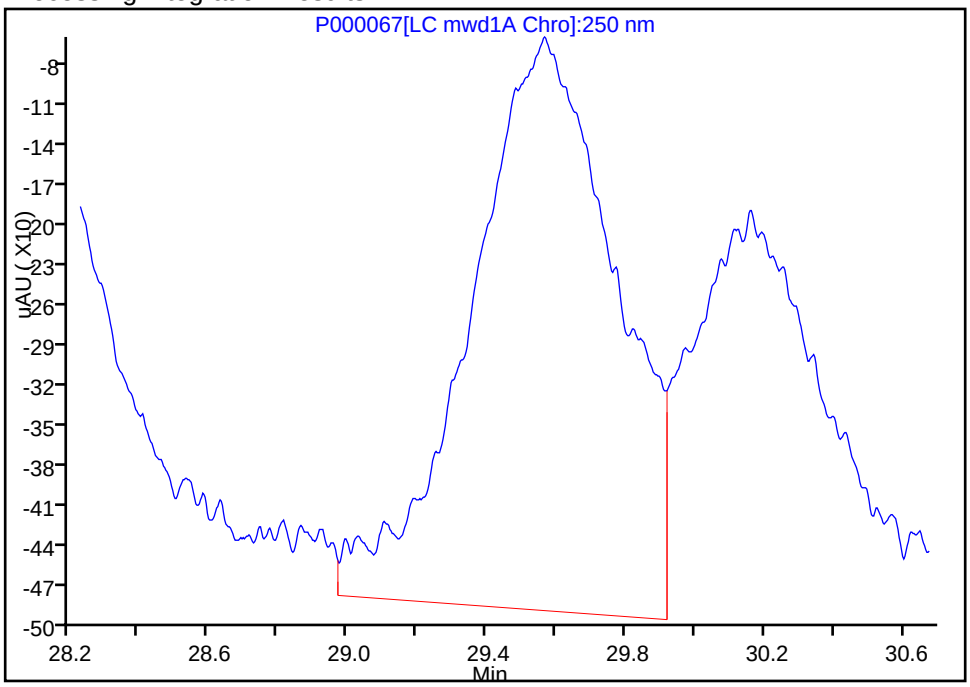
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 29.57, Det: LC mwd1A

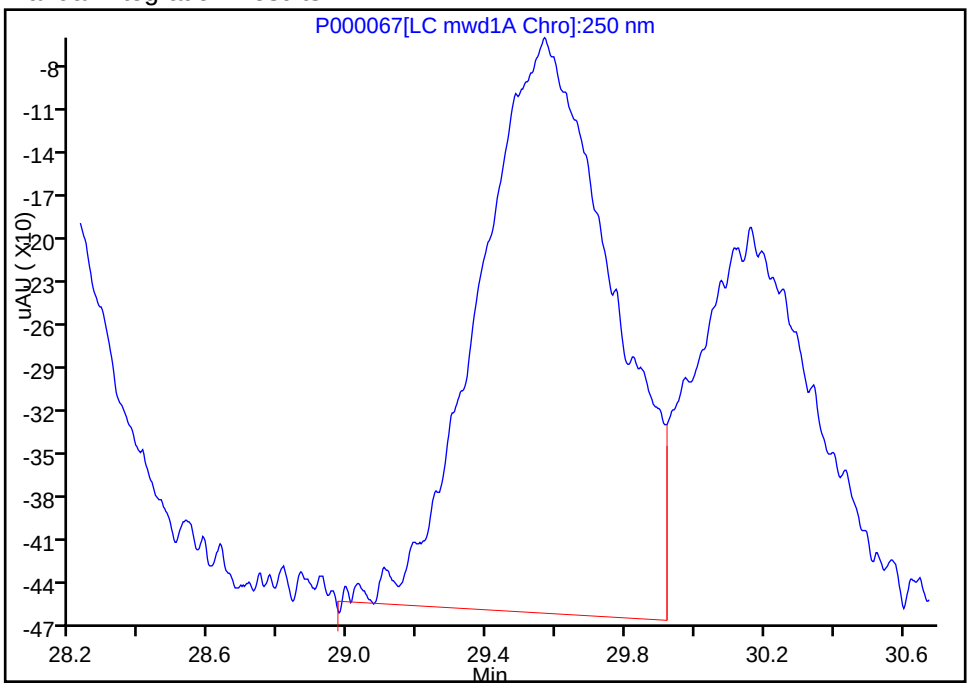
Processing Integration Results

RT: 29.57
Response: 426
Amount: 6.711713



Manual Integration Results

RT: 29.57
Response: 391
Amount: 6.160282



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Report Date: 19-Apr-2013 06:54:18 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

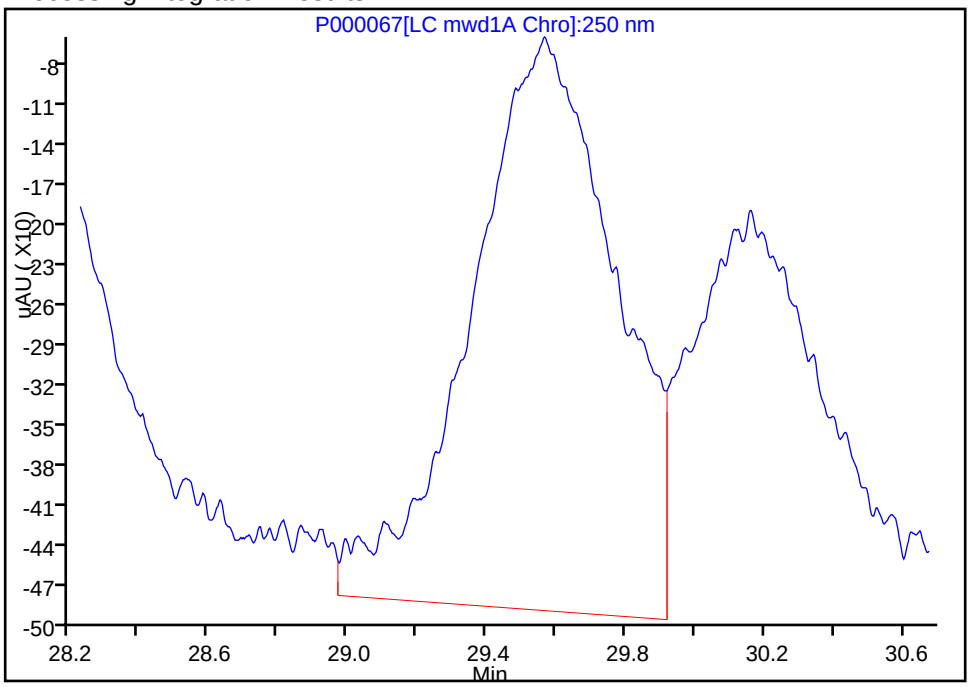
TestAmerica Sacramento

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Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 29.57, Det: LC mwd1A

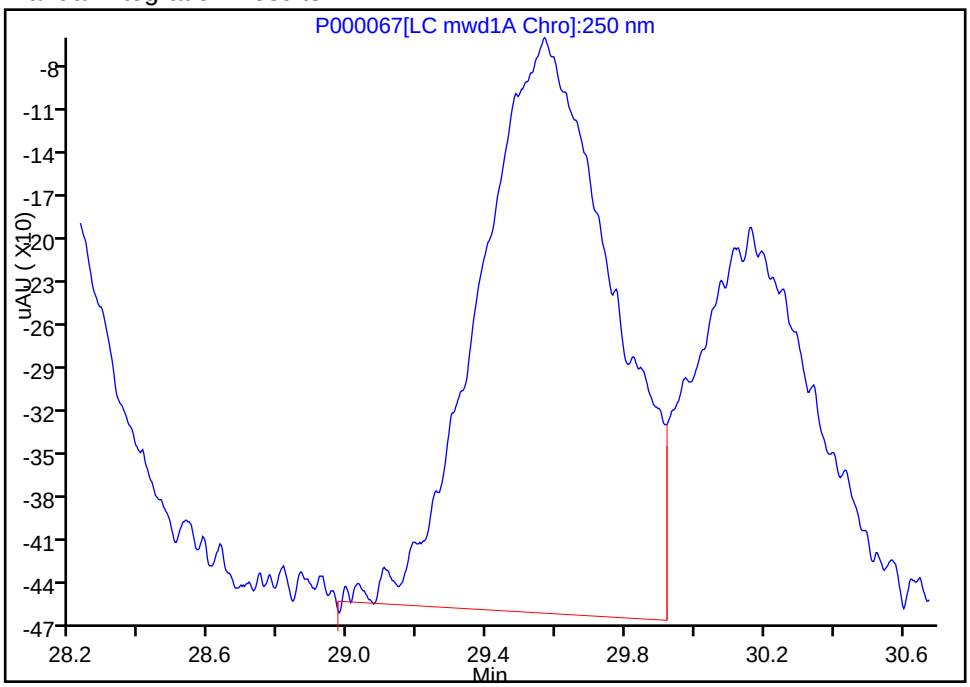
Processing Integration Results

RT: 29.57
Response: 426
Amount: 6.711713



Manual Integration Results

RT: 29.57
Response: 391
Amount: 6.160282



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

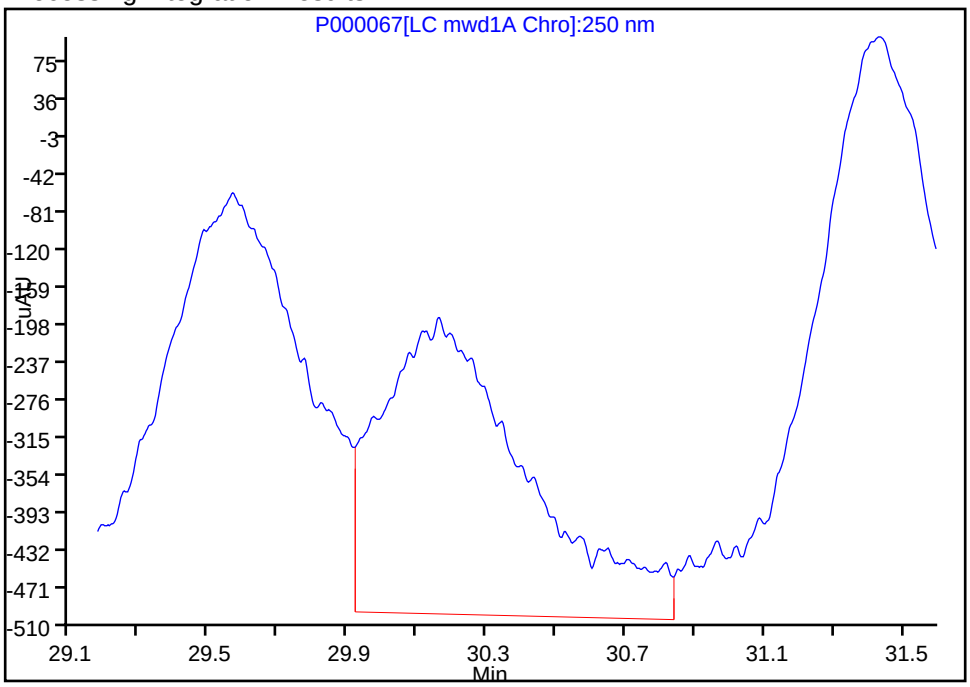
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 30.16, Det: LC mwd1A

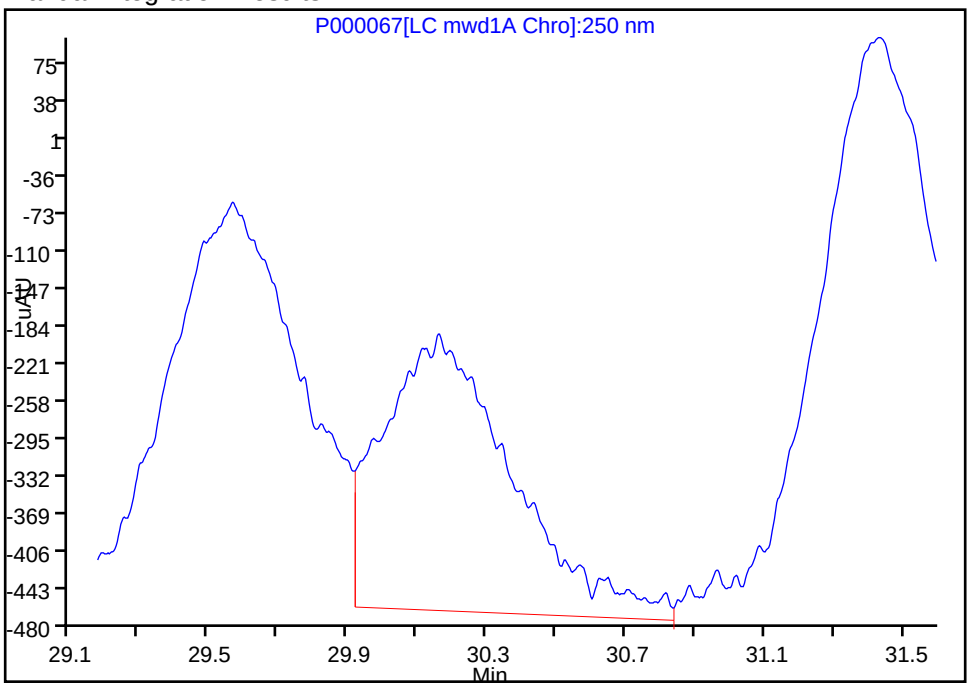
Processing Integration Results

RT: 30.16
Response: 306
Amount: 7.220834



Manual Integration Results

RT: 30.16
Response: 270
Amount: 6.371324



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

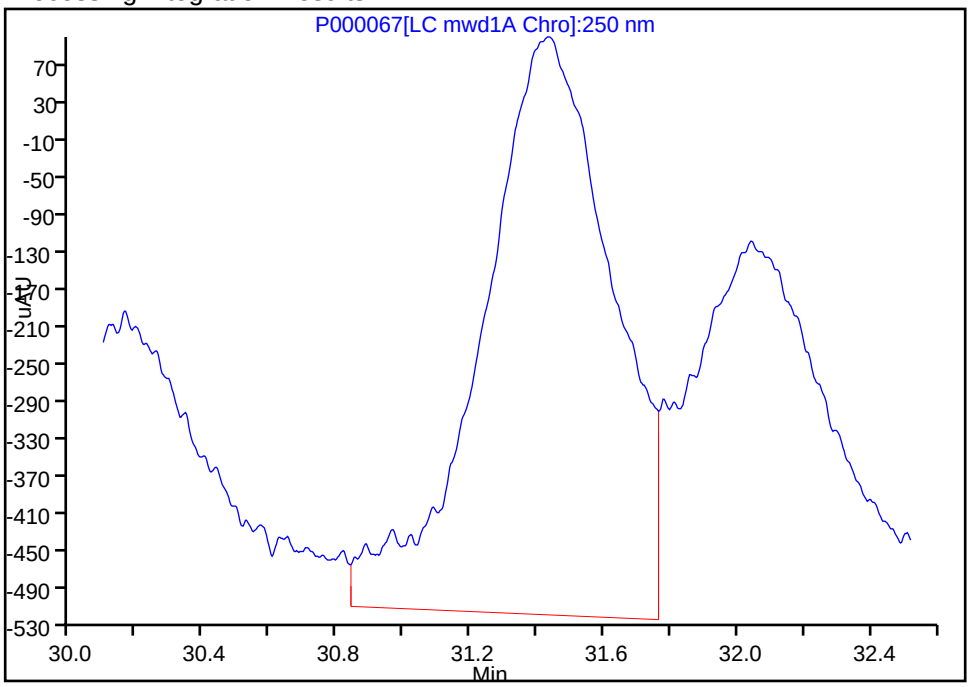
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

9 3,5-Dinitroaniline, Signal: 1, Type: quant, RT: 31.43, Det: LC mwd1A

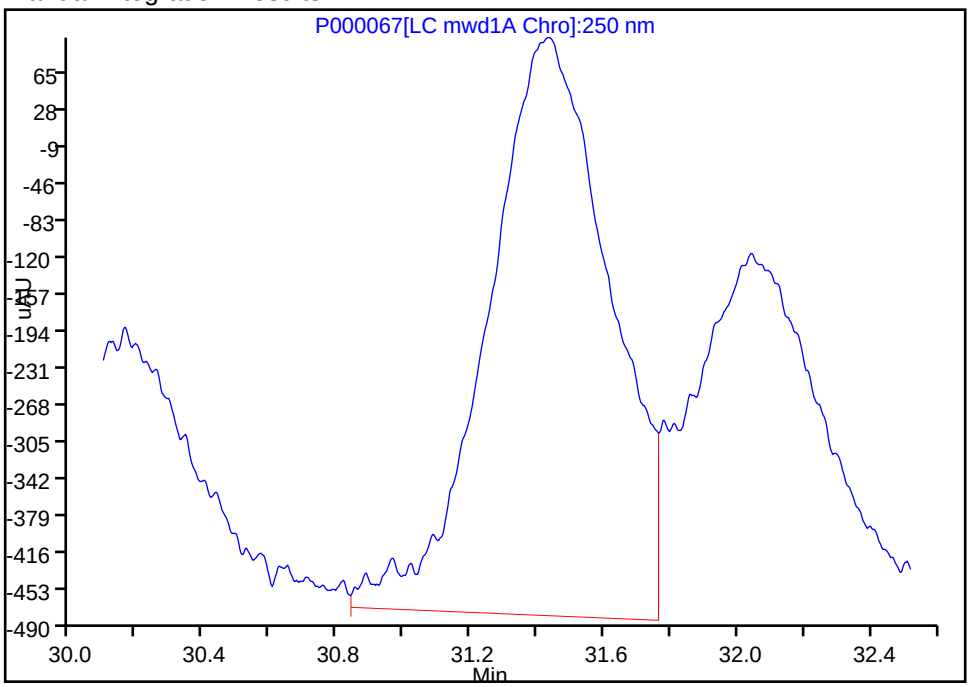
Processing Integration Results

RT: 31.44
Response: 611
Amount: 7.421308



Manual Integration Results

RT: 31.43
Response: 578
Amount: 7.020485



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

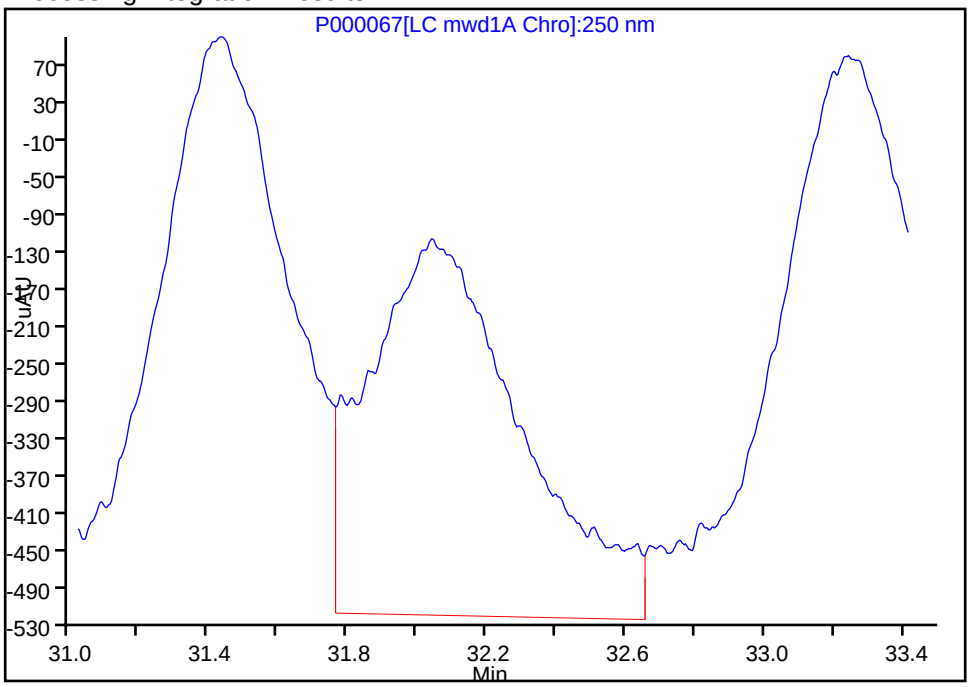
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 32.04, Det: LC mwd1A

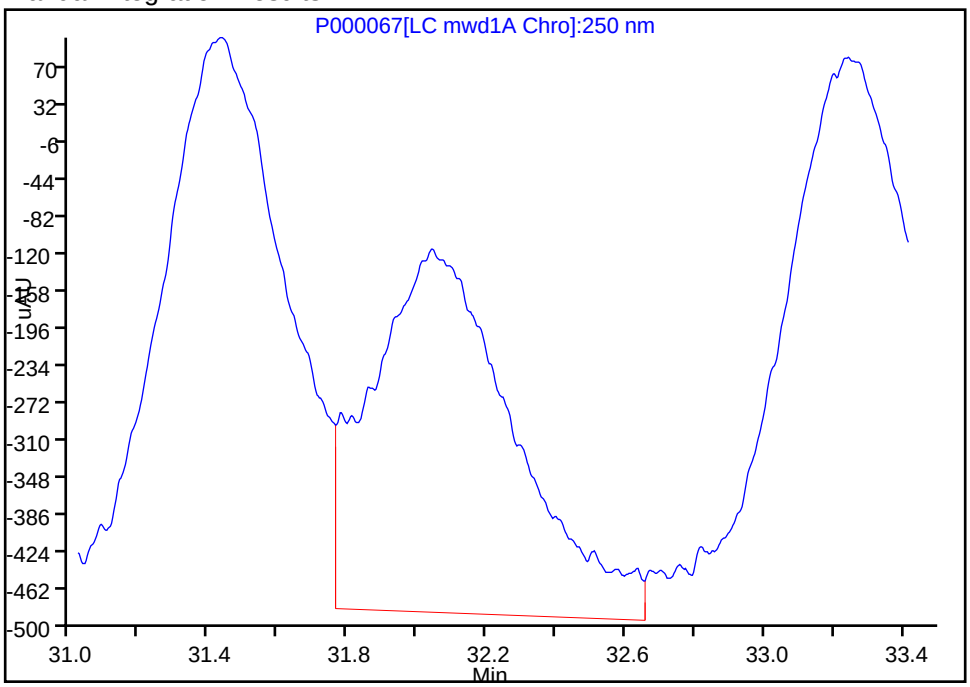
Processing Integration Results

RT: 32.04
Response: 402
Amount: 8.197850



Manual Integration Results

RT: 32.04
Response: 370
Amount: 7.545284



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

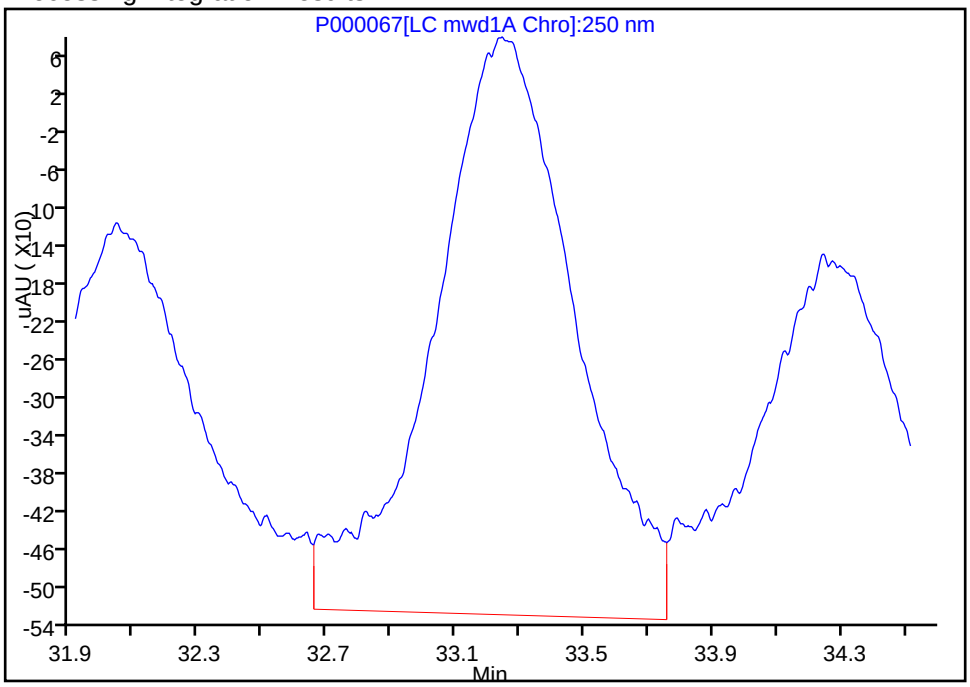
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

23 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 33.24, Det: LC mwd1A

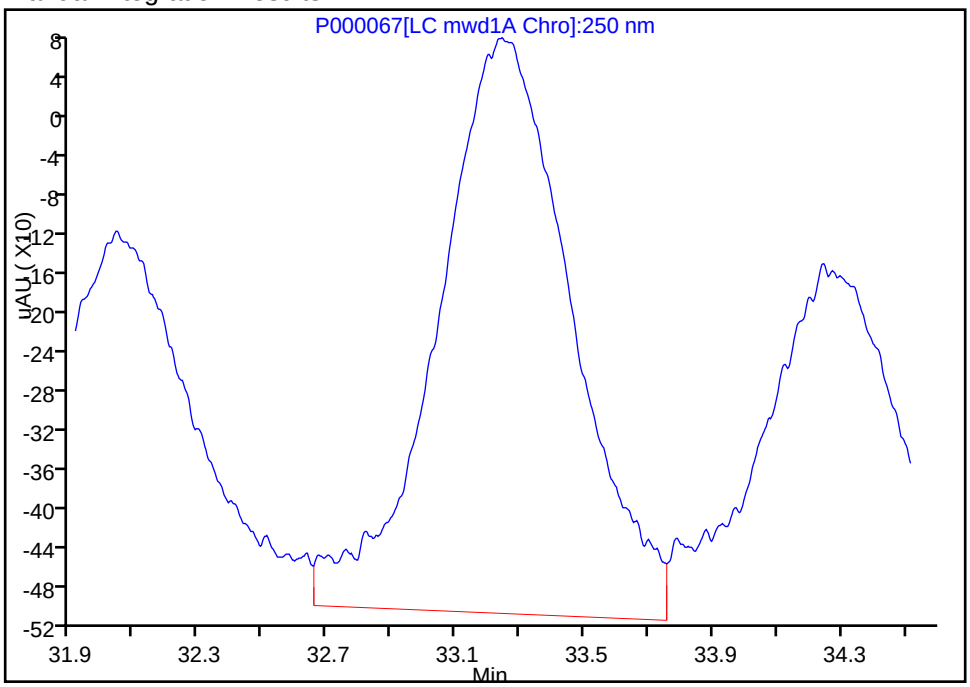
Processing Integration Results

RT: 33.24
Response: 608
Amount: 6.882305



Manual Integration Results

RT: 33.24
Response: 583
Amount: 6.599315



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

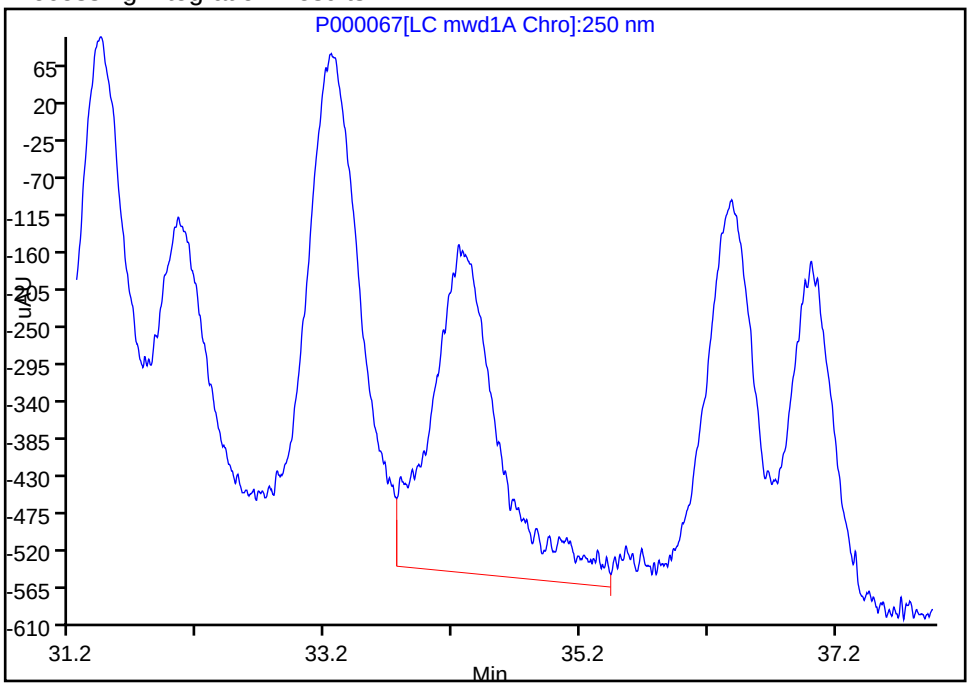
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000067.D		
Injection Date:	19-Apr-2013 04:38:39	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	63
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 34.24, Det: LC mwd1A

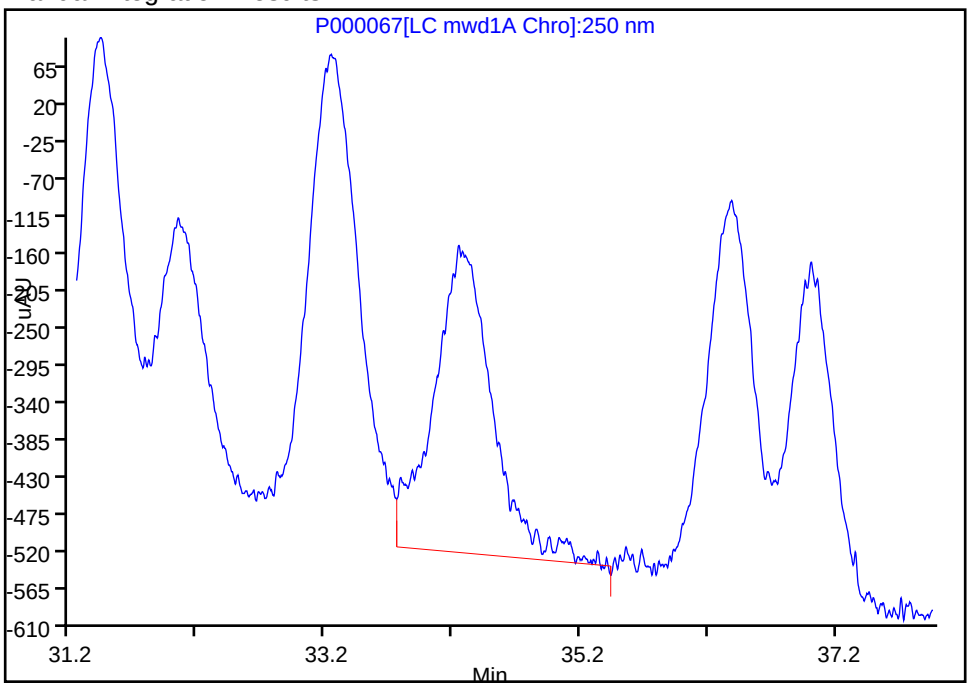
Processing Integration Results

RT: 34.25
Response: 392
Amount: 7.309478



Manual Integration Results

RT: 34.24
Response: 367
Amount: 6.843312



Reviewer: noonanr, 19-Apr-2013 06:54:17
Audit Action: Assigned New Baseline
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/64 Calibration Date: 04/19/2013 05:44

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000068.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.13		99.6	100	-0.4	20.0
Ethylene glycol dinitrate	Ave	21.88	22.14		101	100	1.2	20.0
1,3-Dinitrobenzene	Ave	106.1	106.4		100	100	0.3	20.0
1,3,5-Trinitrobenzene	Ave	82.14	80.27		97.7	100	-2.3	20.0
2-Nitrotoluene	Ave	63.47	60.45		95.2	100	-4.8	20.0
4-Nitrotoluene	Ave	63.47	60.45		95.2	100	-4.8	20.0
3-Nitrotoluene	Ave	42.38	40.42		95.4	100	-4.6	20.0
3,5-Dinitroaniline	Ave	82.33	82.36		100	100	0.0	20.0
RDX	Ave	49.04	46.91		95.7	100	-4.3	20.0
2,4-Dinitrotoluene	Ave	88.34	90.74		103	100	2.7	20.0
2,6-Dinitrotoluene	Ave	53.63	53.87		100	100	0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.85		97.9	100	-2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	66.79		95.0	100	-5.0	20.0
2,4,6-Trinitrotoluene	Ave	87.92	87.55		99.6	100	-0.4	20.0
HMX	Ave	65.31	63.10		96.6	100	-3.4	20.0
Nitroglycerin	Ave	91.50	84.61		92.5	100	-7.5	20.0
Tetryl	Ave	118.9	128.4		108	100	8.0	20.0
PETN	Ave	146.8	139.8		95.3	100	-4.7	20.0
3,4-Dinitrotoluene	Ave	53.42	52.03		97.4	100	-2.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Lab Sample ID: CCV 320-14569/64 Calibration Date: 04/19/2013 05:44

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 02/14/2013 00:54

Lab File ID: P000068.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.36	22.10	22.60
Ethylene glycol dinitrate	23.30	23.03	23.53
1,3-Dinitrobenzene	25.29	25.06	25.56
1,3,5-Trinitrobenzene	27.99	27.75	28.25
2-Nitrotoluene	29.56	29.32	29.82
4-Nitrotoluene	29.56	29.32	29.82
3-Nitrotoluene	30.15	29.91	30.41
3,5-Dinitroaniline	31.42	31.18	31.68
RDX	32.04	31.79	32.29
2,4-Dinitrotoluene	33.24	32.99	33.49
2,6-Dinitrotoluene	34.27	33.99	34.49
2-Amino-4,6-dinitrotoluene	36.38	36.14	36.64
4-Amino-2,6-dinitrotoluene	37.00	36.76	37.26
2,4,6-Trinitrotoluene	40.70	40.46	40.96
HMX	42.44	42.19	42.69
Nitroglycerin	44.94	44.70	45.20
Tetryl	46.64	46.40	46.90
PETN	53.20	52.95	53.45
3,4-Dinitrotoluene	38.71	38.46	38.96

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000068.D
Lims ID: CCV 05 Client ID:
Inject. Date: 19-Apr-2013 05:44:47 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0003897-064
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 5
Lims Batch ID: 14569 Lims Sample ID: 64
Sublist: chrom-LC12_Conf_8330*sub1

Method: \\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m
Last Update: 19-Apr-2013 06:55:00 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK006

First Level Reviewer: noonanr Date: 19-Apr-2013 06:55:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.140	0.104	0.036	91	0	
1	0.254	0.261	-0.007	195	0	
5 Nitrobenzene						
1	22.357	22.347	0.010	4813	99.6	
3 Ethylene glycol dinitrate						
2	23.300	23.284	0.016	2214	101.2	
24 1,3-Dinitrobenzene						
1	25.294	25.310	-0.016	10636	100.3	
27 1,3,5-Trinitrobenzene						
1	27.994	27.997	-0.003	8027	97.7	
16 o-Nitrotoluene						
1	29.557	29.567	-0.010	6045	95.2	
15 p-Nitrotoluene						
1	29.557	29.567	-0.010	6045	95.2	
8 m-Nitrotoluene						
1	30.150	30.160	-0.010	4042	95.4	
9 3,5-Dinitroaniline						
1	31.424	31.430	-0.006	8236	100.0	
19 RDX						
1	32.044	32.040	0.004	4691	95.7	
23 2,4-Dinitrotoluene						
1	33.240	33.244	-0.004	9074	102.7	
12 2,6-Dinitrotoluene						
1	34.270	34.244	0.026	5387	100.4	
6 2-Amino-4,6-dinitrotoluene						
1	36.377	36.387	-0.010	7285	97.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	36.997	37.014	-0.017	6679	95.0	
$ 30 3,4-Dinitrotoluene						
1	38.714	38.714	0.0	5203	97.4	
25 2,4,6-Trinitrotoluene						
1	40.704	40.714	-0.010	8755	99.6	
11 HMX						
1	42.440	42.440	0.0	6310	96.6	
7 Nitroglycerin						
2	44.937	44.947	-0.010	8461	92.5	
20 Tetryl						
1	46.644	46.650	-0.006	12843	108.0	
21 PETN						
2	53.204	53.200	0.004	13979	95.3	

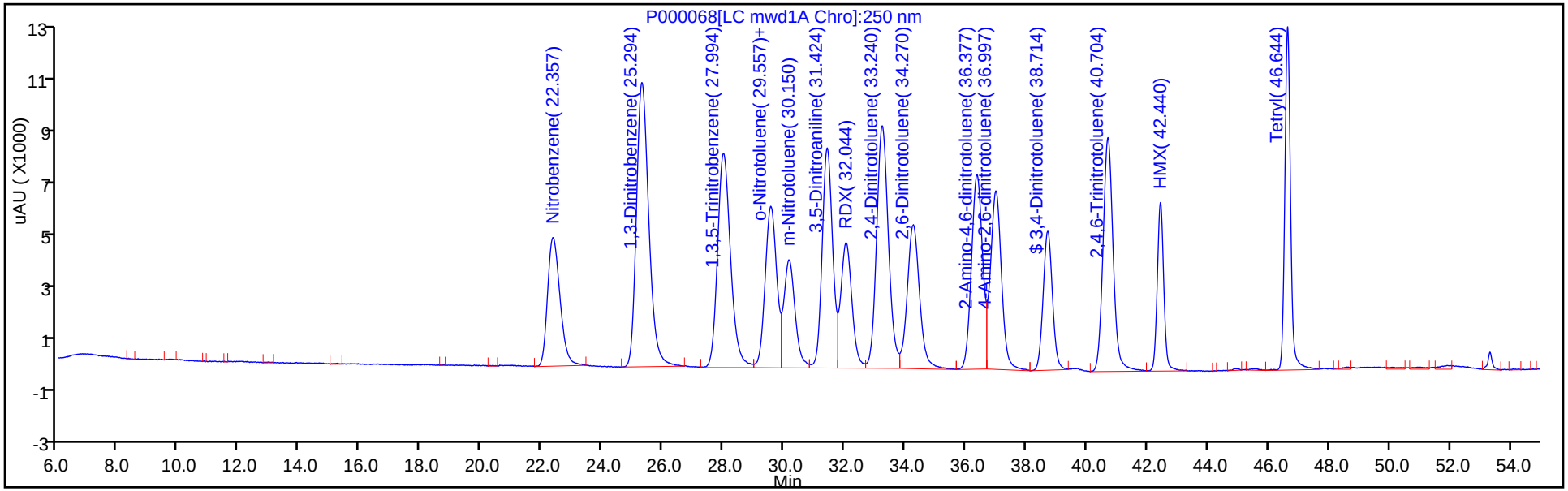
Report Date: 19-Apr-2013 06:55:01 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

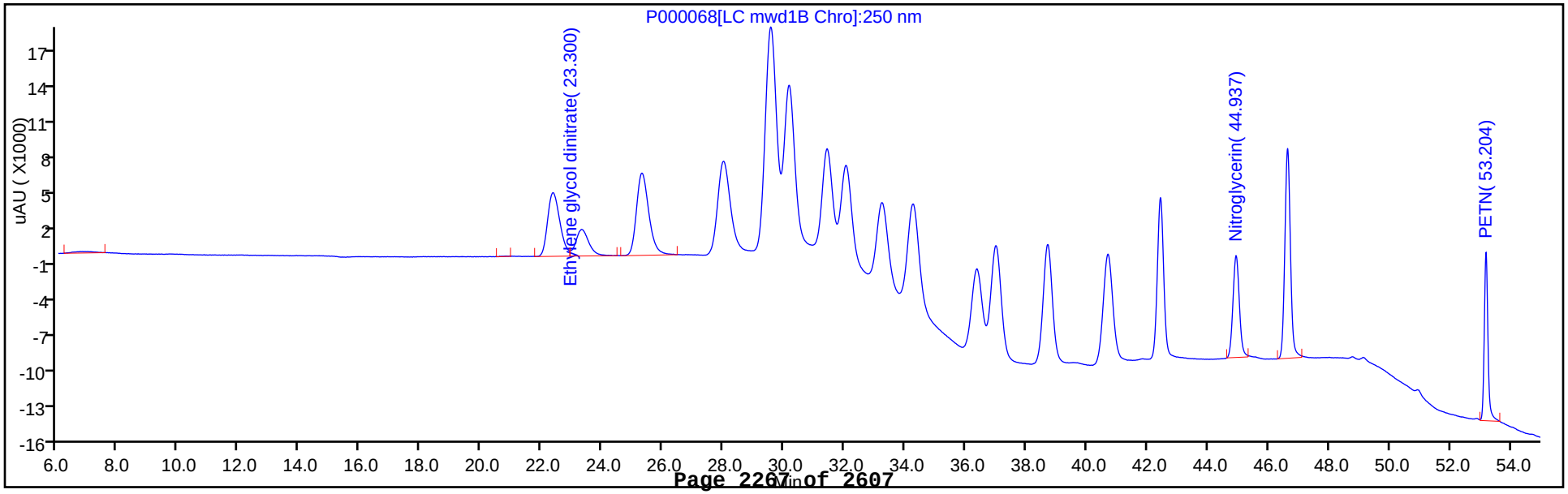
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Injection Date:	19-Apr-2013 05:44:47	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	64
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-13607/1-A

Matrix: Solid Lab File ID: K-000013.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.00(g) Date Analyzed: 04/09/2013 03:12

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U M	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000013.D		
Lims ID:	MB 320-13607/1-A	Client ID:	
Inject. Date:	09-Apr-2013 03:12:15	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003758-013		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	19
Lims Batch ID:	13851	Lims Sample ID:	13
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	09-Apr-2013 09:48:35	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: russellk Date: 09-Apr-2013 09:28:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						M
1	25.444	25.386	0.058	152	0.7056	M
7 Nitroglycerin						
2	30.447	30.416	0.031	260	2.89	
$ 30 3,4-Dinitrotoluene						
1	32.464	32.500	-0.036	4004	57.4	
2	32.467	32.503	-0.036	7972	61.7	

QC Flag Legend

Review Flags
M - Manually Integrated

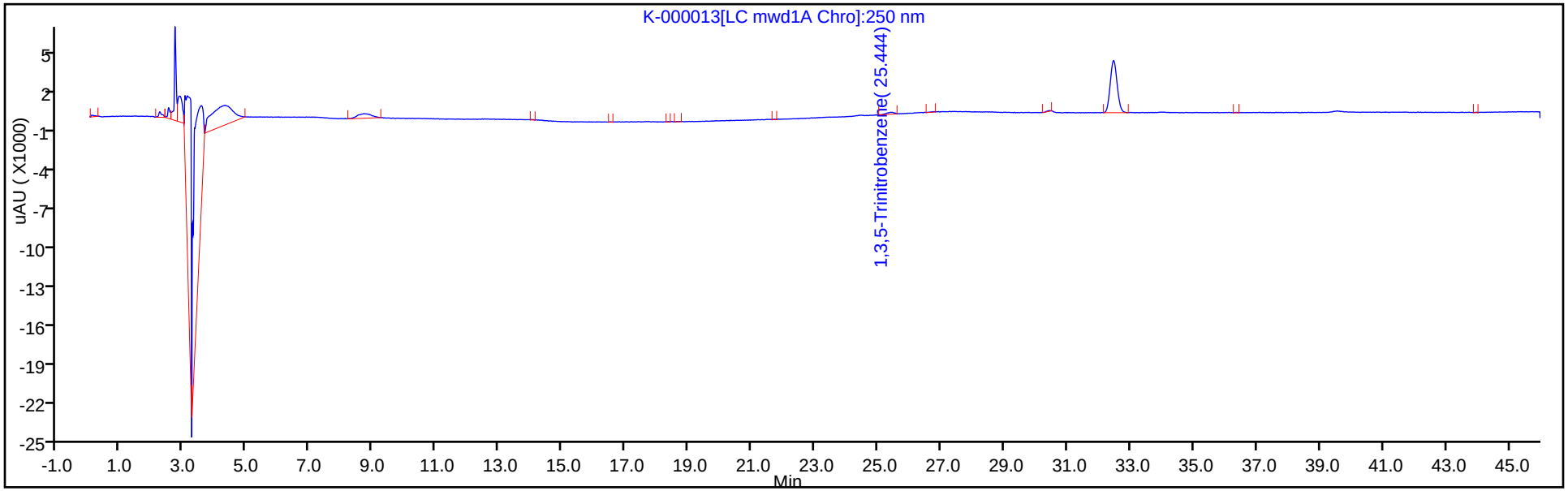
Report Date: 09-Apr-2013 09:48:36 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

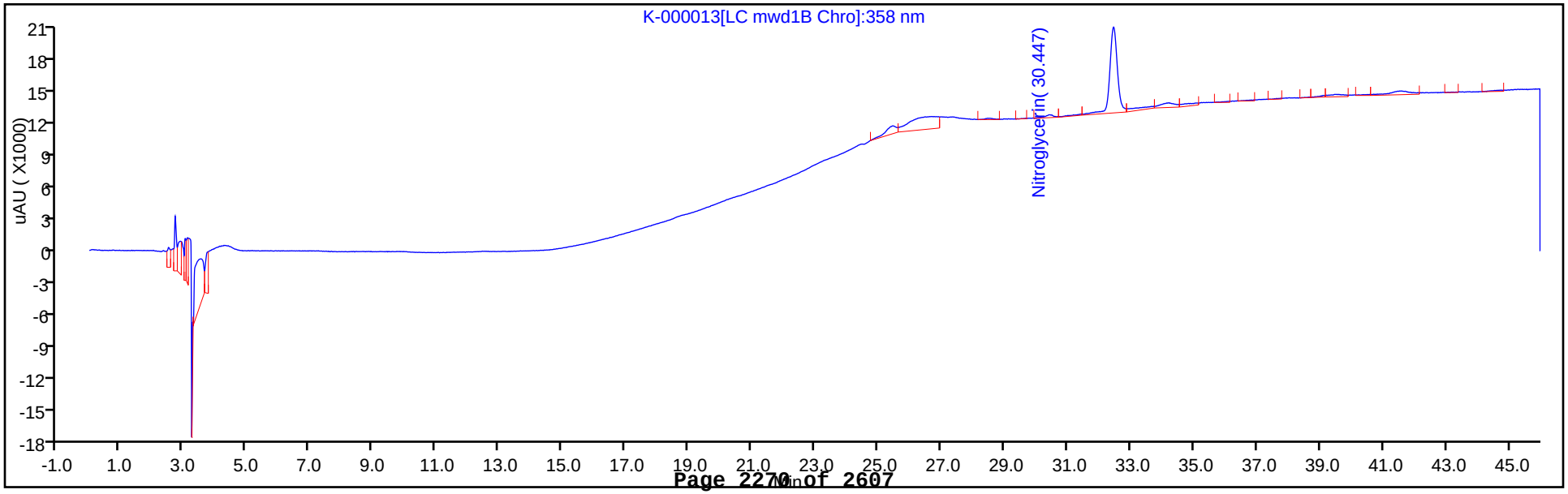
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000013.D

Injection Date:	09-Apr-2013 03:12:15	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	13
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

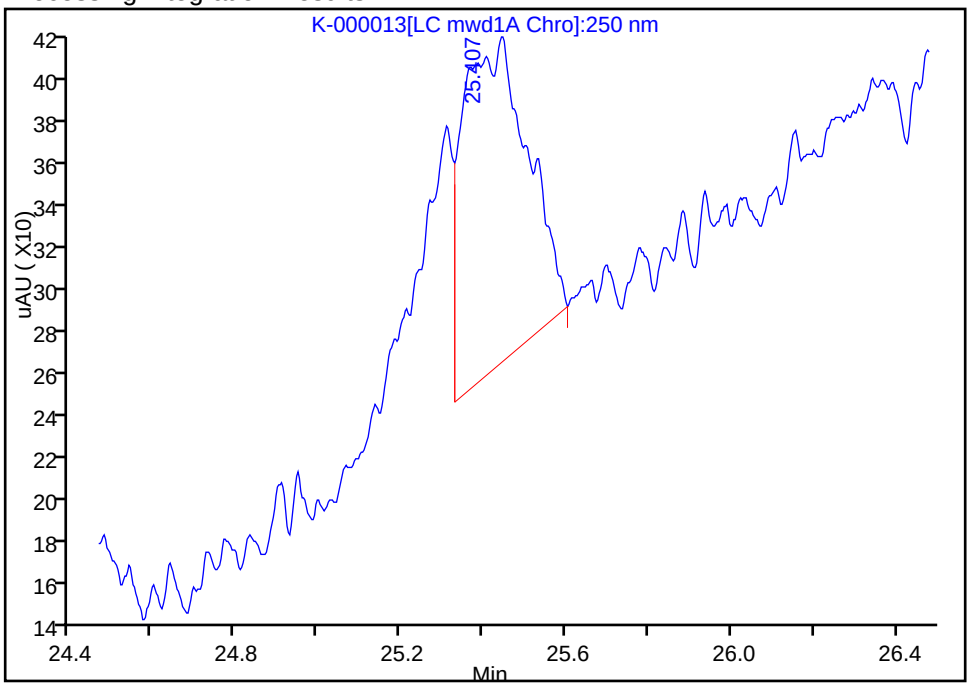
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000013.D		
Injection Date:	09-Apr-2013 03:12:15	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	13
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 25.39, Det: LC mwd1A

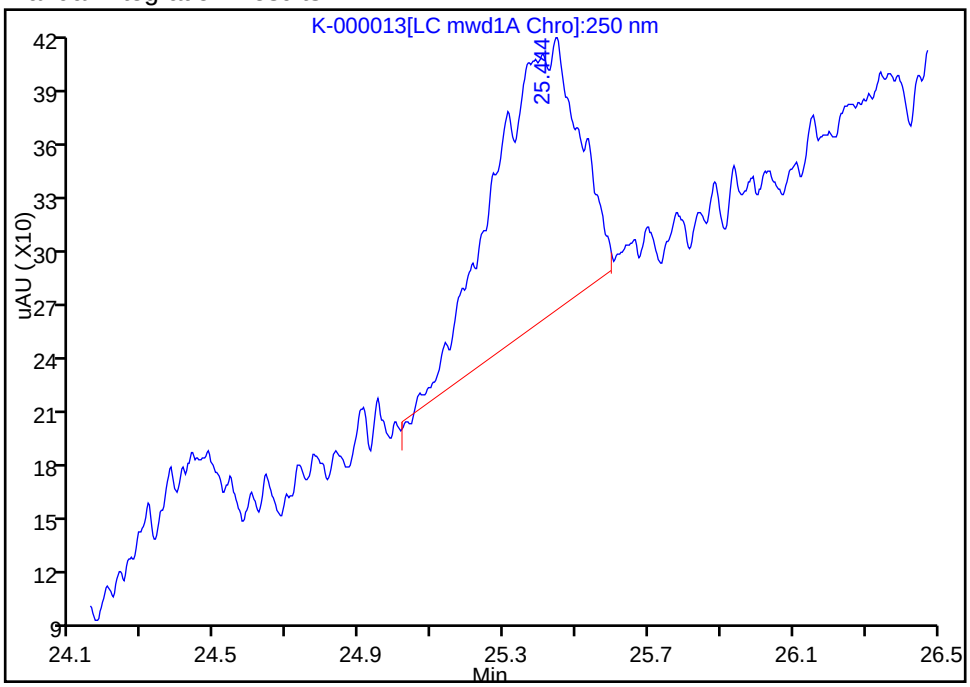
Processing Integration Results

RT: 25.41
Response: 147
Amount: 0.682427



Manual Integration Results

RT: 25.44
Response: 152
Amount: 0.705639



Reviewer: russellk, 09-Apr-2013 09:28:35
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-22488-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 320-13607/1-A

Matrix: Solid | Lab File ID: P000055.D

Analysis Method: 8330B | Date Collected:

Extraction Method: 8330B | Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.00(g) | Date Analyzed: 04/18/2013 15:25

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Zorbax CN | ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.0141	J	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	114	*M*	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000055.D		
Lims ID:	MB 320-13607/1-A	Client ID:	
Inject. Date:	18-Apr-2013 15:25:15	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003897-052		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	53
Lims Batch ID:	14569	Lims Sample ID:	52
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	19-Apr-2013 06:42:27	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK006		

First Level Reviewer: noonanr Date: 19-Apr-2013 06:42:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.199	0.194	0.005	173	0	
1	0.199	0.194	0.005	194	0	
$ 30 3,4-Dinitrotoluene						M
1	38.626	38.648	-0.022	3808	71.3	M
20 Tetryl						
1	46.473	46.608	-0.135	209	1.76	

QC Flag Legend

Review Flags
M - Manually Integrated

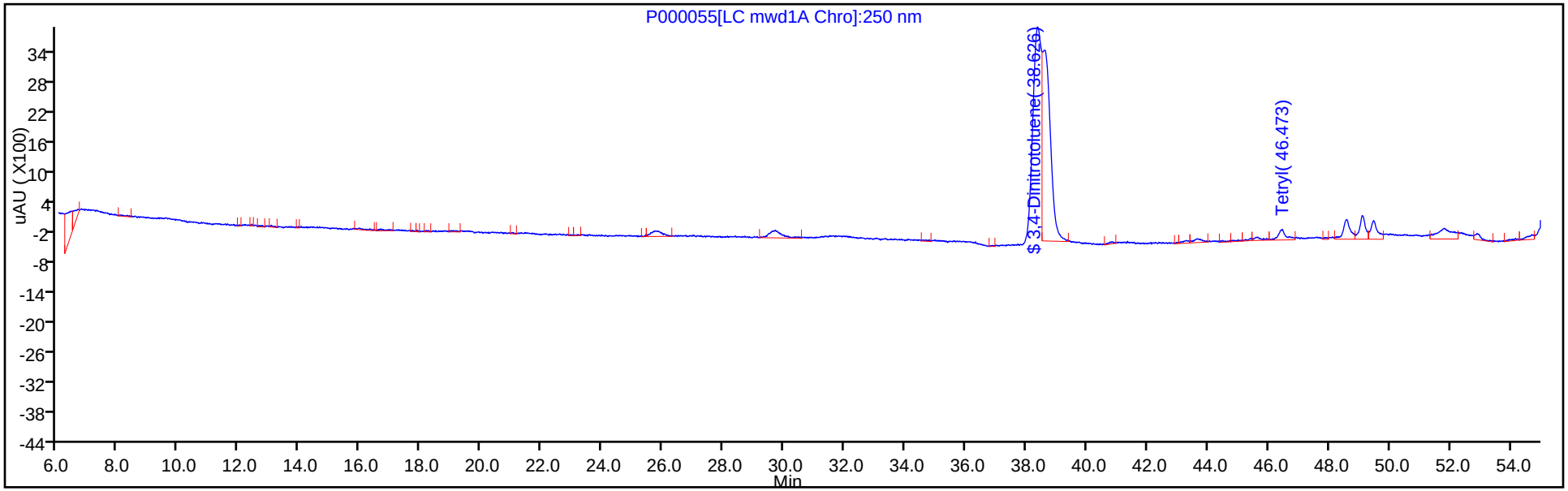
Report Date: 19-Apr-2013 06:42:27 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

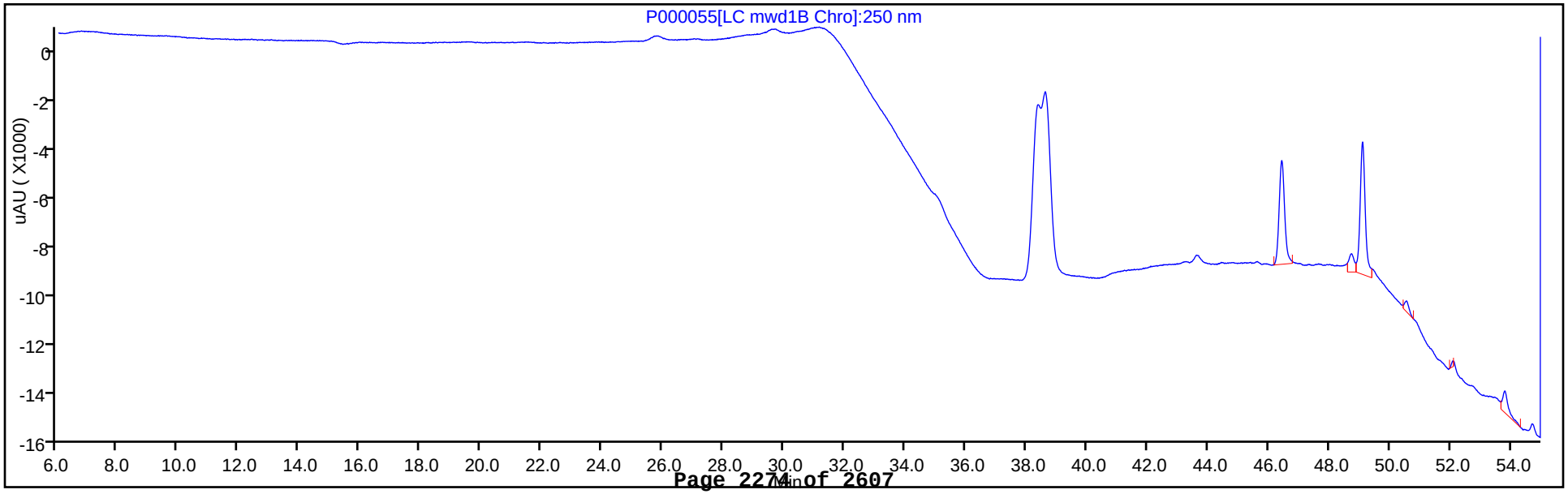
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000055.D

Injection Date:	18-Apr-2013 15:25:15	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	52
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

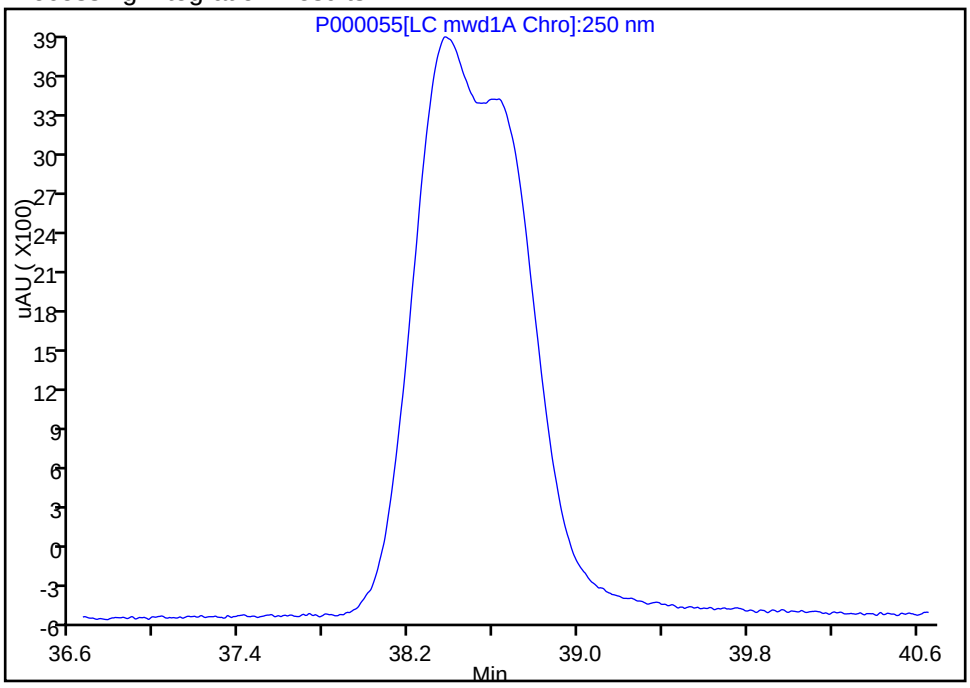
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000055.D		
Injection Date:	18-Apr-2013 15:25:15	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	52
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 38.65, Det: LC mwd1A

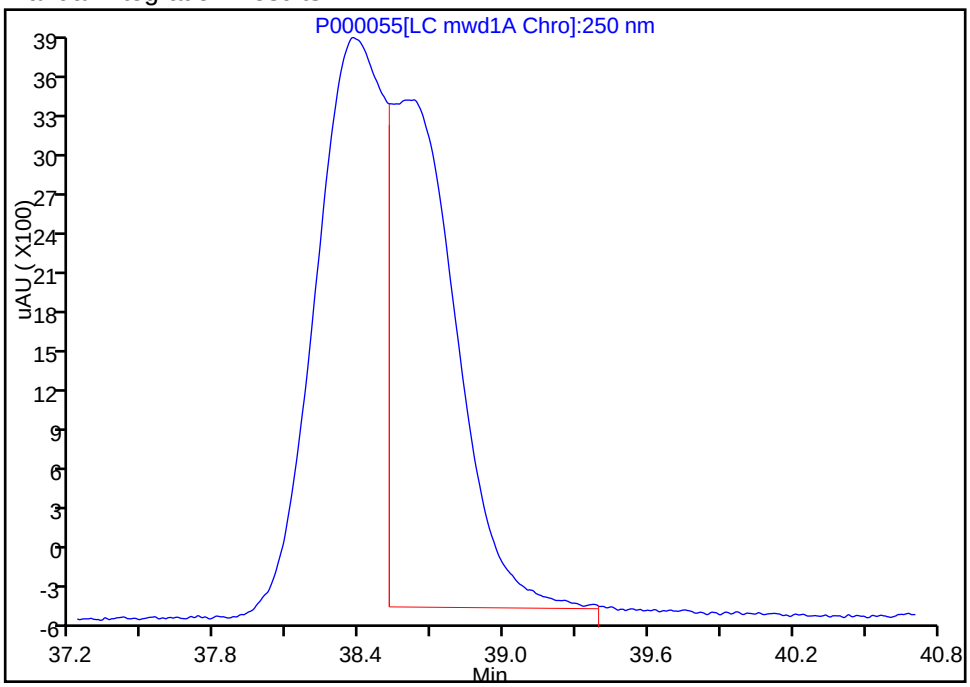
Processing Integration Results

Not Detected
Expected RT: 38.65



Manual Integration Results

RT: 38.63
Response: 3808
Amount: 71.287944



Reviewer: noonanr, 19-Apr-2013 06:42:27
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Peak not integrated

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-13728/1-A

Matrix: Solid Lab File ID: K-000006.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.00(g) Date Analyzed: 04/08/2013 20:32

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000006.D		
Lims ID:	MB 320-13728/1-A	Client ID:	
Inject. Date:	08-Apr-2013 20:32:56	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003758-006		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	12
Lims Batch ID:	13851	Lims Sample ID:	6
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 13:02:41	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		

First Level Reviewer: noonanr Date: 11-Apr-2013 13:02:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
27 1,3,5-Trinitrobenzene						
1	25.391	25.386	0.005	161	0.7474	
$ 30 3,4-Dinitrotoluene						
1	32.485	32.496	-0.011	4115	58.9	
2	32.488	32.500	-0.012	8196	63.5	

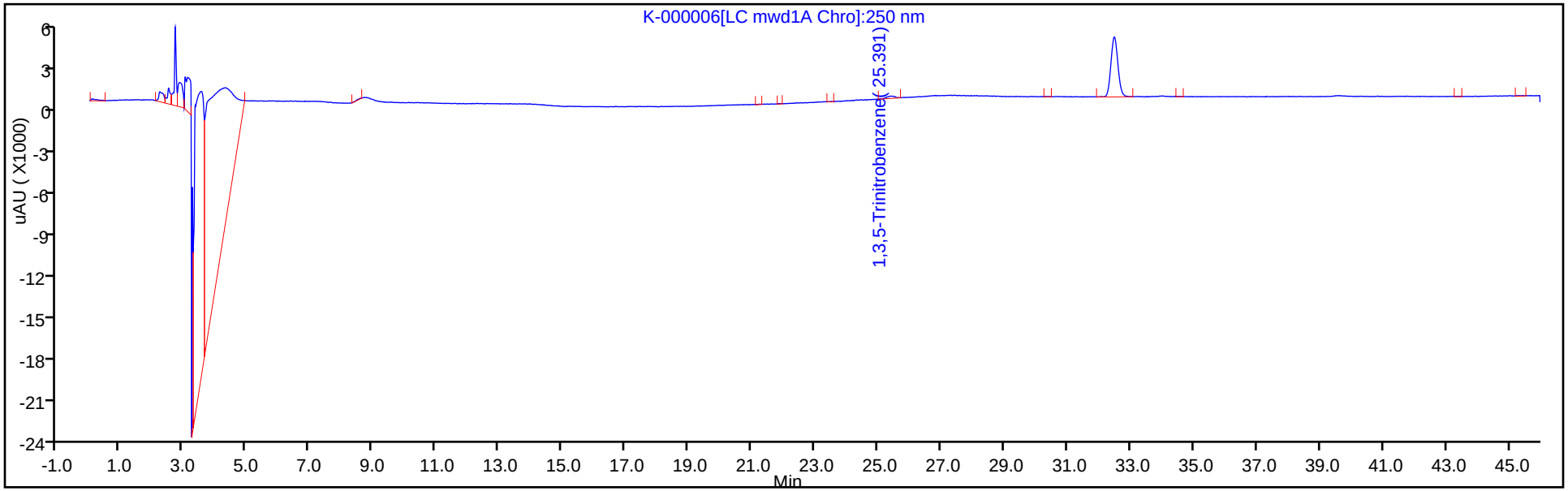
Report Date: 11-Apr-2013 13:02:42 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

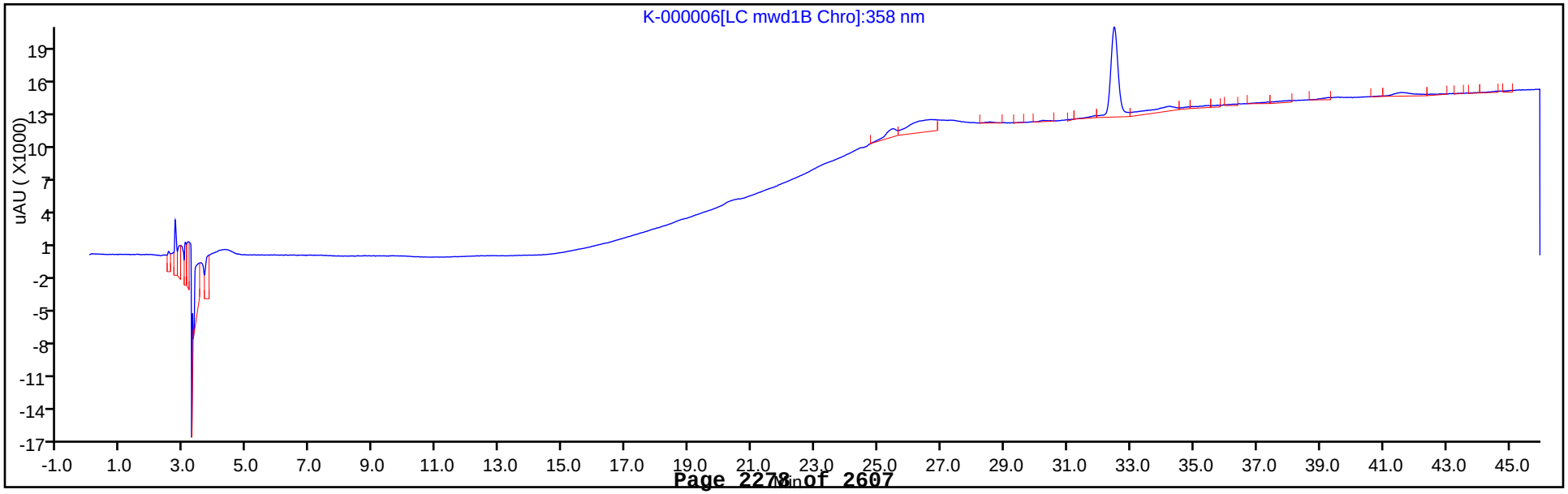
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000006.D

Injection Date:	08-Apr-2013 20:32:56	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	6
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-13728/1-A

Matrix: Solid Lab File ID: P000052.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.00(g) Date Analyzed: 04/18/2013 12:07

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 14569 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.0123	J	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	117	*M*	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000052.D		
Lims ID:	MB 320-13728/1-A	Client ID:	
Inject. Date:	18-Apr-2013 12:07:04	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0003897-049		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	50
Lims Batch ID:	14569	Lims Sample ID:	49
Method:	\\SACChrom\ChromData\LC12\20130415-3897.b\LC12_Conf_8330.m		
Last Update:	18-Apr-2013 13:20:48	Calib Date:	07-Mar-2013 16:35:05
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK017		

First Level Reviewer: noonanr Date: 18-Apr-2013 13:20:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.198	0.194	0.004	144	0	
1	0.198	0.194	0.004	144	0	
$ 30 3,4-Dinitrotoluene						M
1	38.548	38.648	-0.100	3911	73.2	M
20 Tetryl						
1	46.485	46.608	-0.123	183	1.54	

QC Flag Legend

Review Flags
M - Manually Integrated

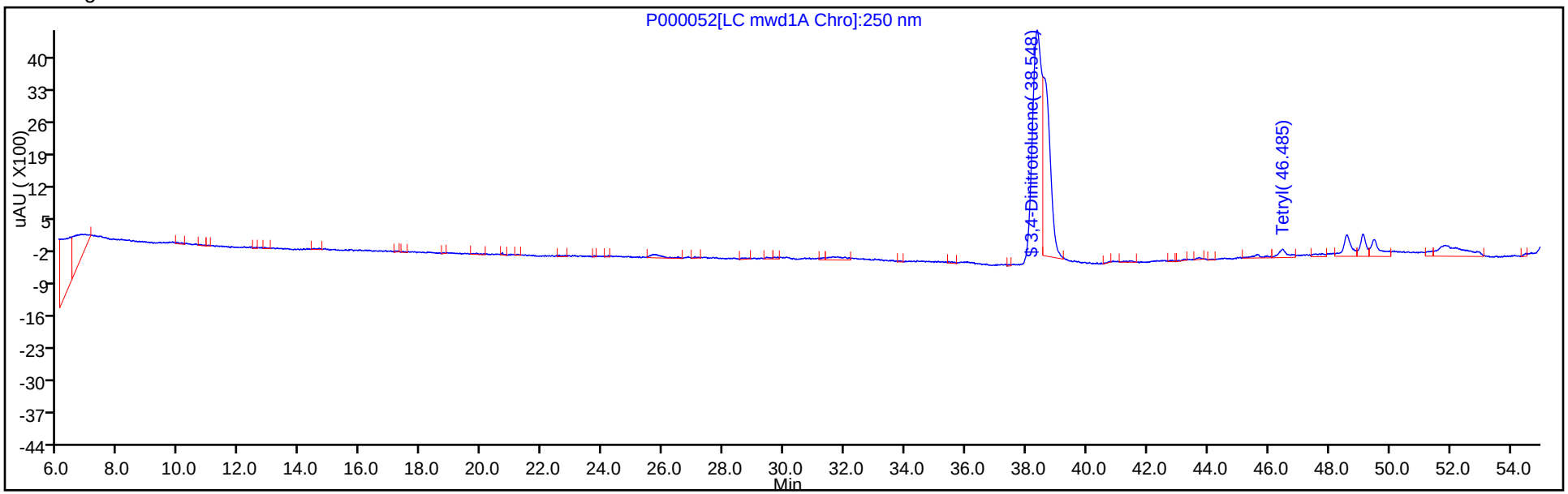
Report Date: 18-Apr-2013 13:20:48 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

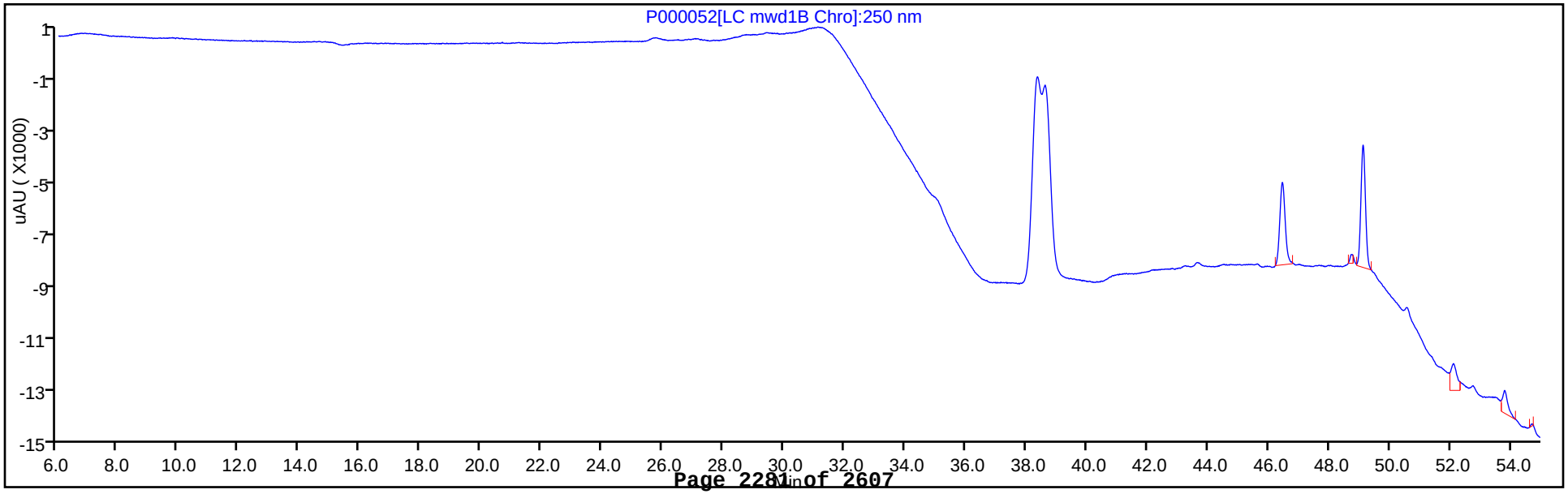
Data File: \\SACChrom\ChromData\LC12\20130415-3897.b\P000052.D

Injection Date:	18-Apr-2013 12:07:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	49
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

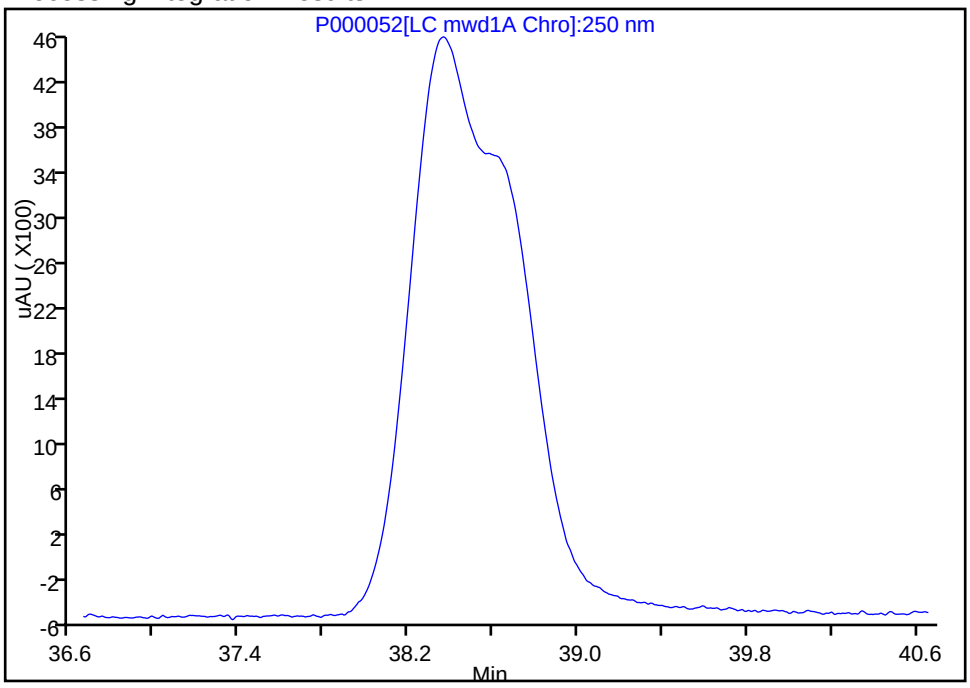
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130415-3897.b\P000052.D		
Injection Date:	18-Apr-2013 12:07:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	14569	Lims Sample ID:	49
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 38.65, Det: LC mwd1A

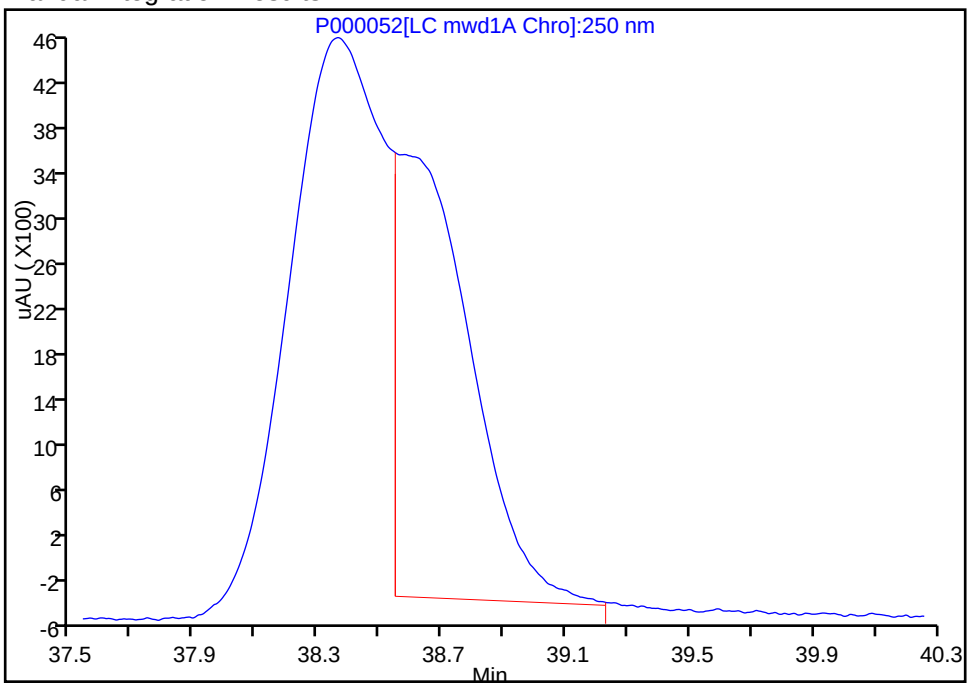
Processing Integration Results

Not Detected
Expected RT: 38.65



Manual Integration Results

RT: 38.55
Response: 3911
Amount: 73.216163



Reviewer: noonanr, 18-Apr-2013 13:20:48
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Peak not integrated

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-13607/2-A

Matrix: Solid Lab File ID: K-000016.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.00(g) Date Analyzed: 04/09/2013 06:03

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.442		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.445		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.455		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.456		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.446		0.25	0.050	0.0073
2691-41-0	HMX	0.474		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.453		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.932		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.492		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.491		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.485		0.25	0.050	0.018
78-11-5	PETN	0.916		0.50	0.25	0.025
121-82-4	RDX	0.462		0.25	0.050	0.012
479-45-8	Tetryl	0.370		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.456		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.400		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000016.D
Lims ID: LCS 320-13607/2-A Client ID:
Inject. Date: 09-Apr-2013 06:03:44 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0003758-016
Misc. Info.:
Operator: KR Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 20
Lims Batch ID: 13851 Lims Sample ID: 16

Method: \\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m
Last Update: 09-Apr-2013 09:48:35 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK024

First Level Reviewer: russellk Date: 09-Apr-2013 09:31:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.256	20.253	0.003	5580	59.2	
19 RDX						
1	23.483	23.499	-0.016	5434	57.8	
27 1,3,5-Trinitrobenzene						
1	25.379	25.383	-0.004	12288	57.0	
24 1,3-Dinitrobenzene						
1	28.079	28.086	-0.007	12994	56.8	
9 3,5-Dinitroaniline						
1	29.213	29.236	-0.023	8087	53.8	
5 Nitrobenzene						
1	29.616	29.619	-0.003	5567	56.6	
20 Tetryl						
1	29.946	29.953	-0.007	5674	46.2	
7 Nitroglycerin						
2	30.386	30.399	-0.013	10490	116.5	
25 2,4,6-Trinitrotoluene						
1	31.113	31.129	-0.016	6499	50.0	
26 4-Amino-2,6-dinitrotoluene						
1	32.119	32.136	-0.017	5799	55.6	
$ 30 3,4-Dinitrotoluene						
1	32.476	32.483	-0.007	4047	58.0	
2	32.469	32.489	-0.020	7745	60.0	
6 2-Amino-4,6-dinitrotoluene						
1	32.796	32.816	-0.020	6398	55.3	
12 2,6-Dinitrotoluene						
1	33.936	33.953	-0.017	4443	55.8	
23 2,4-Dinitrotoluene						
1	34.316	34.329	-0.013	7443	57.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	37.089	37.099	-0.010	3184	61.5	
15 p-Nitrotoluene						
1	38.276	38.309	-0.033	4023	60.6	
8 m-Nitrotoluene						
1	39.706	39.743	-0.037	4012	61.3	
21 PETN						
2	40.209	40.213	-0.004	5876	114.5	

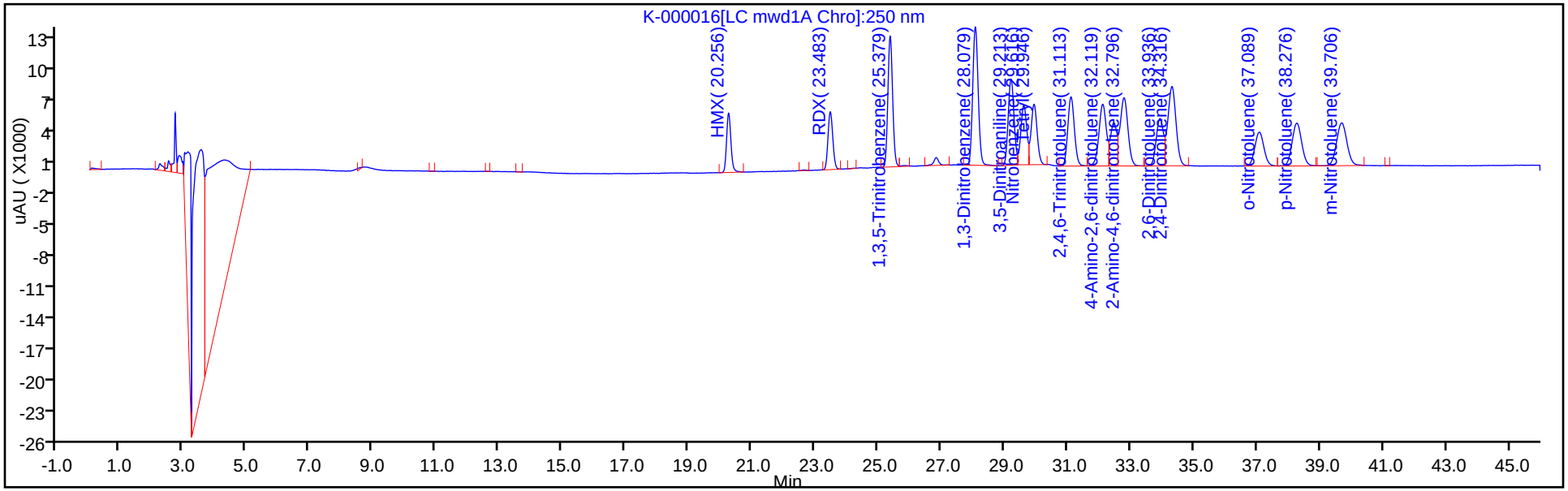
Report Date: 09-Apr-2013 09:48:36 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

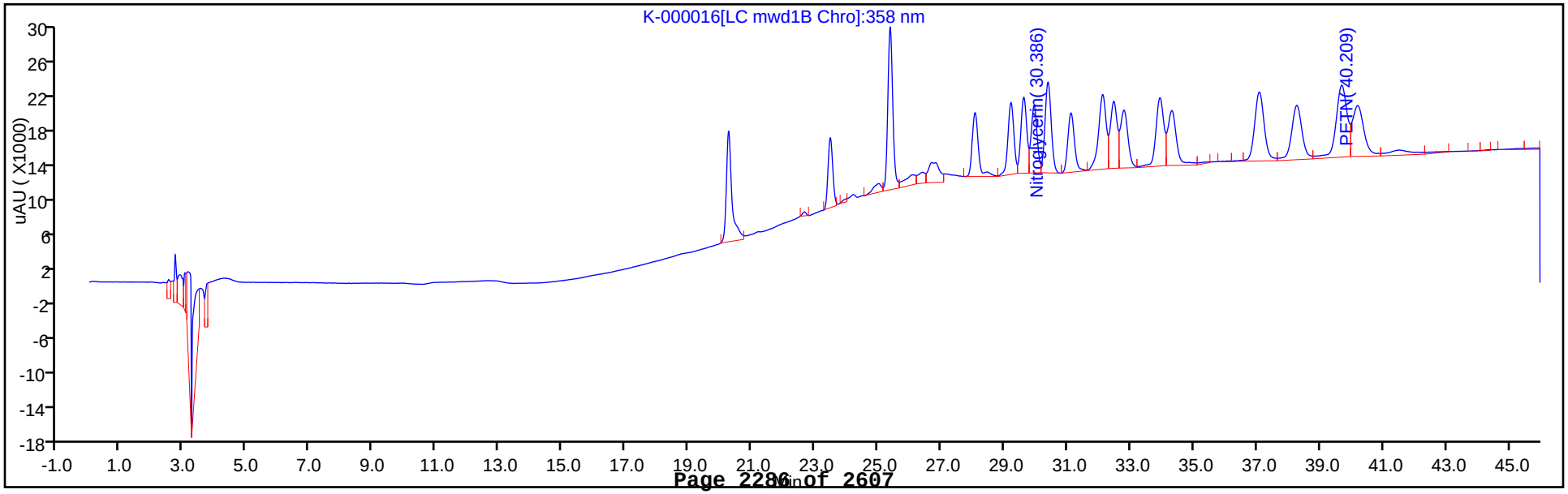
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Injection Date:	09-Apr-2013 06:03:44	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	16
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-13728/2-A

Matrix: Solid Lab File ID: K-000007.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 04/05/2013 12:21

Sample wt/vol: 10.00(g) Date Analyzed: 04/08/2013 21:29

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.443		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.445		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.456		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.458		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.448		0.25	0.050	0.0073
2691-41-0	HMX	0.471		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.457		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.912		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.491		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.486		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.485		0.25	0.050	0.018
78-11-5	PETN	0.912		0.50	0.25	0.025
121-82-4	RDX	0.466		0.25	0.050	0.012
479-45-8	Tetryl	0.372		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.460		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.400		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000007.D
Lims ID: LCS 320-13728/2-A Client ID:
Inject. Date: 08-Apr-2013 21:29:53 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0003758-007
Misc. Info.:
Operator: KR Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 13851 Lims Sample ID: 7

Method: \\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m
Last Update: 11-Apr-2013 13:03:29 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: russellk Date: 09-Apr-2013 09:42:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.260	20.270	-0.010	5541	58.8	
19 RDX						
1	23.487	23.486	0.001	5471	58.2	
27 1,3,5-Trinitrobenzene						
1	25.390	25.386	0.004	12375	57.4	
24 1,3-Dinitrobenzene						
1	28.093	28.096	-0.003	13043	57.0	
9 3,5-Dinitroaniline						
1	29.233	29.226	0.007	8123	54.0	
5 Nitrobenzene						
1	29.633	29.650	-0.017	5624	57.1	
20 Tetryl						
1	29.960	29.946	0.014	5711	46.5	
7 Nitroglycerin						
2	30.403	30.416	-0.013	10259	113.9	
25 2,4,6-Trinitrotoluene						
1	31.137	31.143	-0.006	6502	50.1	
26 4-Amino-2,6-dinitrotoluene						
1	32.153	32.150	0.003	5802	55.6	
$ 30 3,4-Dinitrotoluene						
1	32.500	32.496	0.004	4074	58.4	
2	32.497	32.500	-0.003	7832	60.7	
6 2-Amino-4,6-dinitrotoluene						
1	32.827	32.806	0.021	6413	55.4	
12 2,6-Dinitrotoluene						
1	33.970	33.973	-0.003	4465	56.0	
23 2,4-Dinitrotoluene						
1	34.353	34.346	0.007	7468	57.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	37.136	37.109	0.027	3181	61.4	
15 p-Nitrotoluene						
1	38.326	38.313	0.013	4027	60.6	
8 m-Nitrotoluene						
1	39.766	39.749	0.017	3974	60.7	
21 PETN						
2	40.260	40.269	-0.009	5853	114.0	

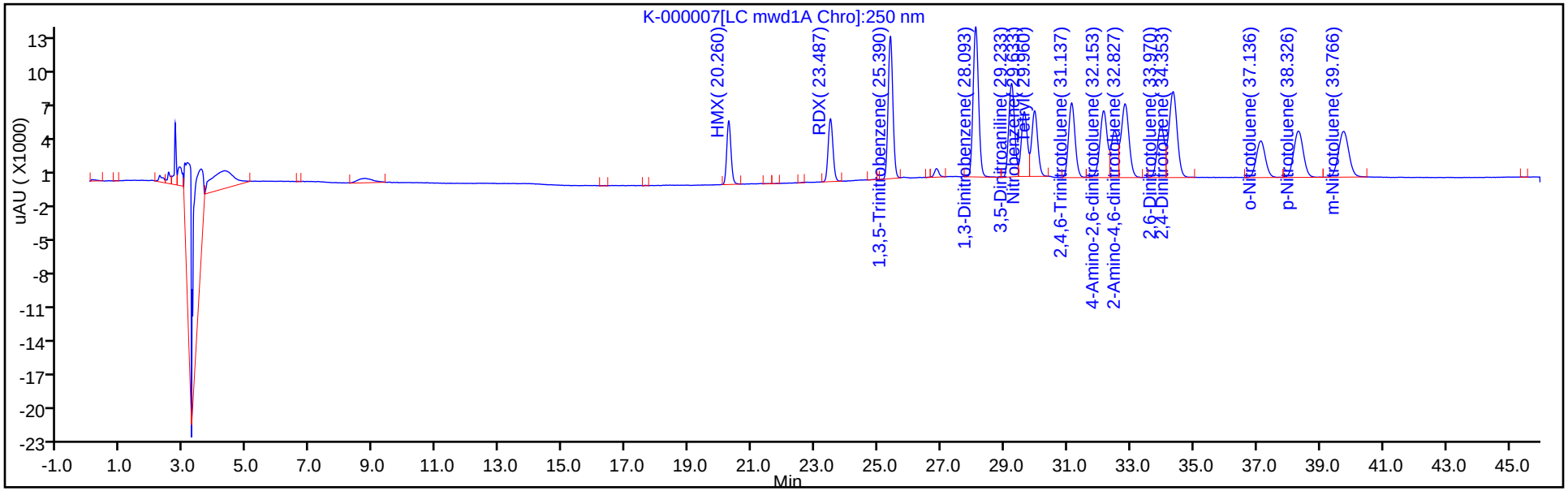
Report Date: 11-Apr-2013 13:03:29 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

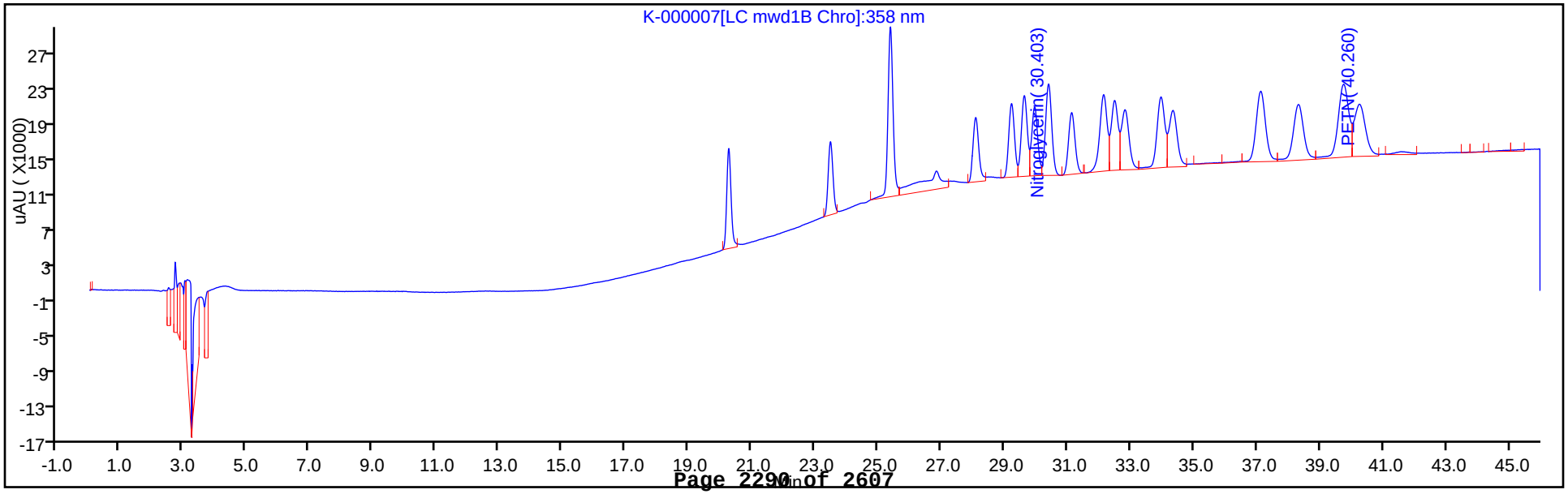
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000007.D

Injection Date:	08-Apr-2013 21:29:53	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	7
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO MS Lab Sample ID: 240-22488-5 MS

Matrix: Solid Lab File ID: K-000023.D

Analysis Method: 8330B Date Collected: 03/25/2013 17:35

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.08(g) Date Analyzed: 04/09/2013 12:43

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.435		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.421		0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.459		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.462		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.449		0.25	0.050	0.0072
2691-41-0	HMX	0.460		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.463		0.25	0.050	0.017
55-63-0	Nitroglycerin	0.921	M	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.489		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.495		0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.486		0.25	0.050	0.018
78-11-5	PETN	0.917		0.50	0.25	0.025
121-82-4	RDX	0.421		0.25	0.050	0.012
479-45-8	Tetryl	0.384		0.25	0.050	0.0099
99-35-4	1,3,5-Trinitrobenzene	0.502		0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.400		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000023.D		
Lims ID:	240-22488-F-5-B MS	Client ID:	
Inject. Date:	09-Apr-2013 12:43:16	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	320-0003758-022		
Misc. Info.:			
Operator:	KR	Instrument ID:	LC11
Injection Vol:	500.0 ul	ALS Bottle#:	26
Lims Batch ID:	13851	Lims Sample ID:	22
Method:	\\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m		
Last Update:	11-Apr-2013 13:23:50	Calib Date:	30-Apr-2012 21:31:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC11\20120531-303.b\M-009.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK003		
First Level Reviewer: russellk		Date:	09-Apr-2013 15:13:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.245	20.253	-0.008	5460	58.0	
19 RDX						
1	23.472	23.499	-0.027	4984	53.0	
27 1,3,5-Trinitrobenzene						
1	25.372	25.383	-0.011	13630	63.3	
24 1,3-Dinitrobenzene						
1	28.085	28.086	-0.001	13212	57.8	
9 3,5-Dinitroaniline						
1	29.222	29.236	-0.014	8041	53.4	
5 Nitrobenzene						
1	29.625	29.619	0.006	5739	58.3	
20 Tetryl						
1	29.955	29.953	0.002	5944	48.4	
7 Nitroglycerin						M
2	30.395	30.399	-0.004	10448	116.0	M
25 2,4,6-Trinitrotoluene						
1	31.125	31.129	-0.004	6543	50.4	
26 4-Amino-2,6-dinitrotoluene						
1	32.135	32.136	-0.001	5536	53.1	
$ 30 3,4-Dinitrotoluene						M
1	32.488	32.483	0.005	4077	58.4	
2	32.488	32.489	-0.001	8054	62.4	M
6 2-Amino-4,6-dinitrotoluene						
1	32.812	32.816	-0.004	6343	54.8	
12 2,6-Dinitrotoluene						
1	33.952	33.953	-0.001	4506	56.5	
23 2,4-Dinitrotoluene						
1	34.328	34.329	-0.001	7607	58.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	37.102	37.099	0.003	3192	61.6	
15 p-Nitrotoluene						
1	38.302	38.309	-0.007	4069	61.3	
8 m-Nitrotoluene						
1	39.722	39.743	-0.021	4078	62.3	
21 PETN						
2	40.232	40.213	0.019	5930	115.5	

QC Flag Legend

Review Flags
M - Manually Integrated

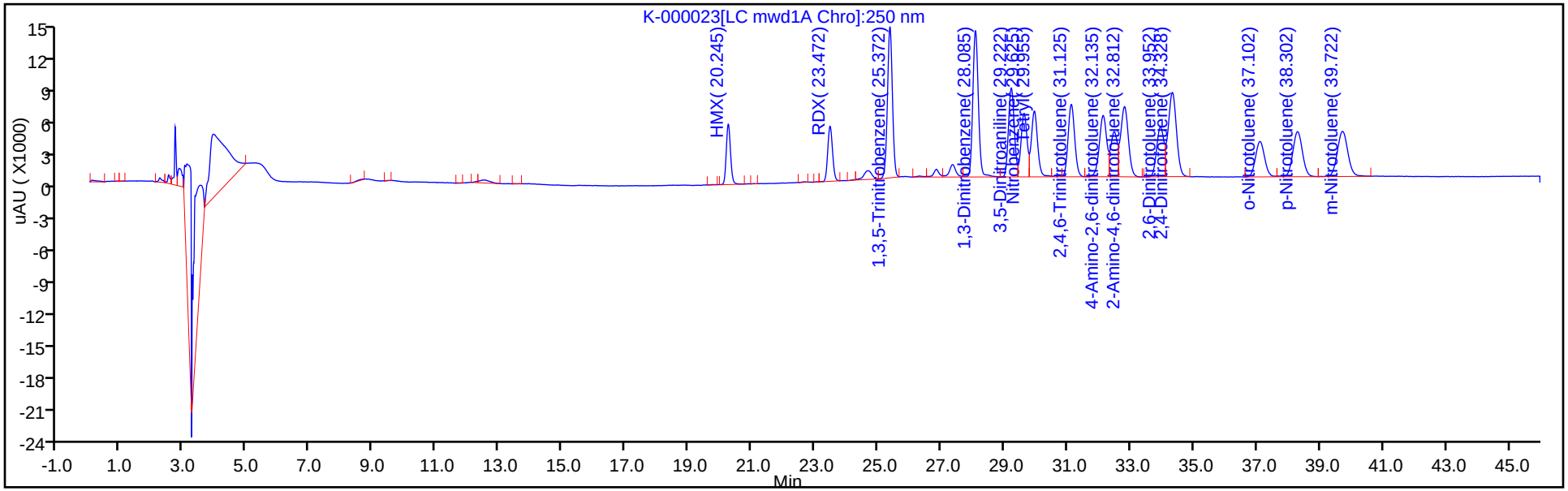
Report Date: 11-Apr-2013 13:23:50 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

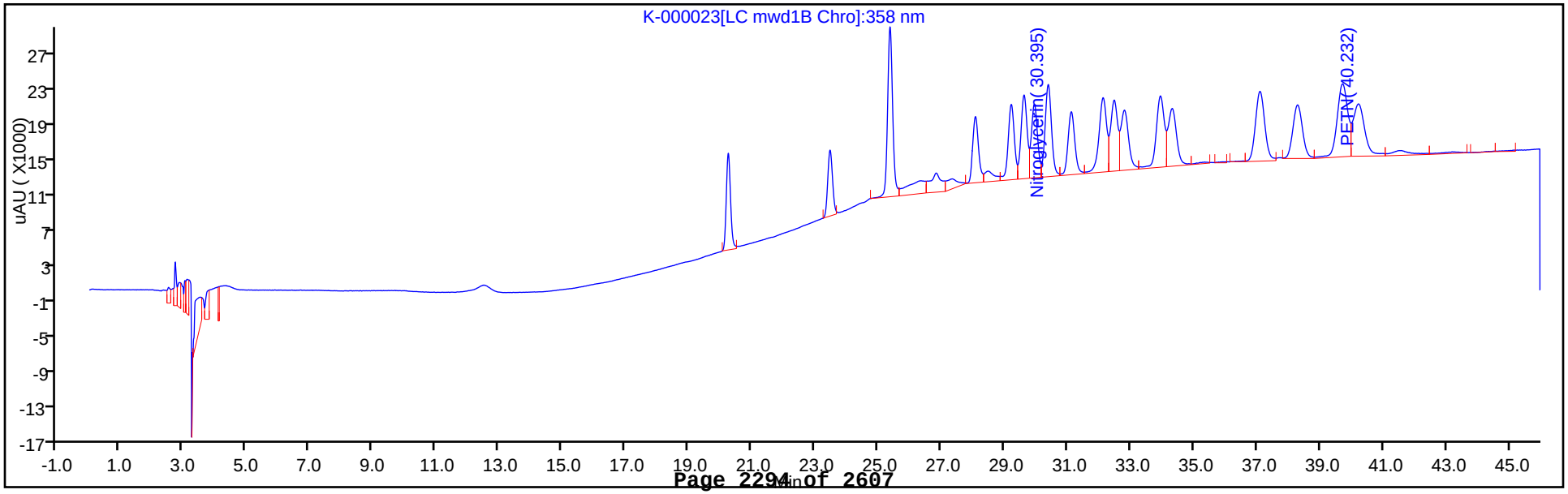
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Injection Date:	09-Apr-2013 12:43:16	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	22
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Report Date: 11-Apr-2013 13:23:50 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

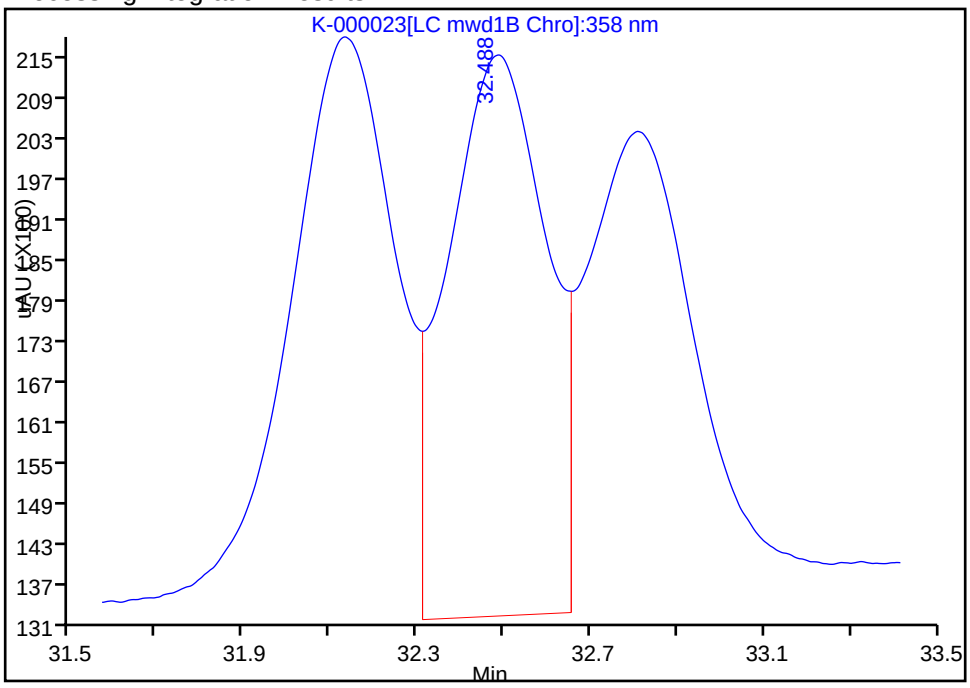
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000023.D		
Injection Date:	09-Apr-2013 12:43:16	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	22
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 32.49, Det: LC mwd1B

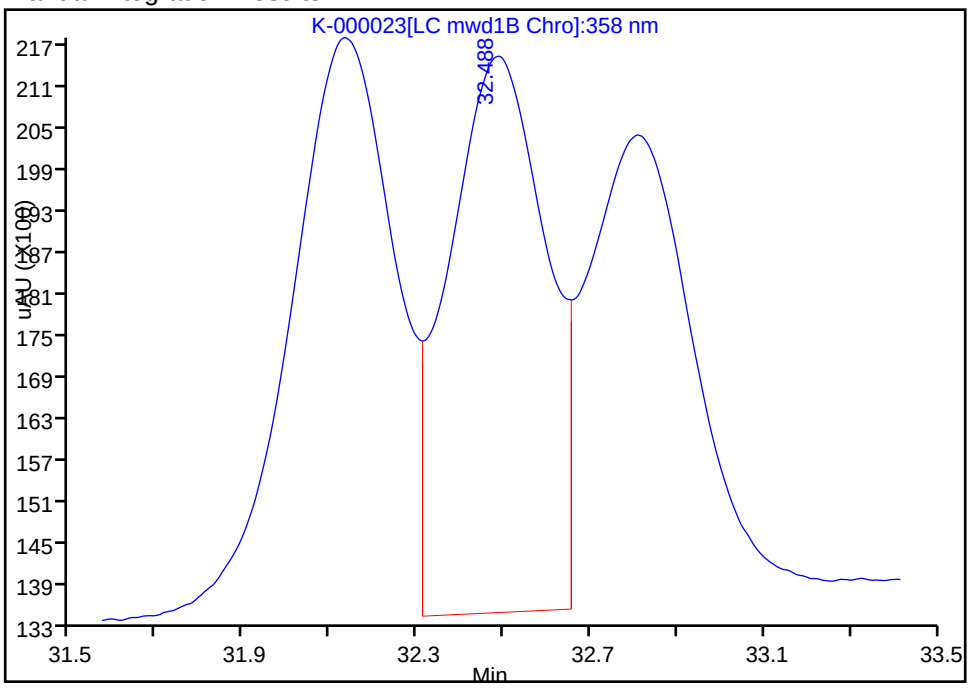
Processing Integration Results

RT: 32.49
Response: 8371
Amount: 64.836733



Manual Integration Results

RT: 32.49
Response: 8054
Amount: 62.381442



Reviewer: noonanr, 11-Apr-2013 13:23:50
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Report Date: 11-Apr-2013 13:23:50 Chrom Revision: 2.1 07-Apr-2013 20:36:54

Manual Integration/User Assign Peak Report

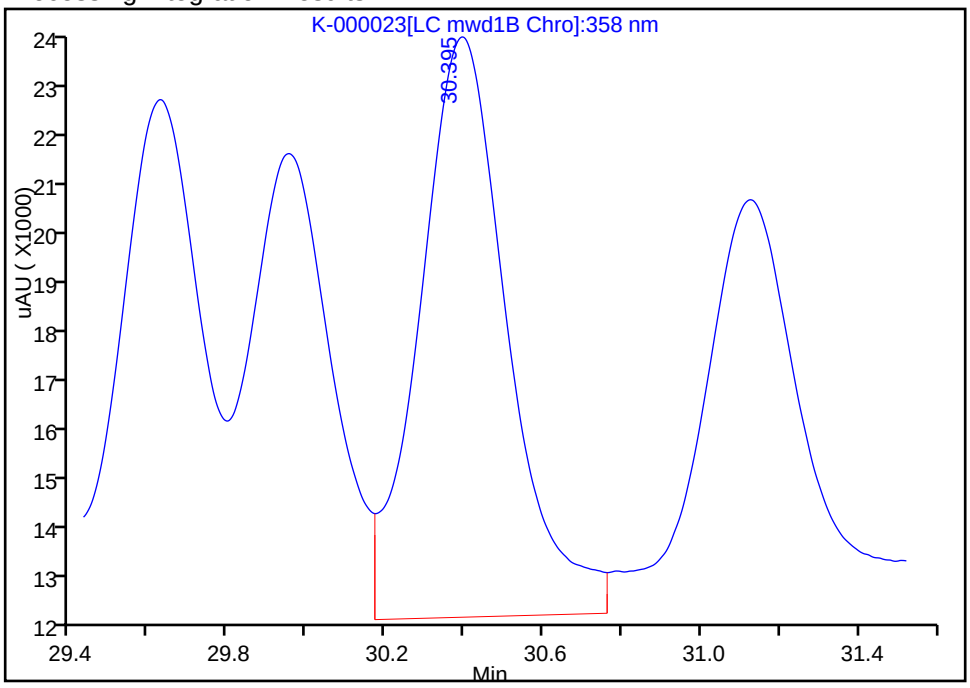
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000023.D		
Injection Date:	09-Apr-2013 12:43:16	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	22
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

7 Nitroglycerin, Signal: 1, Type: quant, RT: 30.40, Det: LC mwd1B

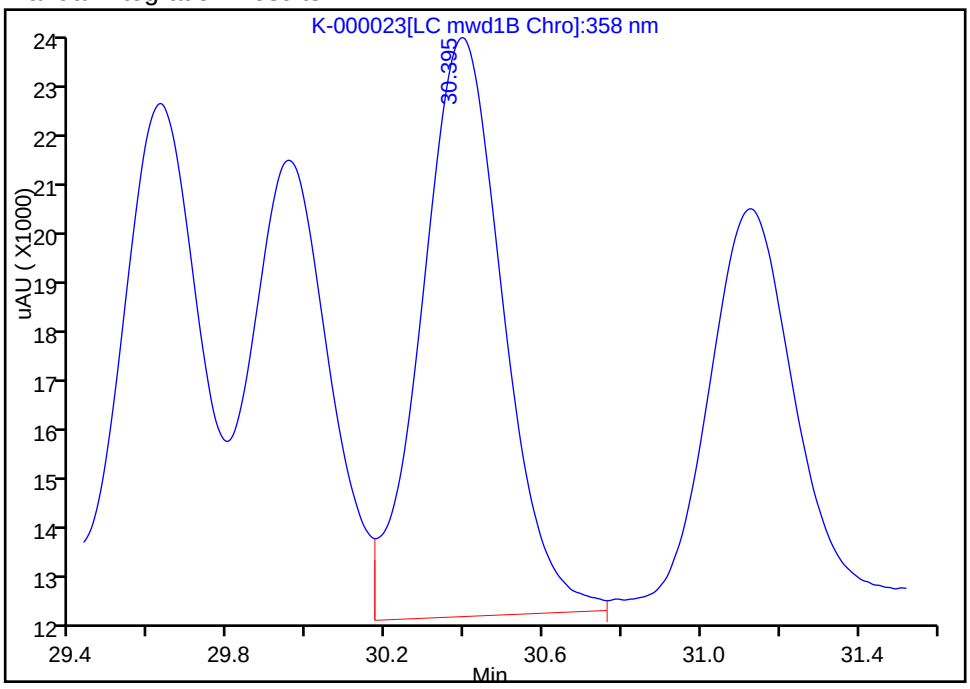
Processing Integration Results

RT: 30.40
Response: 11008
Amount: 122.2581



Manual Integration Results

RT: 30.40
Response: 10448
Amount: 116.0386



Reviewer: noonanr, 11-Apr-2013 13:23:50
Audit Action: Assigned New Baseline
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Client Sample ID: 079SB-0130M-0001-SO MSD Lab Sample ID: 240-22488-5 MSD

Matrix: Solid Lab File ID: K-000024.D

Analysis Method: 8330B Date Collected: 03/25/2013 17:35

Extraction Method: 8330B Date Extracted: 04/04/2013 09:31

Sample wt/vol: 10.04(g) Date Analyzed: 04/09/2013 13:40

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 13851 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.437		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.424		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.456		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.465		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.454		0.25	0.050	0.0073
2691-41-0	HMX	0.462		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.464		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.898	M	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.493		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.493		0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.490		0.25	0.050	0.018
78-11-5	PETN	0.908	M	0.50	0.25	0.025
121-82-4	RDX	0.419		0.25	0.050	0.012
479-45-8	Tetryl	0.384		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.505		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.401		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000024.D
Lims ID: 240-22488-F-5-C MSD Client ID:
Inject. Date: 09-Apr-2013 13:40:25 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0003758-023
Misc. Info.:
Operator: KR Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 27
Lims Batch ID: 13851 Lims Sample ID: 23

Method: \\SACChrom\ChromData\LC11\20130408-3758.b\8330 Metab LC11.m
Last Update: 11-Apr-2013 13:25:30 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: russellk Date: 09-Apr-2013 15:14:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.258	20.253	0.005	5458	57.9	
19 RDX						
1	23.482	23.499	-0.017	4944	52.6	
27 1,3,5-Trinitrobenzene						
1	25.378	25.383	-0.005	13643	63.3	
24 1,3-Dinitrobenzene						
1	28.085	28.086	-0.001	13091	57.3	
9 3,5-Dinitroaniline						
1	29.218	29.236	-0.018	8027	53.4	
5 Nitrobenzene						
1	29.625	29.619	0.006	5734	58.3	
20 Tetryl						
1	29.948	29.953	-0.005	5913	48.2	
7 Nitroglycerin						M
2	30.392	30.399	-0.007	10142	112.6	M
25 2,4,6-Trinitrotoluene						
1	31.122	31.129	-0.007	6542	50.4	
26 4-Amino-2,6-dinitrotoluene						
1	32.132	32.136	-0.004	5554	53.2	
$ 30 3,4-Dinitrotoluene						M
1	32.485	32.483	0.002	4071	58.3	
2	32.482	32.489	-0.007	7982	61.8	M
6 2-Amino-4,6-dinitrotoluene						
1	32.805	32.816	-0.011	6348	54.9	
12 2,6-Dinitrotoluene						
1	33.952	33.953	-0.001	4536	56.9	
23 2,4-Dinitrotoluene						
1	34.328	34.329	-0.001	7623	58.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	37.112	37.099	0.013	3204	61.8	
15 p-Nitrotoluene						
1	38.305	38.309	-0.004	4087	61.5	
8 m-Nitrotoluene						
1	39.738	39.743	-0.005	4045	61.8	
21 PETN						M
2	40.232	40.213	0.019	5850	114.0	M

QC Flag Legend

Review Flags
M - Manually Integrated

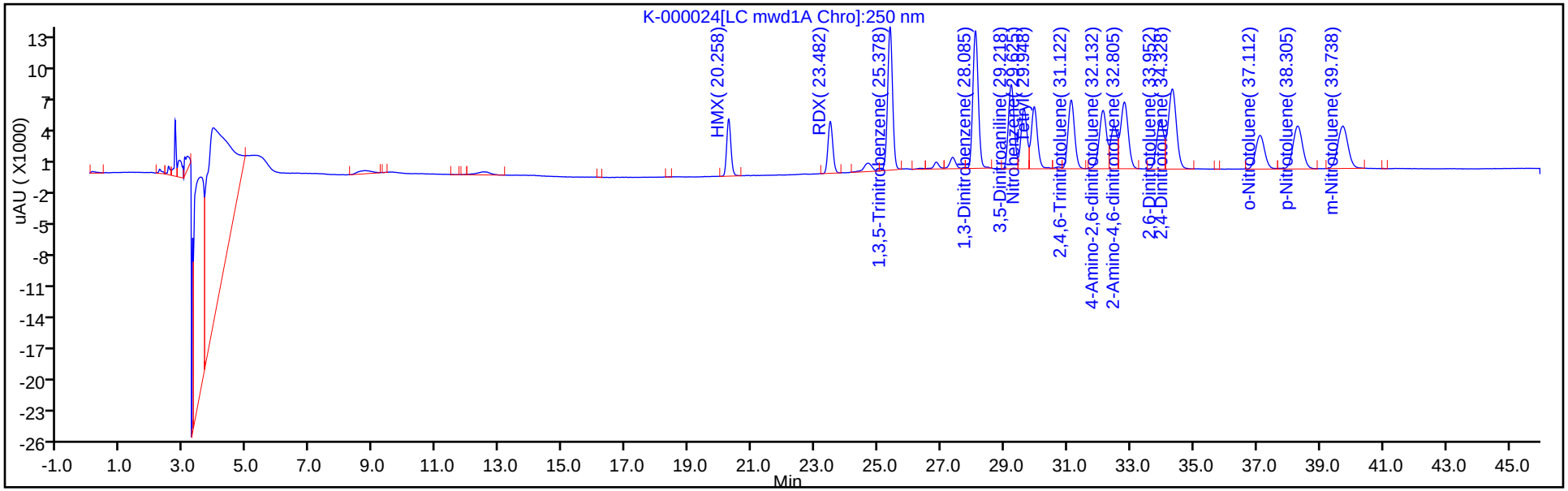
Report Date: 11-Apr-2013 13:25:31 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

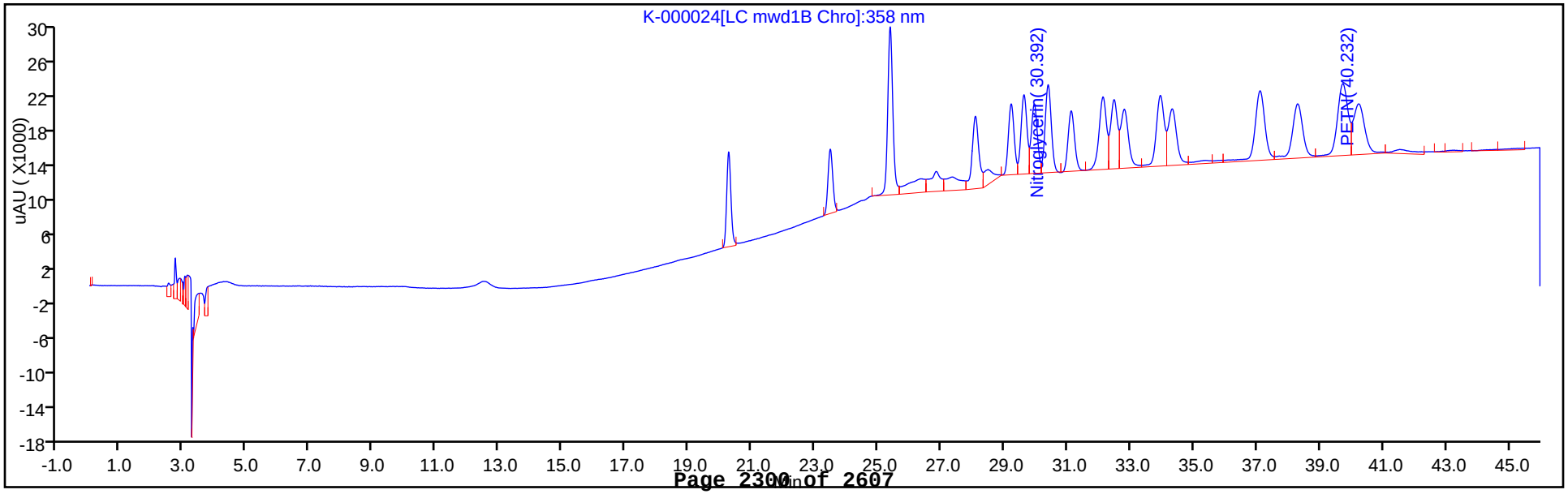
Data File: \\SACChrom\ChromData\LC11\20130408-3758.b\K-000024.D

Injection Date:	09-Apr-2013 13:40:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	23
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



Manual Integration/User Assign Peak Report

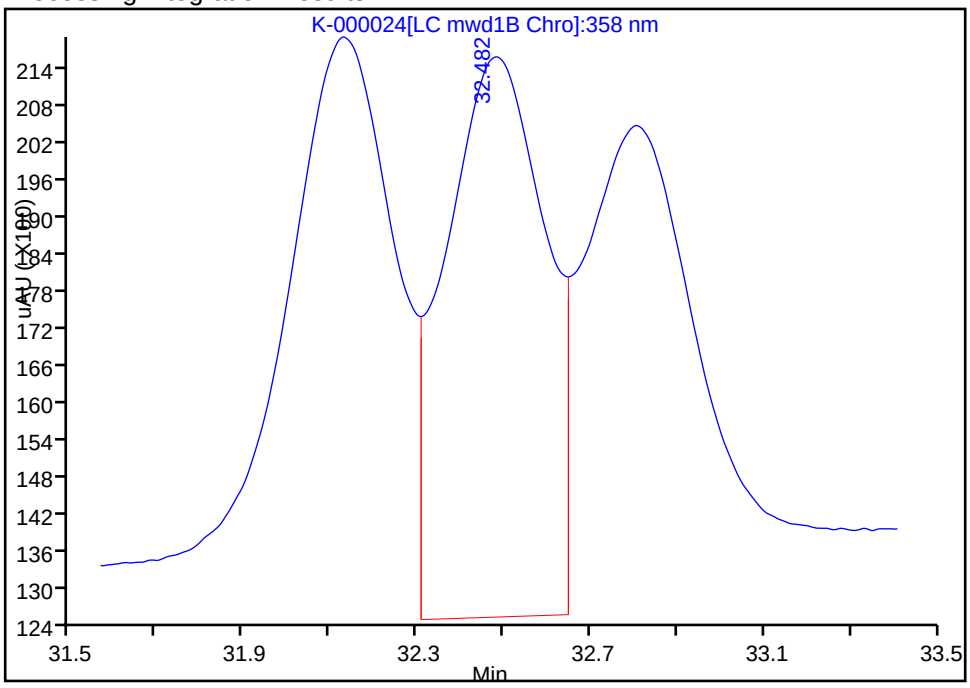
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000024.D		
Injection Date:	09-Apr-2013 13:40:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	23
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 32.49, Det: LC mwd1B

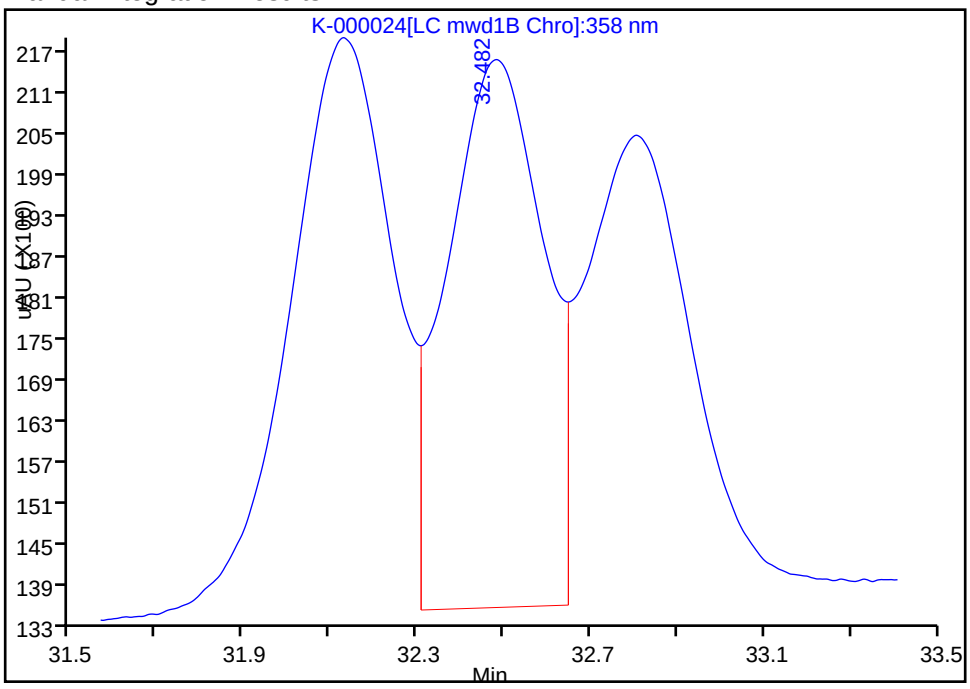
Processing Integration Results

RT: 32.48
Response: 8993
Amount: 69.654371



Manual Integration Results

RT: 32.48
Response: 7982
Amount: 61.823773



Reviewer: noonanr, 11-Apr-2013 13:25:30
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

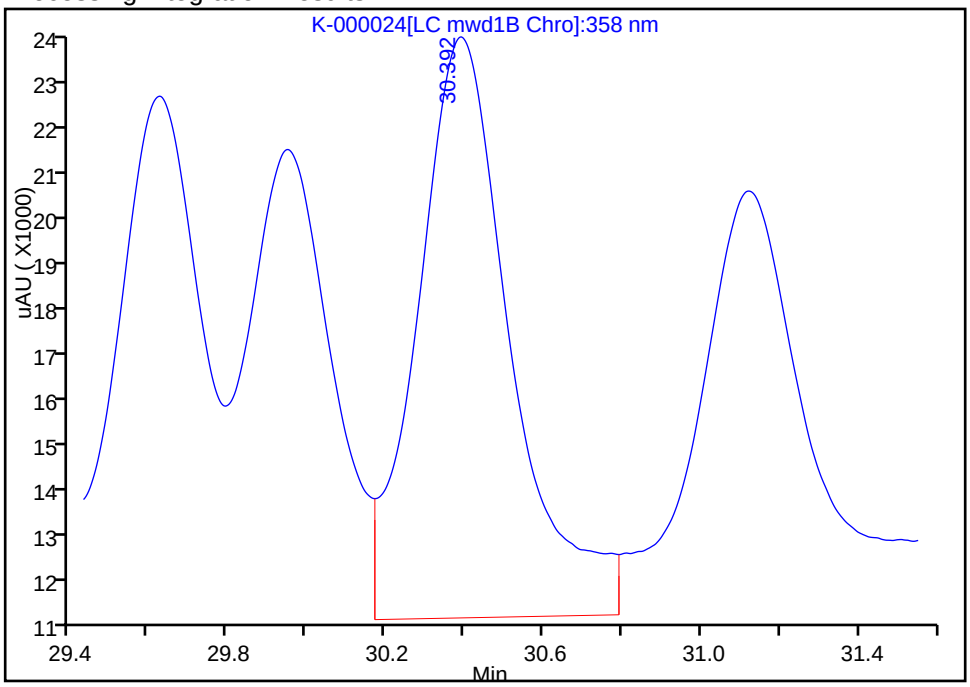
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000024.D		
Injection Date:	09-Apr-2013 13:40:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	23
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

7 Nitroglycerin, Signal: 1, Type: quant, RT: 30.40, Det: LC mwd1B

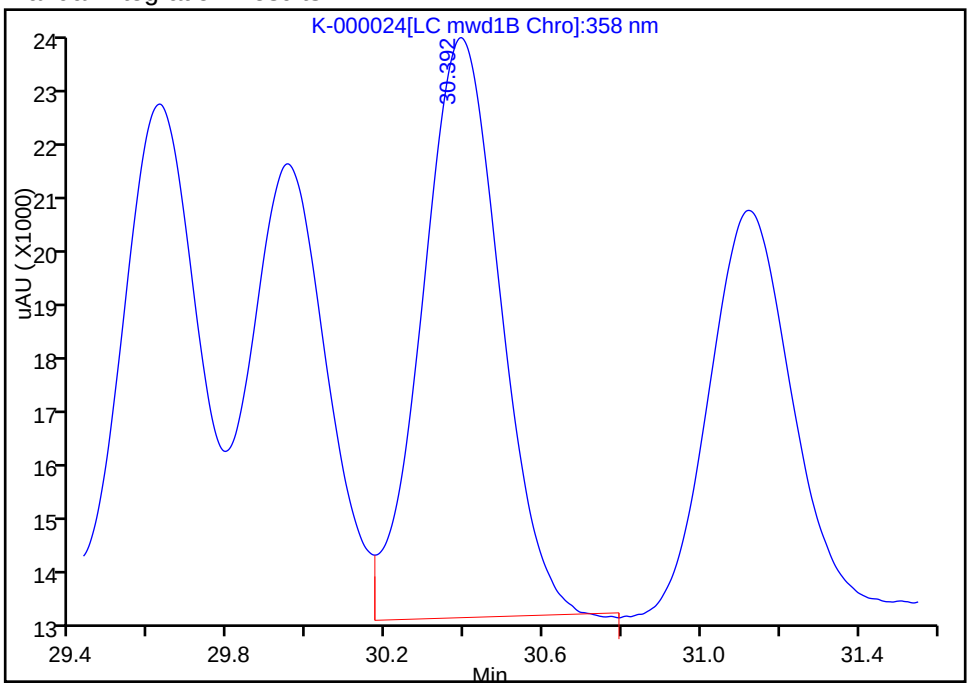
Processing Integration Results

RT: 30.39
Response: 11386
Amount: 126.4563



Manual Integration Results

RT: 30.39
Response: 10142
Amount: 112.6401



Reviewer: noonanr, 11-Apr-2013 13:25:30
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

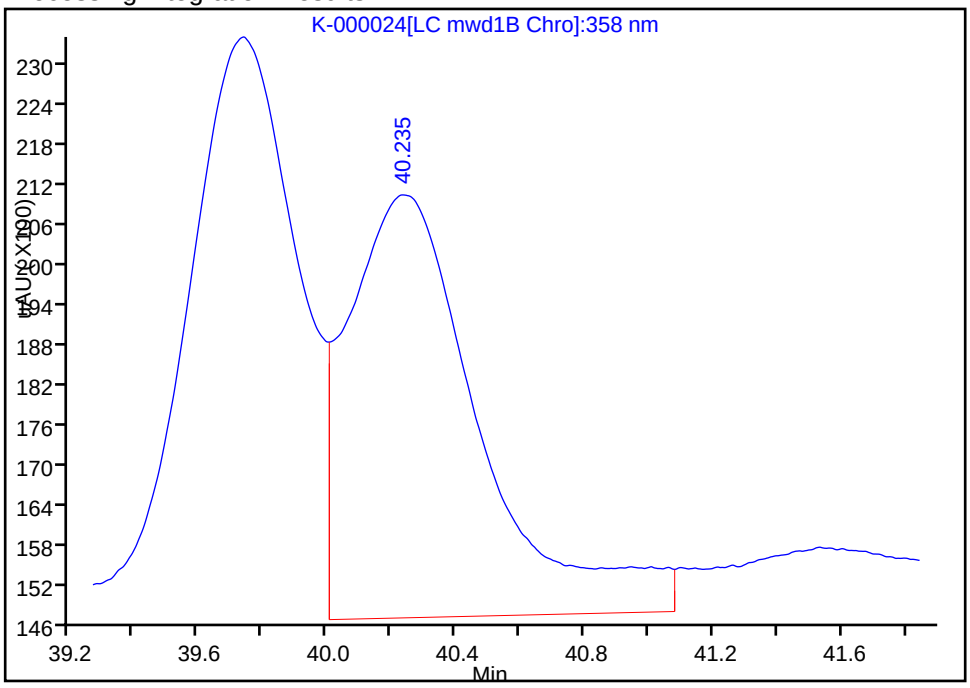
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC11\20130408-3758.b\K-000024.D		
Injection Date:	09-Apr-2013 13:40:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC11
Lims Batch ID:	13851	Lims Sample ID:	23
Operator ID:	KR	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 40.21, Det: LC mwd1B

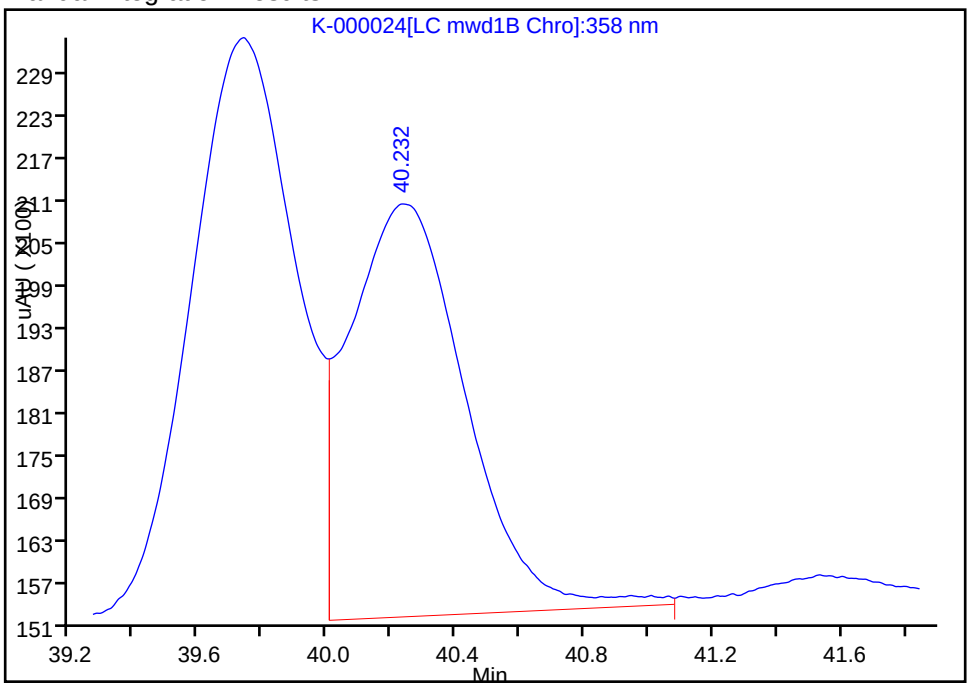
Processing Integration Results

RT: 40.23
Response: 6308
Amount: 122.9047



Manual Integration Results

RT: 40.23
Response: 5850
Amount: 113.9810



Reviewer: noonanr, 11-Apr-2013 13:25:30
Audit Action: Assigned New Baseline
Audit Reason: Baseline

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC11 Start Date: 04/30/2012 13:54

Analysis Batch Number: 1385 End Date: 05/01/2012 10:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/30/2012 13:54	1		
STD01 320-1385/2 IC		04/30/2012 14:52	1	M-002.D	
STD02 320-1385/3 IC		04/30/2012 15:49	1	M-003.D	
STD03 320-1385/4 IC		04/30/2012 16:46	1	M-004.D	
STD04 320-1385/5 IC		04/30/2012 17:43	1	M-005.D	
STD05 320-1385/6 IC		04/30/2012 18:40	1	M-006.D	
STD06 320-1385/7 IC		04/30/2012 19:37	1	M-007.D	
STD07 320-1385/8 IC		04/30/2012 20:34	1	M-008.D	
STD08 320-1385/9 IC		04/30/2012 21:31	1	M-009.D	
ZZZZZ		04/30/2012 22:28	1		
LODV 320-1385/11		04/30/2012 23:25	1	M-011.D	
LODV 320-1385/12		05/01/2012 00:22	1	M-012.D	
ICV 320-1385/13		05/01/2012 10:50	1	I-003.D	

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC11 Start Date: 04/08/2013 17:41

Analysis Batch Number: 13851 End Date: 04/10/2013 12:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-13851/3 CCVRT		04/08/2013 17:41	1	K-000003.D	Synergi C18 4.6(mm)
CCVL 320-13851/4		04/08/2013 18:39	1	K-000004.D	Synergi C18 4.6(mm)
MB 320-13728/1-A		04/08/2013 20:32	1	K-000006.D	Synergi C18 4.6(mm)
LCS 320-13728/2-A		04/08/2013 21:29	1	K-000007.D	Synergi C18 4.6(mm)
ZZZZZ		04/08/2013 22:26	1		Synergi C18 4.6(mm)
ZZZZZ		04/08/2013 23:23	1		Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 00:20	1		Synergi C18 4.6(mm)
240-22488-7	079SB-0132M-0001-SO	04/09/2013 01:17	1	K-000011.D	Synergi C18 4.6(mm)
240-22488-23	079SS-0053M-0001-SO	04/09/2013 02:15	1	K-000012.D	Synergi C18 4.6(mm)
MB 320-13607/1-A		04/09/2013 03:12	1	K-000013.D	Synergi C18 4.6(mm)
CCV 320-13851/14 CCVRT		04/09/2013 04:09	1	K-000014.D	Synergi C18 4.6(mm)
CCVL 320-13851/15		04/09/2013 05:06	1	K-000015.D	Synergi C18 4.6(mm)
LCS 320-13607/2-A		04/09/2013 06:03	1	K-000016.D	Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 07:00	1		Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 07:57	1		Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 09:51	1		Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 10:49	1		Synergi C18 4.6(mm)
240-22488-5	079SB-0130M-0001-SO	04/09/2013 11:46	1	K-000022.D	Synergi C18 4.6(mm)
240-22488-5 MS	079SB-0130M-0001-SO MS	04/09/2013 12:43	1	K-000023.D	Synergi C18 4.6(mm)
240-22488-5 MSD	079SB-0130M-0001-SO MSD	04/09/2013 13:40	1	K-000024.D	Synergi C18 4.6(mm)
CCV 320-13851/25 CCVRT		04/09/2013 14:37	1	K-000025.D	Synergi C18 4.6(mm)
CCVL 320-13851/26		04/09/2013 15:34	1	K-000026.D	Synergi C18 4.6(mm)
240-22488-11	079SB-0136M-0001-SO	04/09/2013 16:31	1	K-000027.D	Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 17:28	1		Synergi C18 4.6(mm)
240-22488-18	079SB-0144M-0001-SO	04/09/2013 18:25	1	K-000029.D	Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 19:22	1		Synergi C18 4.6(mm)
ZZZZZ		04/09/2013 20:19	1		Synergi C18 4.6(mm)
CCV 320-13851/36 CCVRT		04/10/2013 01:04	1	K-000036.D	Synergi C18 4.6(mm)
CCVL 320-13851/37		04/10/2013 02:01	1	K-000037.D	Synergi C18 4.6(mm)
CCV 320-13851/46 CCVRT		04/10/2013 11:33	1		Synergi C18 4.6(mm)
CCVL 320-13851/47		04/10/2013 12:30	1		Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC12 Start Date: 02/13/2013 16:11

Analysis Batch Number: 10422 End Date: 02/14/2013 04:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/13/2013 16:11	1		Zorbax CN 4.6(mm)
STD01 320-10422/2 IC		02/13/2013 17:16	1	M000003.D	Zorbax CN 4.6(mm)
STD02 320-10422/3 IC		02/13/2013 18:22	1	M000004.D	Zorbax CN 4.6(mm)
STD03 320-10422/4 IC		02/13/2013 19:27	1	M000005.D	Zorbax CN 4.6(mm)
STD04 320-10422/5 IC		02/13/2013 20:32	1	M000006.D	Zorbax CN 4.6(mm)
STD05 320-10422/6 IC		02/13/2013 21:38	1	M000007.D	Zorbax CN 4.6(mm)
STD06 320-10422/7 IC		02/13/2013 22:43	1	M000008.D	Zorbax CN 4.6(mm)
STD07 320-10422/8 IC		02/13/2013 23:49	1	M000009.D	Zorbax CN 4.6(mm)
STD08 320-10422/9 IC		02/14/2013 00:54	1	M000010.D	Zorbax CN 4.6(mm)
ZZZZZ		02/14/2013 02:00	1		Zorbax CN 4.6(mm)
ICV 320-10422/11		02/14/2013 03:05	1	M000012.D	Zorbax CN 4.6(mm)
LODV 320-10422/12		02/14/2013 04:11	1	M000013.D	Zorbax CN 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: LC12 Start Date: 04/18/2013 06:36

Analysis Batch Number: 14569 End Date: 04/19/2013 05:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-14569/41 CCVRT		04/18/2013 06:36	1	P000047.D	Zorbax CN 4.6(mm)
CCVL 320-14569/46		04/18/2013 07:42	1	P000048.D	Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 09:54	1		Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 11:00	1		Zorbax CN 4.6(mm)
MB 320-13728/1-A		04/18/2013 12:07	1	P000052.D	Zorbax CN 4.6(mm)
240-22488-7	079SB-0132M-0001-SO	04/18/2013 13:13	1	P000053.D	Zorbax CN 4.6(mm)
240-22488-23	079SS-0053M-0001-SO	04/18/2013 14:19	1	P000054.D	Zorbax CN 4.6(mm)
MB 320-13607/1-A		04/18/2013 15:25	1	P000055.D	Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 16:31	1		Zorbax CN 4.6(mm)
CCV 320-14569/43 CCVRT		04/18/2013 17:37	1	P000057.D	Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 18:43	1		Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 19:49	1		Zorbax CN 4.6(mm)
ZZZZZ		04/18/2013 20:55	1		Zorbax CN 4.6(mm)
240-22488-5	079SB-0130M-0001-SO	04/18/2013 22:01	1	P000061.D	Zorbax CN 4.6(mm)
240-22488-11	079SB-0136M-0001-SO	04/18/2013 23:07	1	P000062.D	Zorbax CN 4.6(mm)
240-22488-18	079SB-0144M-0001-SO	04/19/2013 00:14	1	P000063.D	Zorbax CN 4.6(mm)
ZZZZZ		04/19/2013 01:20	1		Zorbax CN 4.6(mm)
ZZZZZ		04/19/2013 02:26	1		Zorbax CN 4.6(mm)
ZZZZZ		04/19/2013 03:32	1		Zorbax CN 4.6(mm)
CCVL 320-14569/63		04/19/2013 04:38	1	P000067.D	Zorbax CN 4.6(mm)
CCV 320-14569/64 CCVRT		04/19/2013 05:44	1	P000068.D	Zorbax CN 4.6(mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13607 Batch Start Date: 04/04/13 09:31 Batch Analyst: Arauz, Horacio

Batch Method: 8330B Batch End Date: 04/08/13 07:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00012	HP8330SP 00013	HPNGPETNSP 00004	
MB 320-13607/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-13607/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-22488-F-5	079SB-0130M-0001-SO	8330B, 8330B	T	10.10 g	80 mL	100 uL			
240-22488-F-5 MS	079SB-0130M-0001-SO	8330B, 8330B	T	10.08 g	80 mL	100 uL	100 uL	200 uL	
240-22488-F-5 MSD	079SB-0130M-0001-SO	8330B, 8330B	T	10.04 g	80 mL	100 uL	100 uL	200 uL	
240-22488-F-11	079SB-0136M-0001-SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-22488-F-18	079SB-0144M-0001-SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Date of Clean up	4/8/13
Analyst performed Clean Up	TP
Date Dilution Performed	4/8/13
Analytst performing Dilution	GB
Filter Lot #	R2SA72748
Filter Type	.45um Millipore
Minumum Temperature	11
Blank Sand Lot #	FISHER 120571
Solvent Lot #	4515-025A
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	4/4/13 11:35
Sonication Stop Time	4/5/13 5:35
SOP Number	WS-LC-0009
Maximum Temperature	21

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.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13607 Batch Start Date: 04/04/13 09:31 Batch Analyst: Arauz, Horacio

Batch Method: 8330B Batch End Date: 04/08/13 07:30

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.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13728 Batch Start Date: 04/05/13 12:21 Batch Analyst: Arauz, Horacio

Batch Method: 8330B Batch End Date: 04/08/13 09:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00012	HP8330SP 00013	HPNGPETNSP 00004	
MB 320-13728/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-13728/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-22488-F-7	079SB-0132M-0001 -SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-22488-F-23	079SS-0053M-0001 -SO	8330B, 8330B	T	10.10 g	80 mL	100 uL			

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Person's name who did the concentration	GB
Date of Clean up	4/8/13
Analyst performed Clean Up	GB
Date Dilution Performed	4/8/13
Analytst performing Dilution	GB
Date Sample was Dried	4-4-13
Filter Lot #	R2SA72748
Filter Type	.45um Millipore
Date Sample was Ground	4-5-13
Minumum Temperature	11
Person's name who witnessed reagent drop	JER
Blank Sand Lot #	FISHER 120571
Solvent Lot #	4515-025A
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	4/5/13 13:00
Sonication Stop Time	4/8/13 7:00
SOP Number	WS-LC-0009
Maximum Temperature	21

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.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13728 Batch Start Date: 04/05/13 12:21 Batch Analyst: Arauz, Horacio

Batch Method: 8330B Batch End Date: 04/08/13 09:50

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.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SB-0126M-0001-SO	240-22488-1
079SB-0127M-0001-SO	240-22488-2
079SB-0128M-0001-SO	240-22488-3
079SB-0129M-0001-SO	240-22488-4
079SB-0130M-0001-SO	240-22488-5
079SB-0131M-0001-SO	240-22488-6
079SB-0132M-0001-SO	240-22488-7
079SB-0133M-0001-SO	240-22488-8
079SB-0134M-0001-SO	240-22488-9
079SB-0135M-0001-SO	240-22488-10
079SB-0136M-0001-SO	240-22488-11
079SB-0137M-0001-SO	240-22488-12
079SB-0138M-0001-SO	240-22488-13
079SB-0139M-0001-SO	240-22488-14
079SB-0141M-0001-SO	240-22488-15
079SB-0142M-0001-SO	240-22488-16
079SB-0143M-0001-SO	240-22488-17
079SB-0144M-0001-SO	240-22488-18
079SB-0145M-0001-SO	240-22488-19
079SB-0146M-0001-SO	240-22488-20
079SB-0147M-0001-SO	240-22488-21
079SB-0148M-0001-SO	240-22488-22
079SS-0053M-0001-SO	240-22488-23
079SS-0054M-0001-SO	240-22488-24

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22488-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SB-0126M-0001-SO	240-22488-1
079SB-0127M-0001-SO	240-22488-2
079SB-0128M-0001-SO	240-22488-3
079SB-0129M-0001-SO	240-22488-4
079SB-0130M-0001-SO	240-22488-5
079SB-0131M-0001-SO	240-22488-6
079SB-0132M-0001-SO	240-22488-7
079SB-0133M-0001-SO	240-22488-8
079SB-0134M-0001-SO	240-22488-9
079SB-0135M-0001-SO	240-22488-10
079SB-0136M-0001-SO	240-22488-11
079SB-0137M-0001-SO	240-22488-12
079SB-0138M-0001-SO	240-22488-13
079SB-0139M-0001-SO	240-22488-14
079SB-0141M-0001-SO	240-22488-15
079SB-0142M-0001-SO	240-22488-16
079SB-0143M-0001-SO	240-22488-17
079SB-0144M-0001-SO	240-22488-18
079SB-0145M-0001-SO	240-22488-19
079SB-0146M-0001-SO	240-22488-20
079SB-0147M-0001-SO	240-22488-21
079SB-0148M-0001-SO	240-22488-22
079SS-0053M-0001-SO	240-22488-23
079SS-0054M-0001-SO	240-22488-24

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0126M-0001-SO
Lab Sample ID: 240-22488-1
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:28
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.030	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0127M-0001-SO
Lab Sample ID: 240-22488-2
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:28
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.040	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0128M-0001-SO
Lab Sample ID: 240-22488-3
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:20
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0129M-0001-SO
Lab Sample ID: 240-22488-4
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:25
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.031	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0130M-0001-SO
Lab Sample ID: 240-22488-5
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:35
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.057	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0131M-0001-SO
Lab Sample ID: 240-22488-6
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:58
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.046	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0132M-0001-SO
Lab Sample ID: 240-22488-7
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:52
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.047	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0133M-0001-SO
Lab Sample ID: 240-22488-8
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:10
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.019	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0134M-0001-SO
Lab Sample ID: 240-22488-9
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.050	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0135M-0001-SO
Lab Sample ID: 240-22488-10
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:32
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.039	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0136M-0001-SO
Lab Sample ID: 240-22488-11
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:31
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.017	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0137M-0001-SO
Lab Sample ID: 240-22488-12
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:01
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.026	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0138M-0001-SO
Lab Sample ID: 240-22488-13
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.041	0.091	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0139M-0001-SO
Lab Sample ID: 240-22488-14
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:29
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.052	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0141M-0001-SO
Lab Sample ID: 240-22488-15
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:12
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.048	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0142M-0001-SO
Lab Sample ID: 240-22488-16
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.029	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0143M-0001-SO
Lab Sample ID: 240-22488-17
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0144M-0001-SO
Lab Sample ID: 240-22488-18
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:37
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.045	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0145M-0001-SO
Lab Sample ID: 240-22488-19
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:15
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.036	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0146M-0001-SO
Lab Sample ID: 240-22488-20
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 11:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.034	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0147M-0001-SO
Lab Sample ID: 240-22488-21
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 11:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.040	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0148M-0001-SO
Lab Sample ID: 240-22488-22
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 12:10
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0053M-0001-SO
Lab Sample ID: 240-22488-23
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.038	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0054M-0001-SO
Lab Sample ID: 240-22488-24
Lab Name: TestAmerica Canton
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:08
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.051	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0126M-0001-SO
Lab Sample ID: 240-22488-1
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:28
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.034	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.0	0.59	0.28	mg/Kg		J	1	6020/DOD
Arsenic	8.1	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	65	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	700	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.12	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.8	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	15	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	23000	5.0	2.0	1.1	mg/Kg		J	1	6020/DOD
Magnesium	2200	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	350	0.50	0.030	0.016	mg/Kg		Q J	1	6020/DOD
Sodium	38	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	20	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.099	0.030	0.015	mg/Kg		Q J	1	6020/DOD
Antimony	0.13	0.20	0.099	0.045	mg/Kg	J	J	1	6020/DOD
Thallium	0.13	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	17	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	44	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	760	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.37	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0127M-0001-SO
Lab Sample ID: 240-22488-2
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:28
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.036	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	8.6	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	62	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.56	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	680	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.13	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	9.1	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	16	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	24000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2200	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	340	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	39	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	18	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.13	0.20	0.098	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.14	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	18	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	45	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	760	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.30	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0128M-0001-SO
Lab Sample ID: 240-22488-3
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:20
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9700	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	72	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.63	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	5900	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.25	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	8.4	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	17	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	23000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2600	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	440	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	70	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	19	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	36	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	7.4	0.20	0.098	0.045	mg/Kg			1	6020/DOD
Thallium	0.13	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	53	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	820	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.34	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0129M-0001-SO
Lab Sample ID: 240-22488-4
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:25
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.043	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	9.8	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	67	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.56	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	670	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.12	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	15	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	14	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	26000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2200	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	640	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	45	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	17	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	15	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	21	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	42	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	780	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.32	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0130M-0001-SO
Lab Sample ID: 240-22488-5
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:35
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	10	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	52	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	730	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.12	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	10	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	16	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	26000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2200	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	340	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	40	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	18	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	13	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.21	0.20	0.099	0.045	mg/Kg			1	6020/DOD
Thallium	0.13	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	43	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	770	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.20	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0131M-0001-SO
Lab Sample ID: 240-22488-6
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:58
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.040	0.095	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	9.1	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	75	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.58	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	1000	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	8.0	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	16	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	24000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2300	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	470	0.48	0.029	0.015	mg/Kg		Q	1	6020/DOD
Sodium	37	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	19	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.095	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.63	0.19	0.095	0.044	mg/Kg			1	6020/DOD
Thallium	0.15	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	20	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	45	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	680	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.25	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0132M-0001-SO
Lab Sample ID: 240-22488-7
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:52
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.028	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	13000	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	9.6	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	84	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.60	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	770	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.13	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	9.3	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	24000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2900	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	220	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	39	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	24	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.053	0.20	0.10	0.046	mg/Kg	J		1	6020/DOD
Thallium	0.15	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	45	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	950	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.25	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0133M-0001-SO
Lab Sample ID: 240-22488-8
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:10
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.026	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	7500	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	4.5	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	41	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.43	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	500	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.1	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	11	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	21000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	1700	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	440	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	32	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	21	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	9.2	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.045	0.20	0.099	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.098	0.099	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	14	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	43	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	720	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.17	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0134M-0001-SO
Lab Sample ID: 240-22488-9
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.041	0.097	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.58	0.28	mg/Kg			1	6020/DOD
Arsenic	7.8	0.097	0.049	0.018	mg/Kg			1	6020/DOD
Barium	67	0.97	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.54	0.097	0.0097	0.0073	mg/Kg			1	6020/DOD
Calcium	1200	9.7	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.097	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.19	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	8.6	0.049	0.0097	0.0023	mg/Kg		Q	1	6020/DOD
Copper	14	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	22000	4.9	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2200	9.7	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	450	0.49	0.029	0.015	mg/Kg		Q	1	6020/DOD
Sodium	40	9.7	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	18	0.097	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.097	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.097	0.19	0.097	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.097	0.019	0.0099	mg/Kg			1	6020/DOD
Vanadium	20	0.097	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	44	0.49	0.19	0.063	mg/Kg		Q	1	6020/DOD
Potassium	730	9.7	5.8	3.1	mg/Kg			1	6020/DOD
Selenium	0.31	0.49	0.097	0.049	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0135M-0001-SO
Lab Sample ID: 240-22488-10
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:32
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.026	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	8100	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	5.5	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	53	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.48	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	3600	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.5	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	14	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	17000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2400	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	400	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	54	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	21	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	10	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.097	0.10	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	13	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	34	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	790	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.25	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0136M-0001-SO
Lab Sample ID: 240-22488-11
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:31
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.097	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.9	0.58	0.28	mg/Kg			1	6020/DOD
Arsenic	10	0.097	0.049	0.018	mg/Kg			1	6020/DOD
Barium	79	0.97	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.68	0.097	0.0097	0.0073	mg/Kg			1	6020/DOD
Calcium	680	9.7	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.19	0.097	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.19	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	12	0.049	0.0097	0.0023	mg/Kg		Q	1	6020/DOD
Copper	18	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	26000	4.9	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	3000	9.7	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	500	0.49	0.029	0.015	mg/Kg		Q	1	6020/DOD
Sodium	38	9.7	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	26	0.097	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.097	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.063	0.19	0.097	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.14	0.097	0.019	0.0099	mg/Kg			1	6020/DOD
Vanadium	19	0.097	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	54	0.49	0.19	0.063	mg/Kg		Q	1	6020/DOD
Potassium	830	9.7	5.8	3.1	mg/Kg			1	6020/DOD
Selenium	0.28	0.49	0.097	0.049	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0137M-0001-SO
Lab Sample ID: 240-22488-12
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:01
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9100	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	6.7	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	55	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.53	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	1200	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	11	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	16	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	22000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2400	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	350	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	35	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	24	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	11	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.11	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	42	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	890	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.23	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0138M-0001-SO
Lab Sample ID: 240-22488-13
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	7.2	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	51	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.43	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	670	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.13	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.6	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	14	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	22000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2300	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	270	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	40	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	17	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.12	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	36	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	690	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.30	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0139M-0001-SO
Lab Sample ID: 240-22488-14
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:29
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.050	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	8.6	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	69	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.62	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	790	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.14	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	10	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	12	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	26000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	1700	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	390	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	36	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	15	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	14	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	23	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	47	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	650	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.39	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0141M-0001-SO
Lab Sample ID: 240-22488-15
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:12
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.042	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	14000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	8.7	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	100	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.87	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	18000	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.19	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	7.6	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	16	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	24000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	5000	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	870	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	130	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	20	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	39	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	920	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.39	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0142M-0001-SO
Lab Sample ID: 240-22488-16
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	9.9	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	64	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	900	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	9.5	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	17	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	24000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2600	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	360	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	42	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	19	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	12	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	20	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	43	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	740	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.32	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0143M-0001-SO
Lab Sample ID: 240-22488-17
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.097	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	10000	2.9	0.58	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.097	0.049	0.018	mg/Kg			1	6020/DOD
Barium	77	0.97	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.70	0.097	0.0097	0.0073	mg/Kg			1	6020/DOD
Calcium	720	9.7	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.21	0.097	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	18	0.19	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	13	0.049	0.0097	0.0023	mg/Kg		Q	1	6020/DOD
Copper	19	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	27000	4.9	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2800	9.7	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	470	0.49	0.029	0.015	mg/Kg		Q	1	6020/DOD
Sodium	42	9.7	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	28	0.097	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.097	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.097	0.19	0.097	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.097	0.019	0.0099	mg/Kg			1	6020/DOD
Vanadium	17	0.097	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	53	0.49	0.19	0.063	mg/Kg		Q	1	6020/DOD
Potassium	820	9.7	5.8	3.1	mg/Kg			1	6020/DOD
Selenium	0.32	0.49	0.097	0.049	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0144M-0001-SO
Lab Sample ID: 240-22488-18
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:37
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.024	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	8.9	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	61	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	760	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.14	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	10	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	25000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2400	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	320	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	34	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	19	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	11	0.098	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.12	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	41	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	760	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.35	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0145M-0001-SO
Lab Sample ID: 240-22488-19
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:15
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.024	0.096	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.58	0.27	mg/Kg			1	6020/DOD
Arsenic	9.4	0.096	0.048	0.017	mg/Kg			1	6020/DOD
Barium	72	0.96	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.53	0.096	0.0096	0.0072	mg/Kg			1	6020/DOD
Calcium	610	9.6	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.096	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	10	0.048	0.0096	0.0023	mg/Kg		Q	1	6020/DOD
Copper	17	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	24000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2800	9.6	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	290	0.48	0.029	0.015	mg/Kg		Q	1	6020/DOD
Sodium	59	9.6	4.8	2.6	mg/Kg			1	6020/DOD
Nickel	23	0.096	0.029	0.011	mg/Kg			1	6020/DOD
Lead	11	0.096	0.029	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.096	0.19	0.096	0.044	mg/Kg	U		1	6020/DOD
Thallium	0.12	0.096	0.019	0.0098	mg/Kg			1	6020/DOD
Vanadium	18	0.096	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	44	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	760	9.6	5.8	3.0	mg/Kg			1	6020/DOD
Selenium	0.27	0.48	0.096	0.049	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0146M-0001-SO
Lab Sample ID: 240-22488-20
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 11:30
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.033	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	72	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.71	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	790	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.19	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	18	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	13	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	19	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	27000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2900	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	520	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	37	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	27	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	18	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	49	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	860	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.35	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0147M-0001-SO
Lab Sample ID: 240-22488-21
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 11:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.030	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	74	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.61	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	1200	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.17	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	15	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	13	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	26000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2700	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	360	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	36	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	22	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.15	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	45	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	900	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.27	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0148M-0001-SO
Lab Sample ID: 240-22488-22
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 12:10
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.021	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	72	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.57	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	280	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	11	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	19	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	26000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	3000	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	250	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	54	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	23	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	12	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	49	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	870	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.31	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0053M-0001-SO
Lab Sample ID: 240-22488-23
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.040	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	9.7	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	56	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	1300	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.18	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	13	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.9	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	48	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	24000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2100	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	660	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	31	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	14	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	16	0.099	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	21	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	92	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	620	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.29	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0054M-0001-SO
Lab Sample ID: 240-22488-24
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 15:08
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.046	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	7.6	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	79	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	7200	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.22	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	13	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	8.4	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	180	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	23000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2200	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	720	0.50	0.030	0.016	mg/Kg		Q	1	6020/DOD
Sodium	46	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	15	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	18	0.10	0.030	0.015	mg/Kg		Q	1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	19	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	180	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	670	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.35	0.50	0.10	0.051	mg/Kg	J		1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00348

Analyte	ICV 240-80700/7-A 04/05/2013 09:50				CCV 240-80700/10-A 04/05/2013 11:38				CCV 240-80700/10-A 04/05/2013 11:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.54		2.50	102	5.19		5.00	104	5.22		5.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00348

Analyte	CCV 240-80700/10-A 04/05/2013 12:18				CCV 240-80700/10-A 04/05/2013 12:30				CCV 240-80700/10-A 04/05/2013 13:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.12		5.00	102	5.23		5.00	105	5.20		5.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00348

Analyte	CCV 240-80700/10-A 04/05/2013 13:40				CCV 240-80700/10-A 04/05/2013 14:00				CCV 240-80700/10-A 04/05/2013 14:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.24		5.00	105	5.25		5.00	105	5.16		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL1_00002

Analyte	ICV 180-70345/5 04/28/2013 21:53				CCV 180-70345/10 04/28/2013 22:34							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	375		400	94	482000		500000	96				
Barium	78.6		80.0	98	15900		15000	106				
Chromium	79.3		80.0	99	21600		20000	108				
Copper	81.8		80.0	102	20600		20000	103				
Iron	19400		20000	97	514000		500000	103				
Lead	77.6		80.0	97	20200		20000	101				
Manganese	373		400	93	21100		20000	105				
Nickel	80.3		80.0	100	10600		10000	106				
Zinc	81.5		80.0	102	21100		20000	105				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL2_00002

Analyte	ICV 180-70345/5 04/28/2013 21:53				CCV 180-70345/11 04/28/2013 22:44							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	37600		40000	94	951000		1000000	95				
Magnesium	36400		40000	91	932000		1000000	93				
Potassium	37900		40000	95	473000		500000	95				
Sodium	36600		40000	91	481000		500000	96				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	ICV 180-70345/5 04/28/2013 21:53				CCV 180-70345/48 04/29/2013 03:50				CCV 180-70345/60 04/29/2013 05:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	375		400	94	502		500	100	512		500	102
Antimony	77.7		80.0	97	97.4		100	97	96.5		100	97
Arsenic	80.9		80.0	101	102		100	102	103		100	103
Barium	78.6		80.0	98	98.9		100	99	98.2		100	98
Beryllium	72.2		80.0	90	104		100	104	104		100	104
Cadmium	80.0		80.0	100	101		100	101	100		100	100
Calcium	37600		40000	94	49700		50000	99	49900		50000	100
Chromium	79.3		80.0	99	101		100	101	100		100	100
Cobalt	79.5		80.0	99	102		100	102	101		100	101
Copper	81.8		80.0	102	104		100	104	105		100	105
Iron	19400		20000	97	25500		25000	102	25600		25000	102
Lead	77.6		80.0	97	96.6		100	97	94.9		100	95
Magnesium	36400		40000	91	50000		50000	100	50300		50000	101
Manganese	373		400	93	470		500	94	471		500	94
Nickel	80.3		80.0	100	105		100	105	103		100	103
Potassium	37900		40000	95	49800		50000	100	50000		50000	100
Selenium	81.8		80.0	102	103		100	103	102		100	102
Silver	80.1		80.0	100	102		100	102	102		100	102
Sodium	36600		40000	91	50300		50000	101	50500		50000	101
Thallium	79.8		80.0	100	96.6		100	97	95.3		100	95
Vanadium	79.1		80.0	99	99.6		100	100	99.8		100	100
Zinc	81.5		80.0	102	99.8		100	100	99.8		100	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	CCV 180-70345/64 04/29/2013 06:02				CCV 180-70345/76 04/29/2013 07:40				CCV 180-70345/88 04/29/2013 09:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	503		500	101	510		500	102	520		500	104
Antimony	96.9		100	97	96.3		100	96	96.5		100	96
Arsenic	103		100	103	101		100	101	102		100	102
Barium	99.8		100	100	99.0		100	99	99.4		100	99
Beryllium	103		100	103	104		100	104	105		100	105
Cadmium	100		100	100	100		100	100	99.2		100	99
Calcium	49800		50000	100	48000		50000	96	47400		50000	95
Chromium	101		100	101	100		100	100	101		100	101
Cobalt	103		100	103	101		100	101	102		100	102
Copper	107		100	107	103		100	103	104		100	104
Iron	25600		25000	102	25600		25000	102	26000		25000	104
Lead	93.0		100	93	92.2		100	92	94.5		100	95
Magnesium	50000		50000	100	50000		50000	100	50900		50000	102
Manganese	468		500	94	465		500	93	468		500	94
Nickel	106		100	106	104		100	104	104		100	104
Potassium	50300		50000	101	50100		50000	100	50800		50000	102
Selenium	104		100	104	101		100	101	101		100	101
Silver	102		100	102	102		100	102	102		100	102
Sodium	50600		50000	101	50600		50000	101	51400		50000	103
Thallium	93.7		100	94	92.6		100	93	94.9		100	95
Vanadium	102		100	102	100		100	100	101		100	101
Zinc	98.5		100	99	98.0		100	98	98.2		100	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	CCV 180-70345/101 04/29/2013 11:07				CCV 180-70345/115 04/29/2013 13:19							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	521		500	104	525		500	105				
Antimony	95.8		100	96	96.8		100	97				
Arsenic	101		100	101	101		100	101				
Barium	101		100	101	102		100	102				
Beryllium	103		100	103	104		100	104				
Cadmium	98.9		100	99	97.1		100	97				
Calcium	46400		50000	93	46200		50000	92				
Chromium	102		100	102	102		100	102				
Cobalt	104		100	104	104		100	104				
Copper	107		100	107	106		100	106				
Iron	26400		25000	106	26900		25000	107				
Lead	93.1		100	93	92.9		100	93				
Magnesium	51000		50000	102	52000		50000	104				
Manganese	468		500	94	470		500	94				
Nickel	107		100	107	106		100	106				
Potassium	51300		50000	103	52100		50000	104				
Selenium	99.6		100	100	100		100	100				
Silver	103		100	103	99.9		100	100				
Sodium	51700		50000	103	52800		50000	106				
Thallium	93.8		100	94	93.6		100	94				
Vanadium	102		100	102	102		100	102				
Zinc	97.0		100	97	96.4		100	96				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00041

Analyte	ICV 180-70345/5 04/28/2013 21:53				CCV 180-70345/12 04/28/2013 22:53							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	375		400	94	491		500	98				
Antimony	77.7		80.0	97	96.9		100	97				
Arsenic	80.9		80.0	101	101		100	101				
Barium	78.6		80.0	98	97.3		100	97				
Beryllium	72.2		80.0	90	101		100	101				
Cadmium	80.0		80.0	100	98.8		100	99				
Calcium	37600		40000	94	48500		50000	97				
Chromium	79.3		80.0	99	98.4		100	98				
Cobalt	79.5		80.0	99	99.7		100	100				
Copper	81.8		80.0	102	102		100	102				
Iron	19400		20000	97	24700		25000	99				
Lead	77.6		80.0	97	98.2		100	98				
Magnesium	36400		40000	91	49100		50000	98				
Manganese	373		400	93	467		500	93				
Nickel	80.3		80.0	100	102		100	102				
Potassium	37900		40000	95	48600		50000	97				
Selenium	81.8		80.0	102	102		100	102				
Silver	80.1		80.0	100	99.9		100	100				
Sodium	36600		40000	91	49300		50000	99				
Thallium	79.8		80.0	100	98.1		100	98				
Vanadium	79.1		80.0	99	97.7		100	98				
Zinc	81.5		80.0	102	99.5		100	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Method: 7471/DOD Instrument ID: H1

Lab Sample ID: CRA 240-80700/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00348

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.224		112	

Lab Sample ID: CRA 240-80700/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00348

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.237		118	

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-70345/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.985	J	99	80-120
Aluminum	30.0	34.0		113	80-120
Arsenic	1.00	1.18		118	80-120
Barium	10.0	9.95	J	99	80-120
Beryllium	1.00	1.01		101	80-120
Calcium	100	98.9	J	99	80-120
Cadmium	1.00	1.04		104	80-120
Chromium	2.00	1.99	J	99	80-120
Cobalt	0.500	0.518		104	80-120
Copper	2.00	2.29		115	80-120
Iron	50.0	51.1		102	80-120
Magnesium	100	97.6	J	98	80-120
Manganese	5.00	4.99	J	100	80-120
Sodium	100	94.5	J	94	80-120
Nickel	1.00	1.15		115	80-120
Lead	1.00	0.951	J	95	80-120
Antimony	2.00	1.95	J	98	80-120
Thallium	1.00	0.921	J	92	80-120
Vanadium	1.00	0.960	J	96	80-120
Zinc	5.00	5.44		109	80-120
Potassium	100	98.9	J	99	80-120
Selenium	5.00	4.65	J	93	80-120

Lab Sample ID: CRI 180-70345/113 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	1.09		109	80-120
Aluminum	30.0	34.2		114	80-120
Arsenic	1.00	0.981	J	98	80-120
Barium	10.0	10.2		102	80-120
Beryllium	1.00	0.927	J	93	80-120
Calcium	100	99.1	J	99	80-120
Cadmium	1.00	1.09		109	80-120
Chromium	2.00	1.94	J	97	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-70345/113 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.514		103	80-120
Copper	2.00	2.35		117	80-120
Iron	50.0	54.2		108	80-120
Magnesium	100	94.0	J	94	80-120
Manganese	5.00	5.01		100	80-120
Sodium	100	94.2	J	94	80-120
Nickel	1.00	1.09		109	80-120
Lead	1.00	0.834	J	83	80-120
Antimony	2.00	1.92	J	96	80-120
Thallium	1.00	0.804	J	80	80-120
Vanadium	1.00	0.990	J	99	80-120
Zinc	5.00	5.24		105	80-120
Potassium	100	90.4	J	90	80-120
Selenium	5.00	4.79	J	96	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-80700/8-A 04/05/2013 09:51		CCB 240-80700/11-A 04/05/2013 11:39		CCB 240-80700/11-A 04/05/2013 11:59		CCB 240-80700/11-A 04/05/2013 12:19	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-80700/11-A 04/05/2013 12:32		CCB 240-80700/11-A 04/05/2013 13:25		CCB 240-80700/11-A 04/05/2013 13:41		CCB 240-80700/11-A 04/05/2013 14:01	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-80700/11-A 04/05/2013 14:19							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-70345/6 04/28/2013 22:01		CCB1 180-70345/13 04/28/2013 23:03		CCB4 180-70345/49 04/29/2013 03:58		CCB5 180-70345/61 04/29/2013 05:37	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.216	J	0.210	J	0.354	J	0.342	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB6 180-70345/65 04/29/2013 06:10		CCB7 180-70345/77 04/29/2013 07:49		CCB8 180-70345/89 04/29/2013 09:28		CCB9 180-70345/102 04/29/2013 11:15	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	3.65	J	3.93	J	3.15	J
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	9.59	J
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.315	J	0.468	J	0.444	J	0.460	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB10 180-70345/116 04/29/2013 13:28							
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	3.25	J						
Antimony	2.0	0.90	U						
Arsenic	1.0	0.50	U						
Barium	10	0.15	U						
Beryllium	1.0	0.090	U						
Cadmium	1.0	0.30	U						
Calcium	100	13.3	J						
Chromium	2.0	1.0	U						
Cobalt	0.50	0.0320	J						
Copper	2.0	0.50	U						
Iron	50	20	U						
Lead	1.0	0.30	U						
Magnesium	100	15.3	J						
Manganese	5.0	0.544	J						
Nickel	1.0	0.35	U						
Potassium	100	60	U						
Selenium	5.0	1.0	U						
Silver	1.0	0.20	U						
Sodium	100	55	U						
Thallium	1.0	0.20	U						
Vanadium	1.0	0.60	U						
Zinc	5.0	2.0	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-80564/1-A

Instrument Code: H1 Batch No.: 80828

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-80582/1-A

Instrument Code: H1 Batch No.: 80828

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-68556/1-A

Instrument Code: M Batch No.: 70345

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.028	U		6020_DoD
7429-90-5	Aluminum	0.714	J		6020_DoD
7440-38-2	Arsenic	0.046	U		6020_DoD
7440-39-3	Barium	0.0112	J	Q	6020_DoD
7440-41-7	Beryllium	0.0093	U		6020_DoD
7440-70-2	Calcium	1.86	J		6020_DoD
7440-43-9	Cadmium	0.028	U		6020_DoD
7440-47-3	Chromium	0.037	U		6020_DoD
7440-48-4	Cobalt	0.0093	U	Q	6020_DoD
7440-50-8	Copper	0.056	U	Q	6020_DoD
7439-89-6	Iron	1.99	J		6020_DoD
7439-95-4	Magnesium	1.9	U		6020_DoD
7439-96-5	Manganese	0.0499	J	Q	6020_DoD
7440-23-5	Sodium	4.6	U		6020_DoD
7440-02-0	Nickel	0.028	U		6020_DoD
7439-92-1	Lead	0.028	U	Q	6020_DoD
7440-36-0	Antimony	0.093	U		6020_DoD
7440-28-0	Thallium	0.019	U		6020_DoD
7440-62-2	Vanadium	0.056	U		6020_DoD
7440-66-6	Zinc	0.19	U	Q	6020_DoD
7440-09-7	Potassium	5.6	U		6020_DoD
7782-49-2	Selenium	0.093	U		6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-68559/1-A

Instrument Code: M Batch No.: 70345

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.029	U		6020_DoD
7429-90-5	Aluminum	0.58	U		6020_DoD
7440-38-2	Arsenic	0.048	U		6020_DoD
7440-39-3	Barium	0.019	U	Q	6020_DoD
7440-41-7	Beryllium	0.0096	U		6020_DoD
7440-70-2	Calcium	2.4	U		6020_DoD
7440-43-9	Cadmium	0.029	U		6020_DoD
7440-47-3	Chromium	0.038	U		6020_DoD
7440-48-4	Cobalt	0.0096	U	Q	6020_DoD
7440-50-8	Copper	0.058	U	Q	6020_DoD
7439-89-6	Iron	1.9	U		6020_DoD
7439-95-4	Magnesium	1.9	U		6020_DoD
7439-96-5	Manganese	0.029	U	Q	6020_DoD
7440-23-5	Sodium	4.8	U		6020_DoD
7440-02-0	Nickel	0.029	U		6020_DoD
7439-92-1	Lead	0.029	U	Q	6020_DoD
7440-36-0	Antimony	0.096	U		6020_DoD
7440-28-0	Thallium	0.019	U		6020_DoD
7440-62-2	Vanadium	0.058	U		6020_DoD
7440-66-6	Zinc	0.19	U	Q	6020_DoD
7440-09-7	Potassium	5.8	U		6020_DoD
7782-49-2	Selenium	0.096	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICSA 180-70345/8 Instrument ID: M

Lab File ID: M30428A.xml ICS Source: MICSAX_00029

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**103400**	**103**
Antimony		**0.292**	
Arsenic		**-0.0210**	
Barium		**0.362**	
Beryllium		**-0.0040**	
Cadmium		**0.271**	
Calcium	**100000**	**107300**	**107**
Chromium		**0.0450**	
Cobalt		**0.0870**	
Copper		**1.50**	
Iron	**100000**	**107600**	**108**
Lead		**0.394**	
Magnesium	**100000**	**102800**	**103**
Manganese		**0.549**	
Nickel		**0.160**	
Potassium	**100000**	**104700**	**105**
Selenium		**-0.227**	
Silver		**0.0650**	
Sodium	**100000**	**104800**	**105**
Thallium		**0.0210**	
Vanadium		**-0.429**	
Zinc		**3.36**	
Boron		*1.05*	
Molybdenum	*2000*	*2329*	*116*
Silicon		*25.4*	
Strontium		*5.10*	
Tin		*0.254*	
Titanium	*2000*	*2313*	*116*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Lab Sample ID: ICSAB 180-70345/9 Instrument ID: M

Lab File ID: M30428A.xml ICS Source: MICSABX_00033

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**100000**	**101243**	**101**
Antimony	**20.0**	**21.2**	**106**
Arsenic	**20.0**	**21.9**	**110**
Barium	**20.0**	**22.5**	**113**
Beryllium	**20.0**	**20.7**	**104**
Cadmium	**20.0**	**20.9**	**104**
Calcium	**100000**	**105833**	**106**
Chromium	**20.0**	**21.0**	**105**
Cobalt	**20.0**	**20.4**	**102**
Copper	**20.0**	**21.9**	**109**
Iron	**100000**	**106300**	**106**
Lead	**20.0**	**22.3**	**112**
Magnesium	**100000**	**100320**	**100**
Manganese	**22.5**	**21.3**	**95**
Nickel	**20.0**	**20.4**	**102**
Potassium	**100000**	**103433**	**103**
Selenium	**50.0**	**52.0**	**104**
Silver	**20.0**	**20.4**	**102**
Sodium	**100000**	**102433**	**102**
Thallium	**20.0**	**22.0**	**110**
Vanadium	**20.0**	**20.8**	**104**
Zinc	**25.0**	**24.0**	**96**
Boron	*50.0*	*48.4*	*97*
Molybdenum	*2000*	*2303*	*115*
Silicon	*500*	*506*	*101*
Strontium	*25.0*	*27.2*	*109*
Tin	*100*	*107*	*107*
Titanium	*2000*	*2274*	*114*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0134M-0001-SO MS Lab ID: 240-22488-9 MS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.222		0.047	J	0.169	103	80-120		7471/DOD

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0126M-0001-SO MS Lab ID: 240-22488-1 MS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.56		0.034	J	5.00	91	75-125		6020/DOD
Aluminum	15900		10000		200	2886	70-130	4	6020/DOD
Arsenic	11.9		8.1		4.00	96	23-131		6020/DOD
Barium	267		65		200	101	10-199	Q	6020/DOD
Beryllium	4.97		0.51		5.00	89	58-112		6020/DOD
Calcium	5290		700		5000	92	70-130		6020/DOD
Cadmium	4.48		0.12		5.00	87	58-110		6020/DOD
Chromium	38.3		14		20.0	120	10-199		6020/DOD
Cobalt	56.1		8.8		50.0	95	55-110	Q	6020/DOD
Copper	37.7		15		25.0	91	10-199	Q	6020/DOD
Iron	25500		23000		100	2470	70-130	4	6020/DOD
Magnesium	7270		2200		5000	101	70-130		6020/DOD
Manganese	541		350		50.0	374	10-199	Q 4	6020/DOD
Sodium	4830		38		5000	96	70-130		6020/DOD
Nickel	66.4		20		50.0	94	10-176		6020/DOD
Lead	15.3		11		2.00	205	10-199	Q 4	6020/DOD
Antimony	13.9		0.13	J	50.0	28	75-125	J	6020/DOD
Thallium	4.47		0.13		5.00	87	82-110		6020/DOD
Vanadium	71.4		17		50.0	109	39-129		6020/DOD
Zinc	86.3		44		50.0	84	10-199	Q	6020/DOD
Potassium	5610		760		5000	97	70-130		6020/DOD
Selenium	1.04		0.37	J	1.00	68	39-116		6020/DOD

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0126M-0001-SO PDS Lab ID: 240-22488-1 PDS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	5.31		0.034	J	4.95	107	80-120		6020/DOD
Aluminum	10100		10000		198	0	80-120		6020/DOD
Arsenic	11.7		8.1		3.96	92	80-120		6020/DOD
Barium	263		65		198	100	80-120	Q	6020/DOD
Beryllium	5.30		0.51		4.95	97	80-120		6020/DOD
Calcium	5640		700		4950	100	80-120		6020/DOD
Cadmium	4.99		0.12		4.95	98	80-120		6020/DOD
Chromium	35.4		14		19.8	106	80-120		6020/DOD
Cobalt	62.0		8.8		49.5	108	80-120	Q	6020/DOD
Copper	40.4		15		24.8	103	80-120	Q	6020/DOD
Iron	23000		23000		99.0	40	80-120		6020/DOD
Magnesium	7210		2200		4950	101	80-120		6020/DOD
Manganese	406		350		49.5	106	80-120	Q	6020/DOD
Sodium	5230		38		4950	105	80-120		6020/DOD
Nickel	72.0		20		49.5	106	80-120		6020/DOD
Lead	13.2		11		1.98	105	80-120	Q	6020/DOD
Antimony	45.3		0.13	J	49.5	91	80-120		6020/DOD
Thallium	5.24		0.13		4.95	103	80-120		6020/DOD
Vanadium	70.1		17		49.5	107	80-120		6020/DOD
Zinc	88.5		44		49.5	90	80-120	Q	6020/DOD
Potassium	5800		760		4950	102	80-120		6020/DOD
Selenium	1.27		0.37	J	0.990	92	80-120		6020/DOD

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: 079SB-0134M-0001-SO DU Lab ID: 240-22488-9 DU

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.10	0.047	J	0.0435	J	7		7471/DOD

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 079SB-0126M-0001-SO DU | Lab ID: 240-22488-1 DU

Lab Name: TestAmerica Pittsburgh | Job No.: 240-22488-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Solid | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Silver	0.10	0.034	J	0.0305	J	10		6020/DOD
Aluminum	3.0	10000		10100		0.01		6020/DOD
Arsenic	0.10	8.1		8.41		4		6020/DOD
Barium	1.0	65		66.2		1	Q	6020/DOD
Beryllium	0.10	0.51		0.545		7		6020/DOD
Calcium	10	700		708		1		6020/DOD
Cadmium	0.10	0.12		0.131		6		6020/DOD
Chromium	0.20	14		14.6		2		6020/DOD
Cobalt	0.050	8.8		8.59		2	Q	6020/DOD
Copper	0.20	15		14.6		3	Q	6020/DOD
Iron	5.0	23000		23600		3		6020/DOD
Magnesium	10	2200		2260		1		6020/DOD
Manganese	0.50	350		371		5	Q	6020/DOD
Sodium	10	38		38.1		0.6		6020/DOD
Nickel	0.10	20		20.1		3		6020/DOD
Lead	0.10	11		11.1		0.5	Q	6020/DOD
Antimony	0.20	0.13	J	0.122	J	5		6020/DOD
Thallium	0.10	0.13		0.127		1		6020/DOD
Vanadium	0.10	17		17.8		5		6020/DOD
Zinc	0.50	44		43.2		2	Q	6020/DOD
Potassium	10	760		767		0.6		6020/DOD
Selenium	0.50	0.37	J	0.228	J	46		6020/DOD

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-80564/2-A

Lab Name: TestAmerica Canton Job No.: 240-22488-1

Sample Matrix: Solid LCS Source: MTHGCALW_00347

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.866		104	80	120		7471/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-80582/2-A

Lab Name: TestAmerica Canton Job No.: 240-22488-1

Sample Matrix: Solid LCS Source: MTHGCALW_00347

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.887		106	80	120		7471/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-68556/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.39	4.11		94	60	114		6020/DOD
Aluminum	175	171		98	80	120		6020/DOD
Arsenic	3.51	2.98		85	73	110		6020/DOD
Barium	175	163		93	70	110	Q	6020/DOD
Beryllium	4.39	3.77		86	79	110		6020/DOD
Calcium	4390	3930		90	80	120		6020/DOD
Cadmium	4.39	3.90		89	74	110		6020/DOD
Chromium	17.5	16.5		94	70	110		6020/DOD
Cobalt	43.9	41.9		95	74	110	Q	6020/DOD
Copper	21.9	21.6		98	73	110	Q	6020/DOD
Iron	87.7	103		117	80	120		6020/DOD
Magnesium	4390	4010		91	80	120		6020/DOD
Manganese	43.9	38.6		88	80	120	Q	6020/DOD
Sodium	4390	4060		92	80	120		6020/DOD
Nickel	43.9	42.6		97	75	110		6020/DOD
Lead	1.75	1.60		91	75	110	Q	6020/DOD
Antimony	43.9	38.0		87	68	113		6020/DOD
Thallium	4.39	3.99		91	71	110		6020/DOD
Vanadium	43.9	41.2		94	72	110		6020/DOD
Zinc	43.9	36.1		82	72	113	Q	6020/DOD
Potassium	4390	4020		92	80	120		6020/DOD
Selenium	0.877	0.741		85	65	110		6020/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-68559/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.95	4.57		92	60	114		6020/DOD
Aluminum	198	198		100	80	120		6020/DOD
Arsenic	3.96	3.37		85	73	110		6020/DOD
Barium	198	187		94	70	110	Q	6020/DOD
Beryllium	4.95	4.47		90	79	110		6020/DOD
Calcium	4950	4550		92	80	120		6020/DOD
Cadmium	4.95	4.36		88	74	110		6020/DOD
Chromium	19.8	19.7		100	70	110		6020/DOD
Cobalt	49.5	49.5		100	74	110	Q	6020/DOD
Copper	24.8	25.3		102	73	110	Q	6020/DOD
Iron	99.0	96.3		97	80	120		6020/DOD
Magnesium	4950	4860		98	80	120		6020/DOD
Manganese	49.5	45.7		92	80	120	Q	6020/DOD
Sodium	4950	4920		99	80	120		6020/DOD
Nickel	49.5	50.1		101	75	110		6020/DOD
Lead	1.98	1.75		88	75	110	Q	6020/DOD
Antimony	49.5	42.6		86	68	113		6020/DOD
Thallium	4.95	4.39		89	71	110		6020/DOD
Vanadium	49.5	49.9		101	72	110		6020/DOD
Zinc	49.5	40.9		83	72	113	Q	6020/DOD
Potassium	4950	4930		100	80	120		6020/DOD
Selenium	0.990	0.850		86	65	110		6020/DOD

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-22488-1

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 240-22488-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.034	J	0.15	U	NC		6020/DOD
Aluminum	10000		10300		1.6	D	6020/DOD
Arsenic	8.1		8.38		3.7	D	6020/DOD
Barium	65		66.1		1.1	Q D	6020/DOD
Beryllium	0.51		0.591		16	V D	6020/DOD
Calcium	700		719		3.0	D	6020/DOD
Cadmium	0.12		0.144	J	NC	D	6020/DOD
Chromium	14		14.3		0.31	D	6020/DOD
Cobalt	8.8		8.73		0.51	Q D	6020/DOD
Copper	15		14.6		2.5	Q D	6020/DOD
Iron	23000		22800		0.69	D	6020/DOD
Magnesium	2200		2140		4.1	D	6020/DOD
Manganese	350		317		10	Q D	6020/DOD
Sodium	38		41.4	J	NC	D	6020/DOD
Nickel	20		20.1		2.7	D	6020/DOD
Lead	11		10.7		4.3	Q D	6020/DOD
Antimony	0.13	J	0.50	U	NC		6020/DOD
Thallium	0.13		0.115	J	NC	D	6020/DOD
Vanadium	17		17.0		0.29	D	6020/DOD
Zinc	44		48.7		11	Q V D	6020/DOD
Potassium	760		722		5.3	D	6020/DOD
Selenium	0.37	J	0.50	U	NC		6020/DOD

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD DL Date: 01/26/2010 16:34

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27	3	0.2849
Antimony	121	0.2	0.0459
Arsenic	75	0.1	0.0181
Barium	137	1	0.0107
Beryllium	9	0.1	0.0075
Cadmium	111	0.1	0.0132
Calcium	44	10	1.326
Chromium	52	0.2	0.0223
Cobalt	59	0.05	0.0024
Copper	65	0.2	0.033
Iron	56	5	1.077
Lead	208	0.1	0.0154
Magnesium	26	10	1.079
Manganese	55	0.5	0.0159
Nickel	60	0.1	0.0113
Potassium	39	10	3.155
Selenium	82	0.5	0.0509
Silver	107	0.1	0.0114
Sodium	23	10	2.658
Thallium	205	0.1	0.0102
Vanadium	51	0.1	0.0299
Zinc	66	0.5	0.0648

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD XMDL Date: 01/26/2010 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 240-22488-1

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-80564/1-A	04/04/2013 14:05	80564	0.60		100
LCS 240-80564/2-A	04/04/2013 14:05	80564	0.60		100
240-22488-1	04/04/2013 14:05	80564	0.53		100
240-22488-2	04/04/2013 14:05	80564	0.55		100
240-22488-3	04/04/2013 14:05	80564	0.62		100
240-22488-4	04/04/2013 14:05	80564	0.53		100
240-22488-5	04/04/2013 14:05	80564	0.56		100
240-22488-6	04/04/2013 14:05	80564	0.55		100
240-22488-7	04/04/2013 14:05	80564	0.57		100
240-22488-8	04/04/2013 14:05	80564	0.53		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-80582/1-A	04/04/2013 14:05	80582	0.60		100
LCS 240-80582/2-A	04/04/2013 14:05	80582	0.60		100
240-22488-9	04/04/2013 14:05	80582	0.59		100
240-22488-9 DU	04/04/2013 14:05	80582	0.59		100
240-22488-9 MS	04/04/2013 14:05	80582	0.59		100
240-22488-10	04/04/2013 14:05	80582	0.56		100
240-22488-11	04/04/2013 14:05	80582	0.54		100
240-22488-12	04/04/2013 14:05	80582	0.55		100
240-22488-13	04/04/2013 14:05	80582	0.66		100
240-22488-14	04/04/2013 14:05	80582	0.57		100
240-22488-15	04/04/2013 14:05	80582	0.58		100
240-22488-16	04/04/2013 14:05	80582	0.54		100
240-22488-17	04/04/2013 14:05	80582	0.59		100
240-22488-18	04/04/2013 14:05	80582	0.61		100
240-22488-19	04/04/2013 14:05	80582	0.56		100
240-22488-20	04/04/2013 14:05	80582	0.57		100
240-22488-21	04/04/2013 14:05	80582	0.55		100
240-22488-22	04/04/2013 14:05	80582	0.54		100
240-22488-23	04/04/2013 14:05	80582	0.55		100
240-22488-24	04/04/2013 14:05	80582	0.55		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-68556/1-A	04/08/2013 12:59	68556	00001.08		100
LCS 180-68556/2-A	04/08/2013 12:59	68556	00001.14		100
240-22488-1	04/08/2013 12:59	68556	00001.01		100
240-22488-1 DU	04/08/2013 12:59	68556	00001.00		100
240-22488-1 MS	04/08/2013 12:59	68556	00001.00		100
240-22488-2	04/08/2013 12:59	68556	00001.02		100
240-22488-3	04/08/2013 12:59	68556	00001.02		100
240-22488-4	04/08/2013 12:59	68556	00001.02		100
240-22488-5	04/08/2013 12:59	68556	00001.01		100
240-22488-6	04/08/2013 12:59	68556	00001.05		100
240-22488-7	04/08/2013 12:59	68556	00001.00		100
240-22488-8	04/08/2013 12:59	68556	00001.01		100
240-22488-9	04/08/2013 12:59	68556	00001.03		100
240-22488-10	04/08/2013 12:59	68556	00001.00		100
240-22488-11	04/08/2013 12:59	68556	00001.03		100
240-22488-12	04/08/2013 12:59	68556	00001.02		100
240-22488-13	04/08/2013 12:59	68556	00001.01		100
240-22488-14	04/08/2013 12:59	68556	00001.00		100
240-22488-15	04/08/2013 12:59	68556	00001.01		100
240-22488-16	04/08/2013 12:59	68556	00001.02		100
240-22488-17	04/08/2013 12:59	68556	00001.03		100
240-22488-18	04/08/2013 12:59	68556	00001.02		100
240-22488-19	04/08/2013 12:59	68556	00001.04		100
240-22488-20	04/08/2013 12:59	68556	00001.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-68559/1-A	04/08/2013 13:22	68559	00001.04		100
LCS 180-68559/2-A	04/08/2013 13:22	68559	00001.01		100
240-22488-21	04/08/2013 13:22	68559	00001.01		100
240-22488-22	04/08/2013 13:22	68559	00001.00		100
240-22488-23	04/08/2013 13:22	68559	00001.01		100
240-22488-24	04/08/2013 13:22	68559	00001.00		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/05/2013 09:39 End Date: 04/05/2013 14:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 240-80700/1-A			09:39	X																			
IC 240-80700/1-A			09:40	X																			
IC 240-80700/2-A			09:42	X																			
IC 240-80700/3-A			09:43	X																			
IC 240-80700/4-A			09:45	X																			
IC 240-80700/5-A			09:46	X																			
IC 240-80700/6-A			09:48	X																			
ICV 240-80700/7-A	1		09:50	X																			
ICB 240-80700/8-A	1		09:51	X																			
CRA 240-80700/9-A	1		09:52	X																			
CCV 240-80700/10-A			09:54																				
CCB 240-80700/11-A			09:55																				
ZZZZZZ			09:56																				
ZZZZZZ			09:57																				
ZZZZZZ			09:59																				
ZZZZZZ			10:00																				
ZZZZZZ			10:02																				
ZZZZZZ			10:03																				
ZZZZZZ			10:05																				
ZZZZZZ			10:06																				
ZZZZZZ			10:08																				
ZZZZZZ			10:10																				
CCV 240-80700/10-A			10:11																				
CCB 240-80700/11-A			10:13																				
ZZZZZZ			10:14																				
ZZZZZZ			10:16																				
ZZZZZZ			10:17																				
ZZZZZZ			10:19																				
ZZZZZZ			10:20																				
ZZZZZZ			10:22																				
ZZZZZZ			10:23																				
ZZZZZZ			10:24																				
ZZZZZZ			10:25																				
ZZZZZZ			10:27																				
CCV 240-80700/10-A			10:29																				
CCB 240-80700/11-A			10:30																				
ZZZZZZ			10:32																				
ZZZZZZ			10:34																				
ZZZZZZ			10:35																				
ZZZZZZ			10:37																				
ZZZZZZ			10:38																				
ZZZZZZ			10:40																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/05/2013 09:39 End Date: 04/05/2013 14:28

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			10:42																					
ZZZZZZ			10:43																					
ZZZZZZ			10:45																					
ZZZZZZ			10:46																					
CCV 240-80700/10-A			10:47																					
CCB 240-80700/11-A			10:49																					
ZZZZZZ			10:51																					
ZZZZZZ			10:52																					
ZZZZZZ			10:53																					
ZZZZZZ			10:55																					
ZZZZZZ			10:57																					
ZZZZZZ			10:59																					
ZZZZZZ			11:00																					
ZZZZZZ			11:01																					
CCV 240-80700/10-A			11:03																					
CCB 240-80700/11-A			11:04																					
ZZZZZZ			11:06																					
ZZZZZZ			11:07																					
ZZZZZZ			11:09																					
ZZZZZZ			11:11																					
ZZZZZZ			11:12																					
ZZZZZZ			11:14																					
ZZZZZZ			11:16																					
ZZZZZZ			11:17																					
ZZZZZZ			11:18																					
ZZZZZZ			11:20																					
CCV 240-80700/10-A			11:21																					
CCB 240-80700/11-A			11:23																					
ZZZZZZ			11:24																					
ZZZZZZ			11:25																					
ZZZZZZ			11:27																					
ZZZZZZ			11:28																					
ZZZZZZ			11:30																					
ZZZZZZ			11:31																					
ZZZZZZ			11:32																					
ZZZZZZ			11:34																					
ZZZZZZ			11:35																					
ZZZZZZ			11:36																					
CCV 240-80700/10-A	1		11:38	X																				
CCB 240-80700/11-A	1		11:39	X																				
ZZZZZZ			11:42																					
ZZZZZZ			11:44																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/05/2013 09:39 End Date: 04/05/2013 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
MB 240-80564/1-A	1	T	11:45	X																			
LCS 240-80564/2-A	1	T	11:47	X																			
ZZZZZZ			11:49																				
ZZZZZZ			11:50																				
ZZZZZZ			11:52																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:56																				
CCV 240-80700/10-A	1		11:58	X																			
CCB 240-80700/11-A	1		11:59	X																			
ZZZZZZ			12:01																				
ZZZZZZ			12:02																				
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:09																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:13																				
240-22488-1	1	T	12:15	X																			
240-22488-2	1	T	12:16	X																			
CCV 240-80700/10-A	1		12:18	X																			
CCB 240-80700/11-A	1		12:19	X																			
240-22488-3	1	T	12:20	X																			
240-22488-4	1	T	12:22	X																			
240-22488-5	1	T	12:24	X																			
240-22488-6	1	T	12:26	X																			
240-22488-7	1	T	12:27	X																			
240-22488-8	1	T	12:29	X																			
CCV 240-80700/10-A	1		12:30	X																			
CCB 240-80700/11-A	1		12:32	X																			
ZZZZZZ			12:40																				
ZZZZZZ			12:42																				
ZZZZZZ			12:44																				
ZZZZZZ			12:46																				
ZZZZZZ			12:47																				
CCV 240-80700/10-A			12:49																				
CCB 240-80700/11-A			12:51																				
ZZZZZZ			12:52																				
ZZZZZZ			12:53																				
ZZZZZZ			12:55																				
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/05/2013 09:39 End Date: 04/05/2013 14:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:59																				
ZZZZZZ			13:01																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:05																				
CCV 240-80700/10-A			13:07																				
CCB 240-80700/11-A			13:09																				
ZZZZZZ			13:10																				
ZZZZZZ			13:11																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:15																				
ZZZZZZ			13:17																				
ZZZZZZ			13:19																				
ZZZZZZ			13:20																				
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
CCV 240-80700/10-A	1		13:24	X																			
CCB 240-80700/11-A	1		13:25	X																			
ZZZZZZ			13:27																				
ZZZZZZ			13:28																				
ZZZZZZ			13:30																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:34																				
MB 240-80582/1-A	1	T	13:36	X																			
LCS 240-80582/2-A	1	T	13:38	X																			
240-22488-9	1	T	13:39	X																			
CCV 240-80700/10-A	1		13:40	X																			
CCB 240-80700/11-A	1		13:41	X																			
ZZZZZZ			13:43																				
240-22488-9 DU	1	T	13:45	X																			
240-22488-9 MS	1	T	13:47	X																			
240-22488-10	1	T	13:48	X																			
240-22488-11	1	T	13:50	X																			
240-22488-12	1	T	13:52	X																			
240-22488-13	1	T	13:53	X																			
240-22488-14	1	T	13:55	X																			
240-22488-15	1	T	13:56	X																			
240-22488-16	1	T	13:58	X																			
CCV 240-80700/10-A	1		14:00	X																			
CCB 240-80700/11-A	1		14:01	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/05/2013 09:39 End Date: 04/05/2013 14:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
240-22488-17	1	T	14:02	X																			
240-22488-18	1	T	14:04	X																			
240-22488-19	1	T	14:06	X																			
240-22488-20	1	T	14:08	X																			
240-22488-21	1	T	14:09	X																			
240-22488-22	1	T	14:10	X																			
240-22488-23	1	T	14:12	X																			
240-22488-24	1	T	14:14	X																			
ZZZZZZ			14:15																				
ZZZZZZ			14:16																				
CCV 240-80700/10-A	1		14:17	X																			
CCB 240-80700/11-A	1		14:19	X																			
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
CRA 240-80700/9-A	1		14:25	X																			
CCV 240-80700/10-A			14:27																				
CCB 240-80700/11-A			14:28																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ITUNE 180-70345/1			21:06																				
STD1 180-70345/2 IC	1		21:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-70345/3 IC	1		21:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-70345/4 IC	1		21:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-70345/5	1		21:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-70345/6	1		22:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-70345/7	1		22:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-70345/8	1		22:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-70345/9	1		22:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-70345/10	1		22:34		X		X					X	X	X			X		X	X			
CCV 180-70345/11	1		22:44						X						X	X		X					
CCV 180-70345/12	1		22:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-70345/13	1		23:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:11																				
ZZZZZZ			23:19																				
ZZZZZZ			23:28																				
ZZZZZZ			23:36																				
ZZZZZZ			23:44																				
ZZZZZZ			23:52																				
ZZZZZZ			00:00																				
ZZZZZZ			00:08																				
ZZZZZZ			00:17																				
ZZZZZZ			00:25																				
CCV 180-70345/24			00:33																				
CCB2 180-70345/25			00:41																				
ZZZZZZ			00:50																				
ZZZZZZ			00:58																				
ZZZZZZ			01:06																				
ZZZZZZ			01:14																				
ZZZZZZ			01:22																				
ZZZZZZ			01:30																				
ZZZZZZ			01:39																				
ZZZZZZ			01:47																				
ZZZZZZ			01:55																				
ZZZZZZ			02:03																				
CCV 180-70345/36			02:11																				
CCB3 180-70345/37			02:20																				
ZZZZZZ			02:28																				
ZZZZZZ			02:36																				
ZZZZZZ			02:44																				
ZZZZZZ			02:52																				
ZZZZZZ			03:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			03:09																				
ZZZZZZ			03:17																				
ZZZZZZ			03:25																				
ZZZZZZ			03:33																				
ZZZZZZ			03:42																				
CCV 180-70345/48	1		03:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB4 180-70345/49	1		03:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			04:06																				
ZZZZZZ			04:15																				
ZZZZZZ			04:23																				
ZZZZZZ			04:31																				
ZZZZZZ			04:39																				
MB 180-68556/1-A	1	T	04:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-68556/2-A	1	T	04:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-2	1	T	05:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-3	1	T	05:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-4	1	T	05:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-70345/60	1		05:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5 180-70345/61	1		05:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-70345/62			05:45																				
CRI 180-70345/63			05:53																				
CCV 180-70345/64	1		06:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6 180-70345/65	1		06:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-1	1	T	06:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-1 SD	5	T	06:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-1 DU	1	T	06:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-1 MS	1	T	06:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-1 PDS	1	T	06:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-5	1	T	06:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-6	1	T	07:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-7	1	T	07:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-8	1	T	07:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-9	1	T	07:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-70345/76	1		07:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB7 180-70345/77	1		07:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-10	1	T	07:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-11	1	T	08:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-12	1	T	08:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-13	1	T	08:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-14	1	T	08:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-15	1	T	08:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-16	1	T	08:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
240-22488-17	1	T	08:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-18	1	T	09:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-19	1	T	09:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-70345/88	1		09:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB8 180-70345/89	1		09:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-20	1	T	09:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 180-68559/1-A	1	T	09:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-68559/2-A	1	T	09:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-21	1	T	10:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-22	1	T	10:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-23	1	T	10:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22488-24	1	T	10:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:34																				
ZZZZZZ			10:42																				
ZZZZZZ			10:50																				
ZZZZZZ			10:59																				
CCV 180-70345/101	1		11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB9 180-70345/102	1		11:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:23																				
ZZZZZZ			11:32																				
ZZZZZZ			11:40																				
ZZZZZZ			11:48																				
ZZZZZZ			11:57																				
ZZZZZZ			12:05																				
ZZZZZZ			12:13																				
ZZZZZZ			12:21																				
ZZZZZZ			12:30																				
ZZZZZZ			12:38																				
CRI 180-70345/113	1		13:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-70345/114			13:11																				
CCV 180-70345/115	1		13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB10 180-70345/116	1		13:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ITUNE 180-70345/1			21:06																				
STD1 180-70345/2 IC	1		21:38	X	X																		
STD2 180-70345/3 IC	1		21:43	X	X																		
STD3 180-70345/4 IC	1		21:48	X	X																		
ICV 180-70345/5	1		21:53	X	X																		
ICB 180-70345/6	1		22:01	X	X																		
CRI 180-70345/7	1		22:09	X	X																		
ICSA 180-70345/8	1		22:17	X	X																		
ICSAB 180-70345/9	1		22:26	X	X																		
CCV 180-70345/10	1		22:34		X																		
CCV 180-70345/11	1		22:44																				
CCV 180-70345/12	1		22:53	X	X																		
CCB1 180-70345/13	1		23:03	X	X																		
ZZZZZZ			23:11																				
ZZZZZZ			23:19																				
ZZZZZZ			23:28																				
ZZZZZZ			23:36																				
ZZZZZZ			23:44																				
ZZZZZZ			23:52																				
ZZZZZZ			00:00																				
ZZZZZZ			00:08																				
ZZZZZZ			00:17																				
ZZZZZZ			00:25																				
CCV 180-70345/24			00:33																				
CCB2 180-70345/25			00:41																				
ZZZZZZ			00:50																				
ZZZZZZ			00:58																				
ZZZZZZ			01:06																				
ZZZZZZ			01:14																				
ZZZZZZ			01:22																				
ZZZZZZ			01:30																				
ZZZZZZ			01:39																				
ZZZZZZ			01:47																				
ZZZZZZ			01:55																				
ZZZZZZ			02:03																				
CCV 180-70345/36			02:11																				
CCB3 180-70345/37			02:20																				
ZZZZZZ			02:28																				
ZZZZZZ			02:36																				
ZZZZZZ			02:44																				
ZZZZZZ			02:52																				
ZZZZZZ			03:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			03:09																				
ZZZZZZ			03:17																				
ZZZZZZ			03:25																				
ZZZZZZ			03:33																				
ZZZZZZ			03:42																				
CCV 180-70345/48	1		03:50	X	X																		
CCB4 180-70345/49	1		03:58	X	X																		
ZZZZZZ			04:06																				
ZZZZZZ			04:15																				
ZZZZZZ			04:23																				
ZZZZZZ			04:31																				
ZZZZZZ			04:39																				
MB 180-68556/1-A	1	T	04:47	X	X																		
LCS 180-68556/2-A	1	T	04:56	X	X																		
240-22488-2	1	T	05:04	X	X																		
240-22488-3	1	T	05:12	X	X																		
240-22488-4	1	T	05:20	X	X																		
CCV 180-70345/60	1		05:28	X	X																		
CCB5 180-70345/61	1		05:37	X	X																		
CRI 180-70345/62			05:45																				
CRI 180-70345/63			05:53																				
CCV 180-70345/64	1		06:02	X	X																		
CCB6 180-70345/65	1		06:10	X	X																		
240-22488-1	1	T	06:18	X	X																		
240-22488-1 SD	5	T	06:26	X	X																		
240-22488-1 DU	1	T	06:35	X	X																		
240-22488-1 MS	1	T	06:43	X	X																		
240-22488-1 PDS	1	T	06:51	X	X																		
240-22488-5	1	T	06:59	X	X																		
240-22488-6	1	T	07:08	X	X																		
240-22488-7	1	T	07:16	X	X																		
240-22488-8	1	T	07:24	X	X																		
240-22488-9	1	T	07:32	X	X																		
CCV 180-70345/76	1		07:40	X	X																		
CCB7 180-70345/77	1		07:49	X	X																		
240-22488-10	1	T	07:57	X	X																		
240-22488-11	1	T	08:05	X	X																		
240-22488-12	1	T	08:13	X	X																		
240-22488-13	1	T	08:22	X	X																		
240-22488-14	1	T	08:30	X	X																		
240-22488-15	1	T	08:38	X	X																		
240-22488-16	1	T	08:46	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/28/2013 21:06 End Date: 04/29/2013 13:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
240-22488-17	1	T	08:55	X	X																		
240-22488-18	1	T	09:03	X	X																		
240-22488-19	1	T	09:11	X	X																		
CCV 180-70345/88	1		09:19	X	X																		
CCB8 180-70345/89	1		09:28	X	X																		
240-22488-20	1	T	09:36	X	X																		
MB 180-68559/1-A	1	T	09:44	X	X																		
LCS 180-68559/2-A	1	T	09:52	X	X																		
240-22488-21	1	T	10:01	X	X																		
240-22488-22	1	T	10:09	X	X																		
240-22488-23	1	T	10:17	X	X																		
240-22488-24	1	T	10:26	X	X																		
ZZZZZZ			10:34																				
ZZZZZZ			10:42																				
ZZZZZZ			10:50																				
ZZZZZZ			10:59																				
CCV 180-70345/101	1		11:07	X	X																		
CCB9 180-70345/102	1		11:15	X	X																		
ZZZZZZ			11:23																				
ZZZZZZ			11:32																				
ZZZZZZ			11:40																				
ZZZZZZ			11:48																				
ZZZZZZ			11:57																				
ZZZZZZ			12:05																				
ZZZZZZ			12:13																				
ZZZZZZ			12:21																				
ZZZZZZ			12:30																				
ZZZZZZ			12:38																				
CRI 180-70345/113	1		13:03	X	X																		
CRI 180-70345/114			13:11																				
CCV 180-70345/115	1		13:19	X	X																		
CCB10 180-70345/116	1		13:28	X	X																		

Prep Types
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/28/2013 End Date: 04/29/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-70345/2 IC	21:38	100		100		100		100		100	
STD2 180-70345/3 IC	21:43	81		76		76		68		77	
STD3 180-70345/4 IC	21:48	83		80		81		80		82	
ICV 180-70345/5	21:53	93		79		79		72		80	
ICB 180-70345/6	22:01	100		100		101		101		101	
CRI 180-70345/7	22:09	104		101		108		101		101	
ICSA 180-70345/8	22:17	72		61		61		56		64	
ICSAB 180-70345/9	22:26	72		61		61		57		66	
CCV 180-70345/10	22:34	75		65		59		61		74	
CCV 180-70345/11	22:44	81		88		90		71		84	
CCV 180-70345/12	22:53	80		75		76		70		78	
CCB1 180-70345/13	23:03	97		96		99		100		101	
CCV 180-70345/48	03:50	71		66		68		61		68	
CCB4 180-70345/49	03:58	108		99		91		100		88	
MB 180-68556/1-A	04:47	78		76		78		82		79	
LCS 180-68556/2-A	04:56	67		62		56		57		61	
240-22488-2	05:04	61		60		0		53		61	
240-22488-3	05:12	63		62		0		54		62	
240-22488-4	05:20	62		61		0		54		62	
CCV 180-70345/60	05:28	67		62		64		57		65	
CCB5 180-70345/61	05:37	93		97		83		92		89	
CCV 180-70345/64	06:02	70		66		66		60		67	
CCB6 180-70345/65	06:10	97		100		84		90		85	
240-22488-1	06:18	61		59		0		52		60	
240-22488-1 SD	06:26	67		65		74		63		68	
240-22488-1 DU	06:35	61		60		0		53		61	
240-22488-1 MS	06:43	56		56		0		47		54	
240-22488-1 PDS	06:51	56		52		0		45		54	
240-22488-5	06:59	59		58		0		51		59	
240-22488-6	07:08	59		57		0		50		58	
240-22488-7	07:16	58		58		0		51		58	
240-22488-8	07:24	59		58		0		51		59	
240-22488-9	07:32	59		57		0		50		57	
CCV 180-70345/76	07:40	63		58		60		54		60	
CCB7 180-70345/77	07:49	96		93		76		84		83	
240-22488-10	07:57	58		57		0		50		57	
240-22488-11	08:05	57		57		0		50		57	
240-22488-12	08:13	58		57		0		50		57	
240-22488-13	08:22	58		56		0		50		57	
240-22488-14	08:30	58		56		0		49		57	
240-22488-15	08:38	56		56		0		48		56	
240-22488-16	08:46	57		54		0		47		54	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/28/2013 End Date: 04/29/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
240-22488-17	08:55	56		56		0		49		56	
240-22488-18	09:03	56		54		0		48		54	
240-22488-19	09:11	56		54		0		49		55	
CCV 180-70345/88	09:19	60		55		56		51		56	
CCB8 180-70345/89	09:28	99		90		79		84		85	
240-22488-20	09:36	54		53		0		46		53	
MB 180-68559/1-A	09:44	81		69		64		59		68	
LCS 180-68559/2-A	09:52	55		49		47		48		51	
240-22488-21	10:01	53		51		0		44		50	
240-22488-22	10:09	53		52		0		46		52	
240-22488-23	10:17	54		51		0		45		51	
240-22488-24	10:26	56		53		0		47		53	
CCV 180-70345/101	11:07	57		52		53		48		53	
CCB9 180-70345/102	11:15	93		81		70		82		86	
CRI 180-70345/113	13:03	76		68		68		61		64	
CCV 180-70345/115	13:19	56		50		49		47		49	
CCB10 180-70345/116	13:28	85		84		68		83		83	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/28/2013 End Date: 04/29/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-70345/2 IC	21:38	100		100		100					
STD2 180-70345/3 IC	21:43	83		84		83					
STD3 180-70345/4 IC	21:48	85		86		88					
ICV 180-70345/5	21:53	84		85		82					
ICB 180-70345/6	22:01	101		101		102					
CRI 180-70345/7	22:09	102		102		108					
ICSA 180-70345/8	22:17	67		67		65					
ICSAB 180-70345/9	22:26	69		69		73					
CCV 180-70345/10	22:34	71		71		79					
CCV 180-70345/11	22:44	89		89		68					
CCV 180-70345/12	22:53	84		85		81					
CCB1 180-70345/13	23:03	104		105		113					
CCV 180-70345/48	03:50	73		74		71					
CCB4 180-70345/49	03:58	91		92		104					
MB 180-68556/1-A	04:47	84		84		94					
LCS 180-68556/2-A	04:56	71		72		72					
240-22488-2	05:04	70		70		65					
240-22488-3	05:12	73		73		69					
240-22488-4	05:20	71		71		70					
CCV 180-70345/60	05:28	70		71		70					
CCB5 180-70345/61	05:37	88		89		93					
CCV 180-70345/64	06:02	72		73		77					
CCB6 180-70345/65	06:10	88		88		101					
240-22488-1	06:18	67		67		63					
240-22488-1 SD	06:26	73		74		82					
240-22488-1 DU	06:35	70		70		70					
240-22488-1 MS	06:43	63		62		56					
240-22488-1 PDS	06:51	65		64		63					
240-22488-5	06:59	68		68		68					
240-22488-6	07:08	67		66		62					
240-22488-7	07:16	68		68		68					
240-22488-8	07:24	68		68		68					
240-22488-9	07:32	65		65		61					
CCV 180-70345/76	07:40	66		68		72					
CCB7 180-70345/77	07:49	85		85		92					
240-22488-10	07:57	65		64		62					
240-22488-11	08:05	67		67		67					
240-22488-12	08:13	67		66		68					
240-22488-13	08:22	64		64		63					
240-22488-14	08:30	66		65		64					
240-22488-15	08:38	64		64		65					
240-22488-16	08:46	62		62		59					

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

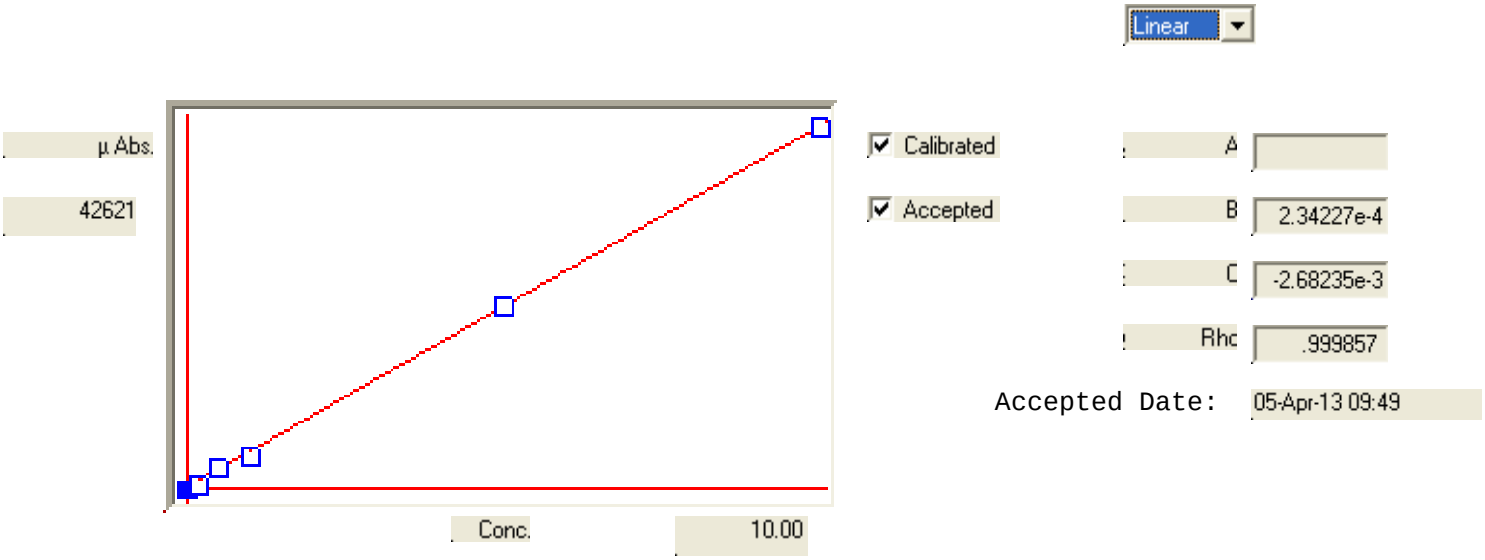
Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/28/2013 End Date: 04/29/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
240-22488-17	08:55	68		67		69					
240-22488-18	09:03	61		61		59					
240-22488-19	09:11	64		64		66					
CCV 180-70345/88	09:19	61		62		60					
CCB8 180-70345/89	09:28	86		86		91					
240-22488-20	09:36	63		63		63					
MB 180-68559/1-A	09:44	69		69		76					
LCS 180-68559/2-A	09:52	60		61		63					
240-22488-21	10:01	58		58		54					
240-22488-22	10:09	62		62		64					
240-22488-23	10:17	57		57		57					
240-22488-24	10:26	60		60		64					
CCV 180-70345/101	11:07	59		60		64					
CCB9 180-70345/102	11:15	87		88		88					
CRI 180-70345/113	13:03	66		67		83					
CCV 180-70345/115	13:19	53		53		52					
CCB10 180-70345/116	13:28	87		87		92					

Protocol: 0405AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0385	.0385	176	1	176				
02	.20000	.1507	-.0493	655	0%	655				
03	.50000	.5805	.0805	2491	0%	2490				
04	1.0000	.9014	-.0986	3861	0%	3860				
05	5.0000	5.048	.0484	21565	0%	21565				
06	10.000	9.980	-.0197	42621	0%	42621				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 09:39:40 05 Apr 13 HG

Hg .0000 ppb 447

*** Standard: 1 Rep: 1 Seq: 2 09:40:55 05 Apr 13 HG

Hg .0000 ppb 176

*** Standard: 2 Rep: 1 Seq: 3 09:42:12 05 Apr 13 HG

Hg .2000 ppb 655

*** Standard: 3 Rep: 1 Seq: 4 09:43:50 05 Apr 13 HG

Hg .5000 ppb 2490

*** Standard: 4 Rep: 1 Seq: 5 09:45:08 05 Apr 13 HG

Hg 1.000 ppb 3860

*** Standard: 5 Rep: 1 Seq: 6 09:46:36 05 Apr 13 HG

Hg 5.000 ppb 21565

*** Standard: 6 Rep: 1 Seq: 7 09:48:56 05 Apr 13 HG

Hg 10.00 ppb 42621

*** Check Standard: 2 Ck2ICV Seq: 8 09:50:13 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.6	2.541	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 9 09:51:31 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0765	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 10 09:52:46 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		112.1	.2243	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 11 09:54:04 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.2	5.061	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 12 09:55:22 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0786	.2000	ppb	.0000

*** Sample ID: Seq: 13 09:56:39 05 Apr 13 HG
MB 240-80424/1-A
Hg .0179 ppb .0000 .0179

*** Sample ID: Seq: 14 09:57:57 05 Apr 13 HG
LCS 240-80424/2-A
Hg 5.124 ppb .0000 5.124

*** Sample ID: Seq: 15 09:59:16 05 Apr 13 HG
240-22381-B-17-B
Hg .0514 ppb .0000 .0514

*** Sample ID: Seq: 16 10:00:31 05 Apr 13 HG
240-22381-B-17-C DU
Hg .1697 ppb .0000 .1697

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 17 10:02:19 05 Apr 13 HG
240-22381-B-17-D MS
Hg 1.070 ppb .0000 1.070

*** Sample ID: Seq: 18 10:03:36 05 Apr 13 HG
240-22381-B-18-B
Hg -.0170 ppb .0000 -.0170

*** Sample ID: Seq: 19 10:05:06 05 Apr 13 HG
240-22381-B-19-B
Hg .1788 ppb .0000 .1788

*** Sample ID: Seq: 20 10:06:32 05 Apr 13 HG
240-22381-B-20-B
Hg .2161 ppb .0000 .2161

*** Sample ID: Seq: 21 10:08:40 05 Apr 13 HG
240-22381-B-21-B
Hg .0655 ppb .0000 .0655

*** Sample ID: Seq: 22 10:10:09 05 Apr 13 HG
240-22381-B-22-B
Hg .1772 ppb .0000 .1772

*** Check Standard: 6 Ck6CCV Seq: 23 10:11:48 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.7	5.287	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 24 10:13:05 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0303	.2000	ppb	.0000

*** Sample ID: Seq: 25 10:14:51 05 Apr 13 HG
240-22381-B-23-B
Hg .1072 ppb .0000 .1072

*** Sample ID: Seq: 26 10:16:07 05 Apr 13 HG
240-22381-G-24-C
Hg .0992 ppb .0000 .0992

*** Sample ID: Seq: 27 10:17:52 05 Apr 13 HG
240-22381-B-25-B
Hg .1655 ppb .0000 .1655

*** Sample ID: Seq: 28 10:19:07 05 Apr 13 HG
240-22381-B-26-B
Hg .0957 ppb .0000 .0957

*** Sample ID: Seq: 29 10:20:33 05 Apr 13 HG
240-22381-B-27-B
Hg .0781 ppb .0000 .0781

*** Sample ID: Seq: 30 10:22:03 05 Apr 13 HG
240-22381-B-28-B
Hg .1112 ppb .0000 .1112

*** Sample ID: Seq: 31 10:23:18 05 Apr 13 HG
240-22381-B-29-B
Hg .0919 ppb .0000 .0919

*** Sample ID: Seq: 32 10:24:38 05 Apr 13 HG
240-22381-B-30-B
Hg -.0266 ppb .0000 -.0266

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	10:25:55 05 Apr 13	HG		
				240-22381-B-31-B				
Hg	.0620	ppb	.0000	.0620				
*** Sample ID:				Seq: 34	10:27:26 05 Apr 13	HG		
				240-22381-B-32-B				
Hg	.0837	ppb	.0000	.0837				
*** Check Standard: 6 Ck6CCV				Seq: 35	10:29:16 05 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.168	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 36	10:30:32 05 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0889	.2000	ppb	.0000			
*** Sample ID:				Seq: 37	10:32:18 05 Apr 13	HG		
				240-22381-B-33-B				
Hg	.0467	ppb	.0000	.0467				
*** Sample ID:				Seq: 38	10:34:37 05 Apr 13	HG		
				240-22381-B-34-A				
Hg	.3709	ppb	.0000	.3709				
*** Sample ID:				Seq: 39	10:35:55 05 Apr 13	HG		
				240-22381-B-35-A				
Hg	.2456	ppb	.0000	.2456				
*** Sample ID:				Seq: 40	10:37:10 05 Apr 13	HG		
				240-22381-B-36-A				
Hg	.2203	ppb	.0000	.2203				
*** Sample ID:				Seq: 41	10:38:38 05 Apr 13	HG		
				MB 240-80426/1-A				
Hg	.0306	ppb	.0000	.0306				
*** Sample ID:				Seq: 42	10:40:03 05 Apr 13	HG		
				LCS 240-80426/2-A				
Hg	5.175	ppb	.0000	5.175				
*** Sample ID:				Seq: 43	10:42:03 05 Apr 13	HG		
				240-22381-B-37-A				
Hg	.2081	ppb	.0000	.2081				
*** Sample ID:				Seq: 44	10:43:28 05 Apr 13	HG		
				240-22381-B-37-B DU				
Hg	.1873	ppb	.0000	.1873				
*** Sample ID:				Seq: 45	10:45:18 05 Apr 13	HG		
				240-22381-B-37-C MS				
Hg	1.253	ppb	.0000	1.253				
*** Sample ID:				Seq: 46	10:46:34 05 Apr 13	HG		
				240-22381-B-38-B				
Hg	.0800	ppb	.0000	.0800				
*** Check Standard: 6 Ck6CCV				Seq: 47	10:47:54 05 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.8	5.240	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 48	10:49:09 05 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0161	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 49		10:51:15 05 Apr 13		HG
				240-22381-B-39-B					
Hg	.0891	ppb	.0000	.0891					
*** Sample ID:					Seq: 50		10:52:32 05 Apr 13		HG
				240-22381-B-40-B					
Hg	.1254	ppb	.0000	.1254					
*** Sample ID:					Seq: 51		10:53:49 05 Apr 13		HG
				240-22381-B-41-B					
Hg	.0142	ppb	.0000	.0142					
*** Sample ID:					Seq: 52		10:55:17 05 Apr 13		HG
				240-22381-B-42-B					
Hg	.1599	ppb	.0000	.1599					
*** Sample ID:					Seq: 53		10:57:05 05 Apr 13		HG
				240-22381-B-43-B					
Hg	.1732	ppb	.0000	.1732					
*** Sample ID:					Seq: 54		10:59:03 05 Apr 13		HG
				240-22381-B-44-B					
Hg	.0924	ppb	.0000	.0924					
*** Sample ID:					Seq: 55		11:00:19 05 Apr 13		HG
				240-22381-B-45-B					
Hg	.1201	ppb	.0000	.1201					
*** Sample ID:					Seq: 56		11:01:46 05 Apr 13		HG
				240-22381-B-46-B					
Hg	.0317	ppb	.0000	.0317					
*** Check Standard: 6 Ck6CCV					Seq: 57		11:03:36 05 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		106.5	5.324	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB					Seq: 58		11:04:52 05 Apr 13		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		.0224	.2000	ppb	.0000				
*** Sample ID:					Seq: 59		11:06:29 05 Apr 13		HG
				240-22381-B-47-B					
Hg	.1046	ppb	.0000	.1046					
*** Sample ID:					Seq: 60		11:07:56 05 Apr 13		HG
				240-22381-B-48-B					
Hg	.1137	ppb	.0000	.1137					
*** Sample ID:					Seq: 61		11:09:34 05 Apr 13		HG
				240-22381-B-49-B					
Hg	.1812	ppb	.0000	.1812					
*** Sample ID:					Seq: 62		11:11:22 05 Apr 13		HG
				240-22381-B-50-B					
Hg	.1931	ppb	.0000	.1931					
*** Sample ID:					Seq: 63		11:12:49 05 Apr 13		HG
				240-22381-B-51-B					
Hg	.1723	ppb	.0000	.1723					
*** Sample ID:					Seq: 64		11:14:06 05 Apr 13		HG
				240-22392-B-2-B					
Hg	.1557	ppb	.0000	.1557					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 65		11:16:04 05 Apr 13			HG
				240-22392-B-3-B					
Hg	.1210	ppb	.0000	.1210					
*** Sample ID:				Seq: 66		11:17:21 05 Apr 13			HG
				240-22392-B-5-B					
Hg	.1615	ppb	.0000	.1615					
*** Sample ID:				Seq: 67		11:18:59 05 Apr 13			HG
				240-22392-B-6-B					
Hg	.0254	ppb	.0000	.0254					
*** Sample ID:				Seq: 68		11:20:16 05 Apr 13			HG
				240-22392-I-7-B					
Hg	.0467	ppb	.0000	.0467					

*** Check Standard: 6 Ck6CCV Seq: 69 11:21:52 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.1	5.205	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 70 11:23:14 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0214	.2000	ppb	.0000

*** Sample ID:				Seq: 71		11:24:29 05 Apr 13			HG
				MB 240-80419/1-A					
Hg	-.0104	ppb	.0000	-.0104					
*** Sample ID:				Seq: 72		11:25:55 05 Apr 13			HG
				LCS 240-80419/2-A					
Hg	5.190	ppb	.0000	5.190					
*** Sample ID:				Seq: 73		11:27:12 05 Apr 13			HG
				240-22684-E-1-B					
Hg	3.995	ppb	.0000	3.995					
*** Sample ID:				Seq: 74		11:28:39 05 Apr 13			HG
				240-22684-E-1-C MS					
Hg	2.943	ppb	.0000	2.943					
*** Sample ID:				Seq: 75		11:30:01 05 Apr 13			HG
				240-22684-E-1-D MSD					
Hg	2.692	ppb	.0000	2.692					
*** Sample ID:				Seq: 76		11:31:38 05 Apr 13			HG
				240-22684-E-22-B					
Hg	60.24 H	ppb	.0000	60.24					
*** Sample ID:				Seq: 77		11:32:58 05 Apr 13			HG
				240-22684-E-23-B					
Hg	26.61 H	ppb	.0000	26.61					
*** Sample ID:				Seq: 78		11:34:15 05 Apr 13			HG
				240-22684-E-24-B					
Hg	13.14 H	ppb	.0000	13.14					
*** Sample ID:				Seq: 79		11:35:37 05 Apr 13			HG
				240-22684-E-25-B					
Hg	10.06 H	ppb	.0000	10.06					
*** Sample ID:				Seq: 80		11:36:53 05 Apr 13			HG
				240-22684-E-26-B					
Hg	23.38 H	ppb	.0000	23.38					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 81 11:38:34 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	5.193	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 82 11:39:55 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0901	.2000	ppb	.0000

*** Sample ID: Seq: 83 11:42:43 05 Apr 13 HG
240-22614-A-1-F

Hg	.0385	ppb	.0000	.0385

*** Sample ID: Seq: 84 11:44:00 05 Apr 13 HG
240-22618-B-1-C

Hg	.1770	ppb	.0000	.1770

*** Sample ID: Seq: 85 11:45:58 05 Apr 13 HG
MB 240-80564/1-A

Hg	.0170	ppb	.0000	.0170

*** Sample ID: Seq: 86 11:47:37 05 Apr 13 HG
LCS 240-80564/2-A

Hg	5.194	ppb	.0000	5.194

*** Sample ID: Seq: 87 11:49:14 05 Apr 13 HG
240-22392-J-8-E

Hg	.1681	ppb	.0000	.1681

*** Sample ID: Seq: 88 11:50:44 05 Apr 13 HG
240-22392-J-8-F DU

Hg	.1863	ppb	.0000	.1863

*** Sample ID: Seq: 89 11:52:03 05 Apr 13 HG
240-22392-J-8-G MS

Hg	1.308	ppb	.0000	1.308

*** Sample ID: Seq: 90 11:53:42 05 Apr 13 HG
240-22392-B-9-B

Hg	.1674	ppb	.0000	.1674

*** Sample ID: Seq: 91 11:55:00 05 Apr 13 HG
240-22392-B-10-B

Hg	.1432	ppb	.0000	.1432

*** Sample ID: Seq: 92 11:56:47 05 Apr 13 HG
240-22392-B-11-B

Hg	.1475	ppb	.0000	.1475

*** Check Standard: 6 Ck6CCV Seq: 93 11:58:06 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.4	5.221	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 94 11:59:32 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0783	.2000	ppb	.0000

*** Sample ID: Seq: 95 12:01:00 05 Apr 13 HG
240-22392-G-12-E

Hg	.0976	ppb	.0000	.0976

*** Sample ID: Seq: 96 12:02:30 05 Apr 13 HG
240-22392-B-13-B

Hg	.2020	ppb	.0000	.2020

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 97		12:03:50 05 Apr 13			HG
				240-22392-B-14-B					
Hg	.0823	ppb	.0000	.0823					
*** Sample ID:				Seq: 98		12:06:27 05 Apr 13			HG
				240-22392-B-15-B					
Hg	.2301	ppb	.0000	.2301					
*** Sample ID:				Seq: 99		12:09:18 05 Apr 13			HG
				240-22392-B-16-B					
Hg	.2084	ppb	.0000	.2084					
*** Sample ID:				Seq: 100		12:10:45 05 Apr 13			HG
				240-22392-B-17-B					
Hg	.2416	ppb	.0000	.2416					
*** Sample ID:				Seq: 101		12:12:06 05 Apr 13			HG
				240-22392-B-18-B					
Hg	.2276	ppb	.0000	.2276					
*** Sample ID:				Seq: 102		12:13:24 05 Apr 13			HG
				240-22392-B-19-B					
Hg	.1135	ppb	.0000	.1135					
*** Sample ID:				Seq: 103		12:15:25 05 Apr 13			HG
				240-22488-C-1-B					
Hg	.1589	ppb	.0000	.1589					
*** Sample ID:				Seq: 104		12:16:48 05 Apr 13			HG
				240-22488-C-2-B					
Hg	.2203	ppb	.0000	.2203					
*** Check Standard: 6 Ck6CCV				Seq: 105		12:18:09 05 Apr 13			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		102.4	5.119	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB				Seq: 106		12:19:29 05 Apr 13			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		.0111	.2000	ppb	.0000				
*** Sample ID:				Seq: 107		12:20:46 05 Apr 13			HG
				240-22488-C-3-B					
Hg	.2196	ppb	.0000	.2196					
*** Sample ID:				Seq: 108		12:22:06 05 Apr 13			HG
				240-22488-C-4-B					
Hg	.1627	ppb	.0000	.1627					
*** Sample ID:				Seq: 109		12:24:35 05 Apr 13			HG
				240-22488-G-5-D					
Hg	.3175	ppb	.0000	.3175					
*** Sample ID:				Seq: 110		12:26:12 05 Apr 13			HG
				240-22488-C-6-B					
Hg	.2557	ppb	.0000	.2557					
*** Sample ID:				Seq: 111		12:27:51 05 Apr 13			HG
				240-22488-G-7-D					
Hg	.2693	ppb	.0000	.2693					
*** Sample ID:				Seq: 112		12:29:18 05 Apr 13			HG
				240-22488-C-8-B					
Hg	.0987	ppb	.0000	.0987					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 113 12:30:56 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.5	5.227	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 114 12:32:15 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0355	.2000	ppb	.0000

*** Sample ID: Seq: 115 12:40:30 05 Apr 13 HG
240-22684-E-22-B@20

Hg	3.100	ppb	.0000	3.100

*** Sample ID: Seq: 116 12:42:09 05 Apr 13 HG
240-22684-E-23-B@10

Hg	2.703	ppb	.0000	2.703

*** Sample ID: Seq: 117 12:44:54 05 Apr 13 HG
240-22684-E-24-B@4

Hg	3.299	ppb	.0000	3.299

*** Sample ID: Seq: 118 12:46:13 05 Apr 13 HG
240-22684-E-25-B@2

Hg	5.154	ppb	.0000	5.154

*** Sample ID: Seq: 119 12:47:32 05 Apr 13 HG
240-22684-E-26-B@5

Hg	4.768	ppb	.0000	4.768

*** Check Standard: 6 Ck6CCV Seq: 120 12:49:47 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.3	5.165	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 121 12:51:03 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0699	.2000	ppb	.0000

*** Sample ID: Seq: 122 12:52:18 05 Apr 13 HG
MB 240-80610/1-A

Hg	.0833	ppb	.0000	.0833

*** Sample ID: Seq: 123 12:53:53 05 Apr 13 HG
LCS 240-80610/2-A

Hg	5.275	ppb	.0000	5.275

*** Sample ID: Seq: 124 12:55:18 05 Apr 13 HG
240-22559-T-6-B

Hg	.0966	ppb	.0000	.0966

*** Sample ID: Seq: 125 12:56:44 05 Apr 13 HG
240-22559-R-6-C MS

Hg	1.220	ppb	.0000	1.220

*** Sample ID: Seq: 126 12:58:21 05 Apr 13 HG
240-22559-R-6-E DU

Hg	.1334	ppb	.0000	.1334

*** Sample ID: Seq: 127 12:59:40 05 Apr 13 HG
240-22559-R-13-C

Hg	.2208	ppb	.0000	.2208

*** Sample ID: Seq: 128 13:01:19 05 Apr 13 HG
240-22559-R-13-F DU

Hg	.1357	ppb	.0000	.1357

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 129 13:02:46 05 Apr 13 HG
240-22559-T-13-B MS

Hg	1.208	ppb	.0000	1.208				

*** Sample ID: Seq: 130 13:04:03 05 Apr 13 HG
240-22559-D-5-B

Hg	.2688	ppb	.0000	.2688				

*** Sample ID: Seq: 131 13:05:31 05 Apr 13 HG
240-22559-G-7-B

Hg	.1446	ppb	.0000	.1446				

*** Check Standard: 6 Ck6CCV Seq: 132 13:07:41 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.2	5.162	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 133 13:09:00 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0144	.2000	ppb	.0000

*** Sample ID: Seq: 134 13:10:20 05 Apr 13 HG
240-22559-G-8-B

Hg	.3189	ppb	.0000	.3189				

*** Sample ID: Seq: 135 13:11:41 05 Apr 13 HG
240-22559-G-10-B

Hg	.3845	ppb	.0000	.3845				

*** Sample ID: Seq: 136 13:12:59 05 Apr 13 HG
240-22559-G-11-B

Hg	14.20 H	ppb	.0000	14.20				

*** Sample ID: Seq: 137 13:14:27 05 Apr 13 HG
240-22559-G-12-B

Hg	5.616	ppb	.0000	5.616				

*** Sample ID: Seq: 138 13:15:44 05 Apr 13 HG
240-22559-G-14-B

Hg	.0690	ppb	.0000	.0690				

*** Sample ID: Seq: 139 13:17:00 05 Apr 13 HG
240-22559-G-15-B

Hg	.2198	ppb	.0000	.2198				

*** Sample ID: Seq: 140 13:19:16 05 Apr 13 HG
240-22559-G-16-B

Hg	.2435	ppb	.0000	.2435				

*** Sample ID: Seq: 141 13:20:33 05 Apr 13 HG
240-22559-G-17-B

Hg	.1100	ppb	.0000	.1100				

*** Sample ID: Seq: 142 13:21:51 05 Apr 13 HG
240-22559-G-18-B

Hg	.1713	ppb	.0000	.1713				

*** Sample ID: Seq: 143 13:23:10 05 Apr 13 HG
240-22559-D-19-B

Hg	.1301	ppb	.0000	.1301				

*** Check Standard: 6 Ck6CCV Seq: 144 13:24:25 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	5.197	5.000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 145 13:25:40 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0308	.2000	ppb	.0000

*** Sample ID: Seq: 146 13:27:06 05 Apr 13 HG
240-22559-D-22-B

Hg	.1744	ppb	.0000	.1744	

*** Sample ID: Seq: 147 13:28:23 05 Apr 13 HG
240-22559-G-23-B

Hg	.1172	ppb	.0000	.1172	

*** Sample ID: Seq: 148 13:30:40 05 Apr 13 HG
240-22559-G-24-B

Hg	.1290	ppb	.0000	.1290	

*** Sample ID: Seq: 149 13:31:55 05 Apr 13 HG
240-22559-G-25-A

Hg	.0793	ppb	.0000	.0793	

*** Sample ID: Seq: 150 13:33:12 05 Apr 13 HG
240-22559-G-26-B

Hg	.1997	ppb	.0000	.1997	

*** Sample ID: Seq: 151 13:34:44 05 Apr 13 HG
240-22559-G-27-B

Hg	.1015	ppb	.0000	.1015	

*** Sample ID: Seq: 152 13:36:05 05 Apr 13 HG
MB 240-80582/1-A

Hg	.0517	ppb	.0000	.0517	

*** Sample ID: Seq: 153 13:38:03 05 Apr 13 HG
LCS 240-80582/2-A

Hg	5.319	ppb	.0000	5.319	

*** Sample ID: Seq: 154 13:39:22 05 Apr 13 HG
240-22488-C-9-B

Hg	.2967	ppb	.0000	.2967	

*** Check Standard: 6 Ck6CCV Seq: 155 13:40:39 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.8	5.238	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 156 13:41:58 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0517	.2000	ppb	.0000

*** Sample ID: Seq: 157 13:43:35 05 Apr 13 HG
240-22488-C-9-B

Hg	.2746	ppb	.0000	.2746	

*** Sample ID: Seq: 158 13:45:44 05 Apr 13 HG
240-22488-C-9-C DU

Hg	.2566	ppb	.0000	.2566	

*** Sample ID: Seq: 159 13:47:10 05 Apr 13 HG
240-22488-C-9-D MS

Hg	1.308	ppb	.0000	1.308	

*** Sample ID: Seq: 160 13:48:59 05 Apr 13 HG
240-22488-C-10-B

Hg	.2177	ppb	.0000	.2177	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 161	13:50:39 05 Apr 13			HG
				240-22488-G-11-D					
Hg	.0908	ppb	.0000	.0908					
*** Sample ID:					Seq: 162	13:52:07 05 Apr 13			HG
				240-22488-C-12-B					
Hg	.1437	ppb	.0000	.1437					
*** Sample ID:					Seq: 163	13:53:43 05 Apr 13			HG
				240-22488-C-13-B					
Hg	.2690	ppb	.0000	.2690					
*** Sample ID:					Seq: 164	13:55:19 05 Apr 13			HG
				240-22488-C-14-B					
Hg	.2957	ppb	.0000	.2957					
*** Sample ID:					Seq: 165	13:56:36 05 Apr 13			HG
				240-22488-C-15-B					
Hg	.2768	ppb	.0000	.2768					
*** Sample ID:					Seq: 166	13:58:22 05 Apr 13			HG
				240-22488-C-16-B					
Hg	.1547	ppb	.0000	.1547					
*** Check Standard: 6 Ck6CCV					Seq: 167	14:00:01 05 Apr 13			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.9	5.246	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB					Seq: 168	14:01:28 05 Apr 13			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		.0205	.2000	ppb	.0000				
*** Sample ID:					Seq: 169	14:02:55 05 Apr 13			HG
				240-22488-C-17-B					
Hg	.2037	ppb	.0000	.2037					
*** Sample ID:					Seq: 170	14:04:32 05 Apr 13			HG
				240-22488-G-18-D					
Hg	.2775	ppb	.0000	.2775					
*** Sample ID:					Seq: 171	14:06:02 05 Apr 13			HG
				240-22488-C-19-B					
Hg	.2032	ppb	.0000	.2032					
*** Sample ID:					Seq: 172	14:08:09 05 Apr 13			HG
				240-22488-C-20-B					
Hg	.1927	ppb	.0000	.1927					
*** Sample ID:					Seq: 173	14:09:30 05 Apr 13			HG
				240-22488-C-21-B					
Hg	.2217	ppb	.0000	.2217					
*** Sample ID:					Seq: 174	14:10:51 05 Apr 13			HG
				240-22488-C-22-B					
Hg	.1901	ppb	.0000	.1901					
*** Sample ID:					Seq: 175	14:12:23 05 Apr 13			HG
				240-22488-G-23-H					
Hg	.2067	ppb	.0000	.2067					
*** Sample ID:					Seq: 176	14:14:04 05 Apr 13			HG
				240-22488-C-24-B					
Hg	.2800	ppb	.0000	.2800					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 177 14:15:22 05 Apr 13 HG
240-22559-G-1-B
Hg 3.025 ppb .0000 3.025

*** Sample ID: Seq: 178 14:16:38 05 Apr 13 HG
240-22559-G-2-B
Hg .3231 ppb .0000 .3231

*** Check Standard: 6 Ck6CCV Seq: 179 14:17:54 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.1	5.156	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 180 14:19:39 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0006	.2000	ppb	.0000

*** Sample ID: Seq: 181 14:20:55 05 Apr 13 HG
240-22559-G-3-B
Hg .2374 ppb .0000 .2374

*** Sample ID: Seq: 182 14:22:31 05 Apr 13 HG
240-22559-D-4-B
Hg 6.379 ppb .0000 6.379

*** Sample ID: Seq: 183 14:23:57 05 Apr 13 HG
240-22559-G-11-B@4
Hg 3.536 ppb .0000 3.536

*** Sample ID: Seq: 184 14:25:34 05 Apr 13 HG
Ck4CRA\MRL
Hg .2367 ppb .0000 .2367

*** Check Standard: 6 Ck6CCV Seq: 185 14:27:04 05 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.4	5.219	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 186 14:28:19 05 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0142	.2000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 4/5/2013 Analyst: A. Sutherland Instrument: H 1

Review Items				
A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 4/8/2013 Reviewed from 9:39 to 14:28

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: _____

Level II

Reviewer: [signature] Date/Time: 4/10/13 Reviewed from 9:39 to 14:28

Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 4/5/2013 Curve Time 7:50-8:20 DILUTION H20 00013

Revised 11/29/2012

Dilution Corrected Concentrations

STD1 787361 INT STD 4/28/2013 9:38:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	99.035%	0.018	0.115	0.119	0.000	-0.212	-0.002	-0.040
2	21:39:46	99.382%	-0.007	-0.157	-0.066	0.000	0.682	0.052	0.079
3	21:40:29	101.582%	-0.011	0.042	-0.052	0.000	-0.469	-0.050	-0.039
x		100.000%	0.000	0.000	-0.000	0.000	-0.000	-0.000	0.000
σ		1.381%	0.016	0.141	0.103	0.000	0.604	0.051	0.068
%RSD		1.381	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	-0.001	-0.489	0.000	-0.123	0.287	-0.155	99.220%	-0.017
2	21:39:46	0.012	0.209	0.000	-0.116	-0.542	-0.463	99.579%	-0.009
3	21:40:29	-0.011	0.280	0.000	0.239	0.255	0.618	101.201%	0.026
x		0.000	-0.000	0.000	0.000	-0.000	-0.000	100.000%	0.000
σ		0.011	0.425	0.000	0.207	0.469	0.557	1.056%	0.023
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.056	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	0.009	0.014	0.001	-0.078	-0.231	-0.001	-0.008	-0.004
2	21:39:46	0.006	-0.009	-0.003	0.079	0.433	-0.000	-0.011	-0.007
3	21:40:29	-0.015	-0.004	0.003	-0.002	-0.203	0.001	0.019	0.011
x		-0.000	-0.000	-0.000	0.000	-0.000	-0.000	0.000	0.000
σ		0.013	0.012	0.003	0.079	0.375	0.001	0.017	0.010
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	-0.013	0.001	-0.013	0.024	-0.009	0.075	0.000	0.000
2	21:39:46	0.010	0.009	0.003	0.025	-0.112	0.065	0.000	0.000
3	21:40:29	0.003	-0.010	0.009	-0.049	0.121	-0.140	0.000	-0.000
x		0.000	0.000	-0.000	0.000	-0.000	0.000	0.000	0.000
σ		0.012	0.009	0.011	0.043	0.117	0.121	0.000	0.000
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	98.456%	0.001	-0.001	99.453%	0.000	-0.003	-0.011	-0.007
2	21:39:46	100.226%	-0.001	0.000	100.051%	0.000	0.004	0.023	0.017
3	21:40:29	101.319%	0.001	0.000	100.496%	-0.001	-0.001	-0.012	-0.010
x		100.000%	-0.000	0.000	100.000%	-0.000	0.000	0.000	-0.000
σ		1.445%	0.001	0.001	0.523%	0.000	0.004	0.020	0.014
%RSD		1.445	0.000	0.000	0.523	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	98.601%	-0.006	0.004	0.002	0.000	0.001	98.420%	98.261%
2	21:39:46	99.847%	0.005	-0.009	-0.002	0.004	-0.003	99.872%	100.115%
3	21:40:29	101.552%	0.001	0.005	-0.000	-0.004	0.003	101.708%	101.625%
x		100.000%	-0.000	-0.000	0.000	0.000	0.000	100.000%	100.000%
σ		1.481%	0.006	0.008	0.002	0.004	0.003	1.647%	1.685%
%RSD		1.481	0.000	0.000	0.000	0.000	0.000	1.647	1.685

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:03	-0.002	-0.002	-0.001	0.001	-0.000	97.567%
2	21:39:46	0.002	0.003	-0.003	0.002	-0.001	100.055%
3	21:40:29	-0.000	-0.001	0.004	-0.003	0.001	102.379%
x		-0.000	0.000	-0.000	0.000	-0.000	100.000%
σ		0.002	0.003	0.004	0.003	0.001	2.406%
%RSD		0.000	0.000	0.000	0.000	0.000	2.406

STD2 781421 4/28/2013 9:43:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	81.501%	201.000	0.461	0.359	0.000	100900.000	100600.000	100700.000
2	21:45:11	81.288%	195.700	0.543	0.336	0.000	97700.000	97870.000	97800.000
3	21:45:53	79.298%	203.300	0.400	0.328	0.000	101400.000	101600.000	101500.000
x		80.696%	200.000	0.468	0.341	0.000	100000.000	100000.000	100000.000
σ		1.215%	3.906	0.071	0.016	0.000	2007.000	1910.000	1948.000
%RSD		1.505	1.953	15.270	4.771	0.000	2.007	1.910	1.948
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	1006.000	13.700	0.000	100500.000	100000.000	100900.000	77.261%	0.170
2	21:45:11	976.900	14.220	0.000	97570.000	97860.000	97070.000	77.113%	0.209
3	21:45:53	1017.000	16.460	0.000	101900.000	102100.000	102000.000	74.735%	1.550
x		1000.000	14.790	0.000	100000.000	100000.000	100000.000	76.370%	0.643
σ		20.800	1.468	0.000	2224.000	2134.000	2589.000	1.418%	0.785
%RSD		2.080	9.924	0.000	2.224	2.134	2.589	1.857	122.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	201.900	202.300	1008.000	50360.000	50390.000	201.800	203.000	203.700
2	21:45:11	194.300	193.700	969.400	48610.000	48620.000	193.400	193.200	192.800
3	21:45:53	203.800	204.000	1022.000	51030.000	50980.000	204.700	203.800	203.500
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		4.991	5.503	27.360	1253.000	1226.000	5.866	5.916	6.222
%RSD		2.495	2.751	2.736	2.506	2.453	2.933	2.958	3.111
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	202.400	201.000	200.400	199.600	200.600	201.300	0.000	201.200
2	21:45:11	194.500	195.200	193.600	194.400	195.800	195.500	0.000	195.500
3	21:45:53	203.100	203.700	206.100	206.000	203.600	203.100	0.000	203.200
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		4.792	4.360	6.250	5.829	3.948	3.959	0.000	3.981
%RSD		2.396	2.180	3.125	2.914	1.974	1.980	0.000	1.991
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	76.962%	0.211	0.233	67.166%	204.500	203.200	201.300	200.600
2	21:45:11	77.212%	0.212	0.209	72.058%	187.700	190.000	192.600	193.800
3	21:45:53	75.001%	0.203	0.224	64.921%	207.800	206.900	206.100	205.600
x		76.392%	0.209	0.222	68.049%	200.000	200.000	200.000	200.000
σ		1.211%	0.005	0.012	3.649%	10.810	8.885	6.875	5.914
%RSD		1.585	2.261	5.240	5.363	5.403	4.443	3.437	2.957
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	77.674%	0.097	0.093	0.102	201.400	201.500	83.015%	84.019%
2	21:45:11	78.279%	0.109	0.093	0.095	194.200	195.600	84.091%	84.997%
3	21:45:53	75.066%	0.115	0.101	0.116	204.300	202.900	81.788%	82.589%
x		77.007%	0.107	0.096	0.104	200.000	200.000	82.965%	83.868%
σ		1.707%	0.009	0.005	0.010	5.192	3.898	1.152%	1.211%
%RSD		2.217	8.444	5.133	10.060	2.596	1.949	1.389	1.444
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:44:27	198.700	199.200	200.600	199.500	199.900	83.400%		
2	21:45:11	196.500	195.800	195.700	195.900	195.600	83.664%		
3	21:45:53	204.800	205.000	203.700	204.600	204.500	81.321%		
x		200.000	200.000	200.000	200.000	200.000	82.795%		
σ		4.301	4.658	4.038	4.349	4.443	1.283%		
%RSD		2.151	2.329	2.019	2.174	2.222	1.550		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	80.453%	0.095	200.900	201.400	0.000	46.160	29.950	31.590
2	21:49:58	83.392%	0.065	201.700	197.500	0.000	42.770	30.460	29.890
3	21:50:40	85.257%	0.039	197.500	201.100	0.000	41.400	29.290	29.120
x		83.034%	0.066	200.000	200.000	0.000	43.440	29.900	30.200
σ		2.422%	0.028	2.223	2.158	0.000	2.453	0.589	1.267
%RSD		2.916	42.000	1.112	1.079	0.000	5.647	1.971	4.196

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	7.924	10160.000	0.000	40.290	51.200	104.600	77.835%	201.500
2	21:49:58	7.638	9969.000	0.000	34.930	43.280	97.510	80.635%	200.400
3	21:50:40	7.432	9867.000	0.000	33.210	33.430	94.090	82.300%	198.100
x		7.665	10000.000	0.000	36.140	42.640	98.740	80.257%	200.000
σ		0.247	151.400	0.000	3.691	8.902	5.362	2.256%	1.737
%RSD		3.218	1.514	0.000	10.210	20.880	5.431	2.812	0.868

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	0.025	-0.035	1.020	26.920	28.180	0.078	0.135	0.236
2	21:49:58	0.063	-0.033	0.992	22.660	23.010	0.050	0.147	0.275
3	21:50:40	0.047	-0.023	0.947	20.550	20.300	0.064	0.134	0.249
x		0.045	-0.030	0.986	23.380	23.830	0.064	0.139	0.253
σ		0.019	0.007	0.037	3.241	4.005	0.014	0.007	0.020
%RSD		42.480	21.630	3.722	13.870	16.810	22.390	5.065	7.883

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	0.396	2.933	3.067	0.320	0.688	0.389	0.000	0.114
2	21:49:58	0.353	2.625	2.631	0.263	0.493	1.032	0.000	0.131
3	21:50:40	0.368	2.617	2.726	0.054	0.372	-0.408	0.000	0.129
x		0.372	2.725	2.808	0.212	0.517	0.338	0.000	0.125
σ		0.022	0.180	0.229	0.140	0.159	0.722	0.000	0.009
%RSD		5.888	6.598	8.157	65.790	30.800	213.600	0.000	7.525

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	78.378%	200.200	200.500	77.345%	0.129	0.138	0.195	-0.353
2	21:49:58	80.482%	199.600	199.900	79.957%	0.126	0.138	0.167	-0.486
3	21:50:40	82.771%	200.200	199.500	81.661%	0.129	0.107	0.060	-0.427
x		80.543%	200.000	200.000	79.654%	0.128	0.128	0.141	-0.422
σ		2.197%	0.360	0.493	2.174%	0.002	0.018	0.072	0.066
%RSD		2.728	0.180	0.247	2.729	1.425	14.040	50.940	15.710

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	79.816%	202.500	202.300	202.600	0.200	0.348	83.670%	84.354%
2	21:49:58	82.565%	200.100	200.500	200.900	0.237	0.326	85.547%	86.422%
3	21:50:40	84.374%	197.300	197.200	196.400	0.219	0.353	87.109%	87.489%
x		82.252%	200.000	200.000	200.000	0.218	0.342	85.442%	86.089%
σ		2.295%	2.602	2.547	3.192	0.019	0.015	1.722%	1.594%
%RSD		2.790	1.301	1.274	1.596	8.507	4.289	2.015	1.851

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:14	0.058	0.049	0.147	0.123	0.133	90.334%
2	21:49:58	0.056	0.050	0.135	0.128	0.129	88.521%
3	21:50:40	0.047	0.041	0.118	0.095	0.119	86.133%
x		0.054	0.046	0.133	0.115	0.127	88.329%
σ		0.006	0.005	0.015	0.018	0.007	2.107%
%RSD		10.690	9.778	11.100	15.660	5.588	2.386

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	93.145%	72.570	88.760	87.750	0.000	36760.000	36520.000	36570.000
2	21:54:46	95.127%	69.910	86.880	85.840	0.000	35070.000	35070.000	35030.000
3	21:55:28	90.596%	74.200	87.820	90.710	0.000	37920.000	37690.000	37510.000
x		92.956%	90.282%	109.773%	110.128%	0.000	91.457%	91.070%	90.927%
σ		2.271%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.444	2.999	1.073	2.783	0.000	3.929	3.604	3.455
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	379.800	4825.000	0.000	38360.000	38960.000	38630.000	78.386%	80.140
2	21:54:46	360.400	4564.000	0.000	36190.000	36170.000	34810.000	80.722%	77.050
3	21:55:28	384.400	4916.000	0.000	39220.000	39500.000	39240.000	76.373%	83.380
x		93.717%	119.210%	0.000	94.810%	95.533%	93.904%	78.494%	100.236%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.177%	n/a
%RSD		3.403	3.830	0.000	4.126	4.674	6.394	2.773	3.944
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	79.950	80.970	376.900	19680.000	19000.000	81.110	82.330	84.120
2	21:54:46	75.340	75.770	357.600	18480.000	17840.000	75.870	76.850	77.890
3	21:55:28	82.090	81.180	383.700	19920.000	19290.000	81.560	81.860	83.330
x		98.909%	99.128%	93.187%	96.788%	93.542%	99.390%	100.430%	102.228%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.359	3.865	3.630	3.989	4.072	3.979	3.781	4.145
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	83.540	82.780	82.320	82.920	81.820	83.750	0.000	77.790
2	21:54:46	77.810	77.940	78.850	77.860	78.080	79.390	0.000	74.020
3	21:55:28	84.150	83.920	84.770	81.960	83.660	82.110	0.000	79.010
x		102.292%	101.936%	102.475%	101.143%	101.485%	102.187%	0.000	96.176%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.269	3.896	3.633	3.321	3.504	2.695	0.000	3.381
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	78.879%	83.430	85.060	69.944%	82.440	82.090	80.910	80.410
2	21:54:46	80.853%	78.470	78.590	75.823%	75.190	76.310	76.120	76.390
3	21:55:28	77.550%	85.240	88.140	69.207%	82.810	83.780	82.940	81.490
x		79.094%	102.975%	104.911%	71.658%	100.186%	100.906%	99.989%	99.284%
σ		1.662%	n/a	n/a	3.626%	n/a	n/a	n/a	n/a
%RSD		2.101	4.257	5.811	5.060	5.360	4.856	4.376	3.381
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:03	79.198%	79.960	78.170	79.750	78.940	79.550	82.383%	83.178%
2	21:54:46	81.452%	76.240	74.800	75.180	75.600	76.030	85.723%	86.672%
3	21:55:28	78.066%	82.190	80.250	80.220	81.970	80.320	84.594%	84.955%
x		79.572%	99.330%	97.179%	97.978%	98.544%	98.288%	84.233%	84.935%
σ		1.724%	n/a	n/a	n/a	n/a	n/a	1.699%	1.747%
%RSD		2.166	3.783	3.535	3.554	4.045	2.906	2.017	2.057
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:54:03	81.010	80.250	76.640	80.130	78.050	79.334%		
2	21:54:46	77.210	76.720	72.720	75.830	74.280	84.242%		
3	21:55:28	82.640	82.320	79.080	82.280	80.410	82.470%		
x		100.356%	99.705%	95.179%	99.267%	96.975%	82.015%		
σ		n/a	n/a	n/a	n/a	n/a	2.485%		
%RSD		3.470	3.553	4.212	4.131	3.984	3.030		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	97.197%	0.010	1.582	1.553	0.000	1.743	1.237	0.939
2	22:03:03	99.474%	0.010	1.017	1.102	0.000	3.333	2.047	2.149
3	22:03:46	103.891%	0.001	1.232	1.055	0.000	2.243	2.186	2.183
x		100.187%	0.007	1.277	1.237	0.000	2.440	1.823	1.757
σ		3.404%	0.005	0.285	0.275	0.000	0.813	0.512	0.709
%RSD		3.397	78.460	22.340	22.200	0.000	33.310	28.110	40.330
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	0.778	2.006	0.000	6.674	3.684	2.063	97.412%	-0.225
2	22:03:03	1.161	1.515	0.000	7.059	1.923	4.625	99.734%	-0.188
3	22:03:46	1.404	1.161	0.000	4.980	4.932	3.119	104.142%	-0.136
x		1.114	1.560	0.000	6.238	3.513	3.269	100.429%	-0.183
σ		0.316	0.424	0.000	1.106	1.512	1.287	3.419%	0.045
%RSD		28.320	27.200	0.000	17.730	43.040	39.380	3.404	24.460
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	0.007	-0.000	0.138	1.667	2.088	0.004	0.053	0.128
2	22:03:03	0.007	-0.014	0.231	2.429	2.420	0.007	0.034	0.076
3	22:03:46	-0.003	-0.017	0.280	1.821	2.837	0.004	0.038	0.092
x		0.004	-0.010	0.216	1.972	2.448	0.005	0.041	0.098
σ		0.006	0.009	0.072	0.403	0.376	0.002	0.010	0.027
%RSD		157.200	84.400	33.430	20.420	15.340	32.800	24.440	27.130
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	0.127	0.238	0.139	0.157	0.199	0.495	0.000	0.016
2	22:03:03	0.117	0.258	0.209	0.157	0.096	0.513	0.000	0.023
3	22:03:46	0.104	0.220	0.212	0.058	0.091	0.087	0.000	0.027
x		0.116	0.239	0.187	0.124	0.129	0.365	0.000	0.022
σ		0.012	0.019	0.042	0.057	0.061	0.241	0.000	0.005
%RSD		9.922	7.895	22.230	46.150	47.230	65.980	0.000	24.810
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	97.670%	0.251	0.257	97.900%	0.001	0.003	0.121	0.090
2	22:03:03	99.660%	0.235	0.248	100.327%	-0.005	-0.003	0.105	0.074
3	22:03:46	104.412%	0.197	0.191	104.758%	-0.003	-0.000	0.116	0.081
x		100.581%	0.228	0.232	100.995%	-0.002	-0.000	0.114	0.082
σ		3.464%	0.028	0.036	3.477%	0.003	0.003	0.008	0.008
%RSD		3.444	12.100	15.400	3.443	113.400	3709.000	7.358	10.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:20	98.160%	0.070	0.011	0.001	0.004	0.018	99.185%	99.014%
2	22:03:03	99.467%	0.078	0.002	0.009	0.004	0.022	100.115%	100.497%
3	22:03:46	104.701%	0.055	0.001	0.009	0.002	0.033	103.174%	103.821%
x		100.776%	0.068	0.005	0.006	0.003	0.024	100.825%	101.111%
σ		3.461%	0.012	0.005	0.004	0.001	0.008	2.087%	2.462%
%RSD		3.435	17.530	114.900	69.160	26.760	32.390	2.070	2.434
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:02:20	-0.004	-0.003	0.014	0.005	0.008	104.243%		
2	22:03:03	0.002	-0.004	0.014	0.006	0.009	100.660%		
3	22:03:46	-0.002	-0.003	0.014	0.014	0.011	100.935%		
x		-0.001	-0.003	0.014	0.008	0.009	101.946%		
σ		0.003	0.001	0.000	0.005	0.002	1.994%		
%RSD		244.100	20.930	2.127	64.000	16.720	1.956		

CRI 806392 4/28/2013 10:09:38 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	104.078%	1.102	5.824	5.832	0.000	94.200	95.710	98.290
2	22:11:04	104.151%	0.989	6.225	6.029	0.000	94.970	97.600	98.120
3	22:11:47	104.519%	0.924	5.238	5.661	0.000	94.270	95.770	96.330
x		104.250%	100.512%	115.250%	116.815%	0.000	94.479%	96.359%	97.580%
σ		0.236%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.227	8.963	8.618	3.152	0.000	0.450	1.112	1.116
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	33.720	506.500	0.000	99.310	93.260	96.560	101.200%	4.615
2	22:11:04	34.310	513.400	0.000	100.300	84.580	102.100	100.934%	5.225
3	22:11:47	34.020	502.000	0.000	97.170	114.200	98.130	101.248%	4.573
x		113.382%	101.462%	0.000	98.942%	97.350%	98.925%	101.127%	96.086%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.169%	n/a
%RSD		0.866	1.134	0.000	1.638	15.650	2.881	0.167	7.592
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	1.051	1.994	4.998	51.270	51.520	0.525	1.161	2.284
2	22:11:04	0.928	2.017	5.074	51.440	51.430	0.513	1.195	2.309
3	22:11:47	0.902	1.953	4.893	50.460	51.170	0.515	1.079	2.269
x		96.018%	99.394%	997.673%	102.110%	102.749%	103.580%	114.520%	114.369%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		8.303	1.636	1.824	1.025	0.349	1.186	5.231	0.897
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	2.377	5.172	5.525	1.139	4.898	4.346	0.000	4.330
2	22:11:04	2.346	5.656	5.450	1.167	5.064	4.648	0.000	4.459
3	22:11:47	2.153	5.477	5.462	1.225	4.897	4.964	0.000	4.371
x		114.609%	108.699%	109.581%	117.669%	99.055%	93.050%	0.000	87.732%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.286	4.501	0.740	3.727	1.937	6.646	0.000	1.507
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	108.480%	4.514	4.538	101.705%	0.933	0.951	0.996	1.013
2	22:11:04	107.945%	4.824	4.759	99.916%	1.016	1.034	1.092	1.709
3	22:11:47	108.961%	4.589	4.752	100.952%	1.007	1.037	1.033	0.978
x		108.462%	92.838%	93.665%	100.858%	98.542%	100.739%	104.003%	123.336%
σ		0.509%	n/a	n/a	0.898%	n/a	n/a	n/a	n/a
%RSD		0.469	3.484	2.685	0.890	4.627	4.888	4.664	33.440
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:21	101.110%	4.829	1.941	1.884	9.754	10.140	101.416%	101.841%
2	22:11:04	100.452%	5.175	1.970	2.039	9.926	10.110	101.923%	102.203%
3	22:11:47	101.426%	5.082	1.943	1.942	9.541	9.596	102.888%	103.113%
x		100.996%	100.576%	97.564%	97.755%	97.403%	99.497%	102.076%	102.386%
σ		0.497%	n/a	n/a	n/a	n/a	n/a	0.748%	0.655%
%RSD		0.492	3.559	0.818	3.999	1.980	3.080	0.732	0.640
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:10:21	0.950	0.907	0.917	0.967	0.940	106.943%		
2	22:11:04	0.940	0.930	0.964	1.011	0.971	107.618%		
3	22:11:47	0.921	0.926	0.908	0.935	0.942	109.558%		
x		93.693%	92.140%	92.957%	97.099%	95.082%	108.040%		
σ		n/a	n/a	n/a	n/a	n/a	1.357%		
%RSD		1.588	1.339	3.203	3.945	1.794	1.256		

ICSA 787358 4/28/2013 10:17:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	71.556%	0.014	1.630	1.101	0.000	106600.000	104500.000	104500.000
2	22:19:20	71.903%	-0.010	0.845	1.030	0.000	103400.000	101900.000	101400.000
3	22:20:03	72.165%	-0.016	1.309	1.021	0.000	104400.000	102300.000	102500.000
x		71.875%	-0.004	1.261	1.051	0.000	104800.000	102900.000	102800.000
σ		0.305%	0.016	0.395	0.043	0.000	1619.000	1434.000	1572.000
%RSD		0.425	434.900	31.290	4.139	0.000	1.545	1.394	1.529
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	105200.000	25.580	0.000	106000.000	109200.000	108200.000	61.076%	2340.000
2	22:19:20	101300.000	25.470	0.000	102500.000	106700.000	105300.000	61.485%	2268.000
3	22:20:03	103500.000	25.050	0.000	105600.000	108500.000	108200.000	60.517%	2331.000
x		103400.000	25.370	0.000	104700.000	108100.000	107300.000	61.026%	2313.000
σ		1940.000	0.279	0.000	1905.000	1311.000	1670.000	0.486%	39.540
%RSD		1.877	1.101	0.000	1.820	1.212	1.557	0.796	1.709
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	-0.483	0.053	0.581	108900.000	108800.000	0.085	0.386	0.904
2	22:19:20	-0.420	0.046	0.527	105500.000	105700.000	0.091	0.108	0.987
3	22:20:03	-0.386	0.036	0.538	108300.000	107700.000	0.085	-0.014	1.000
x		-0.429	0.045	0.549	107600.000	107400.000	0.087	0.160	0.964
σ		0.049	0.009	0.029	1838.000	1553.000	0.003	0.205	0.052
%RSD		11.510	19.530	5.198	1.709	1.446	3.715	128.200	5.426
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	1.568	3.323	2.287	0.009	0.164	0.005	0.000	5.181
2	22:19:20	1.467	3.251	2.238	0.008	0.344	-0.146	0.000	5.010
3	22:20:03	1.449	3.519	2.358	-0.080	0.348	-0.539	0.000	5.112
x		1.495	3.364	2.294	-0.021	0.285	-0.227	0.000	5.101
σ		0.064	0.139	0.060	0.051	0.105	0.281	0.000	0.086
%RSD		4.303	4.127	2.627	242.800	36.810	124.100	0.000	1.690
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	60.372%	2286.000	2340.000	56.545%	0.060	0.070	0.316	0.274
2	22:19:20	60.629%	2254.000	2304.000	56.618%	0.060	0.047	0.229	0.163
3	22:20:03	60.799%	2305.000	2344.000	56.183%	0.074	0.052	0.268	0.251
x		60.600%	2282.000	2329.000	56.448%	0.065	0.057	0.271	0.229
σ		0.215%	26.070	22.090	0.233%	0.008	0.012	0.043	0.058
%RSD		0.355	1.143	0.948	0.413	12.570	21.270	16.050	25.520
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:38	62.807%	0.271	0.314	0.305	0.371	0.326	65.669%	65.606%
2	22:19:20	64.107%	0.259	0.276	0.319	0.385	0.365	66.892%	67.398%
3	22:20:03	63.928%	0.232	0.286	0.310	0.373	0.396	67.457%	68.098%
x		63.614%	0.254	0.292	0.311	0.376	0.362	66.673%	67.034%
σ		0.705%	0.020	0.020	0.007	0.008	0.035	0.914%	1.285%
%RSD		1.108	7.880	6.691	2.245	2.079	9.600	1.371	1.917
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:18:38	0.030	0.031	0.468	0.458	0.460	64.719%		
2	22:19:20	0.028	0.023	0.402	0.384	0.378	65.533%		
3	22:20:03	0.008	0.009	0.355	0.357	0.343	65.988%		
x		0.022	0.021	0.408	0.400	0.394	65.414%		
σ		0.012	0.011	0.057	0.053	0.060	0.643%		
%RSD		56.090	52.630	13.930	13.140	15.280	0.983		

ICSAB 787359 4/28/2013 10:26:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	71.038%	21.140	51.690	48.940	0.000	102600.000	101600.000	101000.000
2	22:27:37	71.802%	20.880	48.560	48.690	0.000	104100.000	101300.000	101600.000
3	22:28:20	71.936%	20.100	49.740	47.490	0.000	100600.000	97790.000	98360.000
x		71.592%	103.530%	99.995%	96.749%	0.000	102.423%	100.238%	100.326%
σ		0.485%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.677	2.629	3.163	1.597	0.000	1.674	2.124	1.716
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	102000.000	511.800	0.000	103700.000	106400.000	106500.000	61.604%	2279.000
2	22:27:37	102500.000	511.300	0.000	105000.000	108300.000	107400.000	60.590%	2311.000
3	22:28:20	99230.000	493.900	0.000	101600.000	104100.000	103600.000	60.393%	2232.000
x		101.235%	101.135%	0.000	103.443%	106.254%	105.825%	60.863%	113.698%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.650%	n/a
%RSD		1.726	2.017	0.000	1.642	1.994	1.832	1.068	1.739
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	20.420	21.080	21.420	106900.000	105200.000	20.490	20.600	20.480
2	22:27:37	21.480	21.160	21.450	107500.000	107400.000	20.680	21.420	21.220
3	22:28:20	20.560	20.810	21.070	104500.000	104200.000	20.070	19.110	20.260
x		104.104%	105.072%	92.673%	106.307%	105.584%	102.065%	101.867%	103.266%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.775	0.882	0.978	1.496	1.516	1.529	5.751	2.415
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	22.120	23.940	22.640	21.860	53.080	52.580	0.000	27.230
2	22:27:37	21.790	24.300	22.730	21.620	52.980	50.970	0.000	27.600
3	22:28:20	21.680	23.690	22.290	22.230	52.030	52.530	0.000	26.890
x		109.312%	95.912%	90.211%	109.531%	105.392%	104.053%	0.000	136.220%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.060	1.291	1.033	1.407	1.101	1.760	0.000	1.301
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	61.321%	2269.000	2308.000	57.290%	20.310	20.310	21.060	20.730
2	22:27:37	61.016%	2274.000	2328.000	56.996%	20.960	20.650	20.970	20.690
3	22:28:20	61.043%	2228.000	2272.000	56.878%	19.880	20.220	20.540	20.230
x		61.127%	112.857%	115.148%	57.055%	101.924%	101.973%	104.289%	102.748%
σ		0.169%	n/a	n/a	0.212%	n/a	n/a	n/a	n/a
%RSD		0.276	1.122	1.222	0.372	2.689	1.117	1.347	1.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:54	66.890%	107.200	21.210	21.370	22.360	22.660	68.527%	69.464%
2	22:27:37	66.214%	108.700	21.480	21.650	23.170	22.750	68.759%	69.140%
3	22:28:20	66.002%	105.900	21.050	20.700	22.770	22.140	68.251%	69.193%
x		66.369%	107.258%	106.232%	106.211%	113.835%	112.586%	68.512%	69.266%
σ		0.464%	n/a	n/a	n/a	n/a	n/a	0.254%	0.173%
%RSD		0.699	1.288	1.034	2.289	1.779	1.464	0.371	0.250
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:26:54	21.820	21.800	22.480	22.060	22.110	75.568%		
2	22:27:37	22.380	22.210	22.600	22.790	22.640	74.824%		
3	22:28:20	21.850	21.850	22.300	22.100	22.180	69.575%		
x		110.084%	109.772%	112.305%	111.576%	111.544%	73.323%		
σ		n/a	n/a	n/a	n/a	n/a	3.267%		
%RSD		1.411	1.007	0.658	1.826	1.288	4.455		

CCV 790243 4/28/2013 10:34:27 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	74.829%	0.007	3.688	3.231	0.000	41.920	21.430	21.710
2	22:35:53	74.541%	0.019	4.017	3.486	0.000	43.800	20.610	21.210
3	22:36:36	75.481%	-0.016	3.844	3.098	0.000	44.600	20.300	21.120
x		74.950%	0.003	3.850	3.272	0.000	43.440	20.780	21.350
σ		0.482%	0.017	0.165	0.197	0.000	1.378	0.584	0.315
%RSD		0.643	502.400	4.277	6.026	0.000	3.172	2.812	1.475
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	479700.000	159.700	0.000	50.790	332.100	39.790	65.194%	1.589
2	22:35:53	489300.000	160.500	0.000	48.290	353.700	41.330	64.888%	1.490
3	22:36:36	475500.000	157.600	0.000	46.120	332.000	44.320	64.943%	1.458
x		481500.000	159.300	0.000	48.400	339.300	41.810	65.008%	1.512
σ		7067.000	1.493	0.000	2.337	12.540	2.307	0.163%	0.068
%RSD		1.468	0.937	0.000	4.828	3.695	5.518	0.251	4.529
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	-427.200	21480.000	20710.000	509800.000	521300.000	9.092	10560.000	19270.000
2	22:35:53	-435.500	21760.000	21340.000	519400.000	530800.000	9.287	10720.000	19550.000
3	22:36:36	-439.800	21580.000	21160.000	512700.000	525800.000	9.229	10560.000	19290.000
x		-434.100	21610.000	21070.000	514000.000	526000.000	9.203	10610.000	19370.000
σ		6.432	141.000	324.600	4948.000	4774.000	0.100	92.730	153.400
%RSD		1.482	0.652	1.541	0.963	0.908	1.091	0.874	0.792
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	20470.000	20800.000	21060.000	0.701	0.574	1.693	0.000	0.216
2	22:35:53	20640.000	21330.000	21350.000	0.998	0.726	2.285	0.000	0.203
3	22:36:36	20600.000	21040.000	21240.000	0.458	0.896	0.720	0.000	0.200
x		20570.000	21060.000	21220.000	0.719	0.732	1.566	0.000	0.206
σ		89.320	264.400	148.100	0.271	0.161	0.790	0.000	0.009
%RSD		0.434	1.256	0.698	37.640	22.010	50.470	0.000	4.228
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	59.195%	3.964	4.296	60.736%	0.229	0.231	0.058	0.062
2	22:35:53	59.248%	3.791	3.988	60.707%	0.259	0.257	0.001	0.013
3	22:36:36	59.785%	3.708	3.708	60.804%	0.226	0.235	0.018	0.004
x		59.409%	3.821	3.997	60.749%	0.238	0.241	0.026	0.026
σ		0.327%	0.131	0.294	0.050%	0.018	0.014	0.029	0.032
%RSD		0.550	3.420	7.359	0.082	7.592	5.855	113.500	119.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:10	73.937%	0.315	0.840	0.807	15540.000	15620.000	70.357%	70.078%
2	22:35:53	73.634%	0.362	0.810	0.833	16140.000	16220.000	70.276%	70.856%
3	22:36:36	74.221%	0.308	0.788	0.794	15840.000	15930.000	71.687%	71.589%
x		73.931%	0.328	0.812	0.812	15840.000	15930.000	70.773%	70.841%
σ		0.293%	0.029	0.026	0.020	299.200	303.000	0.793%	0.755%
%RSD		0.397	8.879	3.216	2.456	1.889	1.903	1.120	1.066
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:35:10	0.082	0.074	19050.000	20440.000	19510.000	78.692%		
2	22:35:53	0.075	0.074	20200.000	21660.000	20650.000	78.606%		
3	22:36:36	0.064	0.070	20080.000	21460.000	20540.000	80.520%		
x		0.074	0.073	19780.000	21190.000	20230.000	79.273%		
σ		0.009	0.002	631.800	652.400	624.500	1.081%		
%RSD		12.100	3.268	3.195	3.079	3.086	1.364		

CCV 790244 4/28/2013 10:44:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	77.741%	-0.005	1.884	1.873	0.000	488300.000	954800.000	948200.000
2	22:45:33	81.286%	-0.000	1.998	1.754	0.000	487700.000	958700.000	944100.000
3	22:46:16	84.682%	-0.016	1.645	1.691	0.000	467200.000	910100.000	903500.000
x		81.237%	-0.007	1.842	1.772	0.000	481100.000	941200.000	931900.000
σ		3.470%	0.008	0.180	0.092	0.000	12010.000	27010.000	24710.000
%RSD		4.272	116.500	9.769	5.203	0.000	2.496	2.870	2.652
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	26.990	149.800	0.000	476500.000	1027000.000	961600.000	83.503%	0.939
2	22:45:33	26.000	150.800	0.000	480600.000	1031000.000	968400.000	87.699%	0.855
3	22:46:16	24.660	145.100	0.000	460800.000	987100.000	922500.000	92.163%	0.831
x		25.890	148.600	0.000	472600.000	1015000.000	950800.000	87.789%	0.875
σ		1.167	3.042	0.000	10480.000	24240.000	24730.000	4.331%	0.057
%RSD		4.509	2.047	0.000	2.217	2.388	2.601	4.933	6.468
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	0.026	1.219	1.331	40.640	1905.000	0.660	-6.713	2.547
2	22:45:33	-0.018	1.173	1.288	35.670	1850.000	0.619	-6.946	2.555
3	22:46:16	0.002	1.126	1.203	34.320	1673.000	0.575	-6.678	2.407
x		0.003	1.173	1.274	36.880	1809.000	0.618	-6.779	2.503
σ		0.022	0.047	0.065	3.331	120.900	0.042	0.146	0.083
%RSD		650.000	3.978	5.116	9.033	6.681	6.867	2.147	3.323
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	2.478	2.907	2.426	0.200	1.229	0.346	0.000	38.630
2	22:45:33	2.206	2.734	2.483	0.241	1.737	0.755	0.000	38.560
3	22:46:16	2.259	2.775	2.292	0.304	1.803	0.961	0.000	36.680
x		2.314	2.806	2.400	0.248	1.590	0.687	0.000	37.960
σ		0.144	0.090	0.098	0.052	0.314	0.313	0.000	1.104
%RSD		6.232	3.216	4.083	21.140	19.750	45.540	0.000	2.909
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	84.688%	1.353	1.093	65.697%	0.096	0.090	0.192	0.118
2	22:45:33	90.100%	1.326	1.069	69.376%	0.090	0.104	0.087	0.042
3	22:46:16	94.975%	1.198	0.913	78.852%	0.084	0.083	0.110	0.078
x		89.921%	1.292	1.025	71.308%	0.090	0.092	0.130	0.080
σ		5.146%	0.083	0.097	6.787%	0.006	0.010	0.056	0.038
%RSD		5.723	6.385	9.502	9.518	6.972	11.370	42.800	47.880
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:50	79.489%	0.502	0.341	0.372	2.020	2.109	83.921%	84.376%
2	22:45:33	83.792%	0.469	0.341	0.337	2.068	2.286	88.841%	88.658%
3	22:46:16	89.656%	0.495	0.323	0.291	1.983	2.118	93.331%	93.271%
x		84.312%	0.489	0.335	0.333	2.024	2.171	88.698%	88.768%
σ		5.103%	0.017	0.011	0.041	0.043	0.099	4.707%	4.449%
%RSD		6.052	3.528	3.190	12.180	2.111	4.576	5.307	5.012
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:44:50	0.099	0.083	1.636	1.765	1.726	64.719%		
2	22:45:33	0.096	0.101	1.631	1.730	1.664	67.736%		
3	22:46:16	0.088	0.092	1.588	1.608	1.591	71.775%		
x		0.094	0.092	1.618	1.701	1.660	68.076%		
σ		0.005	0.009	0.026	0.083	0.068	3.540%		
%RSD		5.824	9.415	1.619	4.851	4.071	5.201		

CCV 801624 4/28/2013 10:53:47 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	79.257%	101.600	97.510	96.940	0.000	49280.000	49500.000	48930.000
2	22:55:13	79.808%	100.500	101.200	96.950	0.000	49000.000	48800.000	48770.000
3	22:55:56	79.531%	101.400	100.000	99.150	0.000	49550.000	49620.000	49470.000
x		79.532%	101.208%	99.578%	97.682%	0.000	98.557%	98.618%	98.115%
σ		0.275%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.346	0.584	1.898	1.305	0.000	0.563	0.897	0.753
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	492.300	5011.000	0.000	48700.000	48180.000	48210.000	75.851%	97.430
2	22:55:13	486.700	4937.000	0.000	48340.000	47730.000	48330.000	75.389%	95.590
3	22:55:56	492.500	5003.000	0.000	48760.000	48610.000	48830.000	73.986%	97.270
x		98.097%	99.673%	0.000	97.201%	96.353%	96.906%	75.075%	96.763%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.971%	n/a
%RSD		0.670	0.819	0.000	0.464	0.919	0.682	1.293	1.054
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	97.910	97.770	464.800	24580.000	23580.000	98.960	101.900	102.800
2	22:55:13	97.230	98.210	463.600	24640.000	23660.000	98.980	101.300	102.000
3	22:55:56	97.960	99.120	472.200	24960.000	23900.000	101.100	102.100	102.100
x		97.702%	98.368%	93.369%	98.899%	94.857%	99.669%	101.757%	102.311%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.418	0.702	0.996	0.837	0.696	1.211	0.409	0.414
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	102.500	99.290	98.820	101.500	100.800	102.600	0.000	95.940
2	22:55:13	101.400	99.850	100.100	100.900	102.600	102.600	0.000	97.000
3	22:55:56	102.800	99.400	101.500	101.300	101.400	101.400	0.000	97.830
x		102.231%	99.513%	100.126%	101.231%	101.599%	102.189%	0.000	96.923%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.720	0.294	1.328	0.264	0.921	0.700	0.000	0.979
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	77.156%	99.020	101.000	73.362%	97.080	97.490	96.640	98.210
2	22:55:13	76.475%	104.300	106.000	68.818%	100.700	101.400	99.340	98.640
3	22:55:56	75.640%	105.900	107.100	67.003%	101.900	101.200	100.300	100.100
x		76.424%	103.074%	104.706%	69.728%	99.875%	100.018%	98.746%	98.977%
σ		0.759%	n/a	n/a	3.276%	n/a	n/a	n/a	n/a
%RSD		0.993	3.495	3.146	4.698	2.496	2.192	1.903	0.992
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:30	78.293%	95.640	95.970	96.630	97.620	96.910	84.377%	86.146%
2	22:55:13	77.751%	96.550	96.530	96.540	96.350	96.900	84.131%	85.096%
3	22:55:56	76.940%	97.370	98.090	97.890	98.100	97.940	81.891%	82.829%
x		77.661%	96.523%	96.861%	97.019%	97.359%	97.251%	83.466%	84.691%
σ		0.681%	n/a	n/a	n/a	n/a	n/a	1.370%	1.695%
%RSD		0.877	0.896	1.132	0.780	0.930	0.616	1.641	2.002
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:54:30	97.880	98.140	97.450	97.750	97.500	85.372%		
2	22:55:13	98.650	97.490	97.490	98.690	97.940	81.772%		
3	22:55:56	100.100	98.810	99.220	99.050	99.110	75.833%		
x		98.876%	98.150%	98.055%	98.496%	98.183%	80.993%		
σ		n/a	n/a	n/a	n/a	n/a	4.817%		
%RSD		1.136	0.672	1.027	0.685	0.848	5.948		

CCB1 4/28/2013 11:03:28 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	94.215%	0.007	0.689	0.575	0.000	2.526	1.794	1.761
2	23:04:54	99.203%	0.001	0.229	0.449	0.000	0.642	2.296	2.228
3	23:05:37	98.232%	0.014	0.318	0.348	0.000	2.075	2.448	2.363
x		97.217%	0.008	0.412	0.457	0.000	1.748	2.179	2.118
σ		2.644%	0.007	0.244	0.114	0.000	0.984	0.342	0.316
%RSD		2.720	86.510	59.260	24.870	0.000	56.300	15.710	14.910

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	0.979	0.250	0.000	14.840	4.776	1.882	93.379%	-0.105
2	23:04:54	1.125	-0.522	0.000	12.290	2.777	1.862	98.925%	-0.157
3	23:05:37	0.989	0.317	0.000	13.860	2.860	2.143	96.927%	-0.184
x		1.031	0.015	0.000	13.660	3.471	1.963	96.410%	-0.148
σ		0.082	0.466	0.000	1.286	1.131	0.157	2.809%	0.040
%RSD		7.953	3174.000	0.000	9.416	32.580	7.992	2.914	27.030

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	0.027	0.013	0.206	2.923	2.611	0.000	0.011	0.048
2	23:04:54	0.000	-0.013	0.211	2.470	2.473	-0.000	0.016	0.067
3	23:05:37	0.007	-0.026	0.212	3.052	2.934	0.000	0.010	0.074
x		0.011	-0.009	0.210	2.815	2.673	0.000	0.013	0.063
σ		0.014	0.020	0.003	0.306	0.236	0.000	0.003	0.013
%RSD		126.500	231.000	1.471	10.860	8.839	468.700	25.860	21.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	0.048	0.218	0.243	0.041	0.094	-0.005	0.000	0.016
2	23:04:54	0.055	0.215	0.239	-0.238	0.203	-0.799	0.000	0.017
3	23:05:37	0.060	0.222	0.289	0.220	0.246	0.871	0.000	0.019
x		0.054	0.219	0.257	0.008	0.181	0.022	0.000	0.017
σ		0.006	0.004	0.028	0.231	0.078	0.835	0.000	0.002
%RSD		11.120	1.671	10.800	3009.000	43.310	3716.000	0.000	10.230

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	96.936%	0.338	0.319	97.528%	-0.001	-0.004	0.101	0.074
2	23:04:54	101.125%	0.382	0.342	102.349%	-0.005	0.002	0.062	0.048
3	23:05:37	99.510%	0.342	0.395	100.872%	0.001	0.002	0.044	0.038
x		99.190%	0.354	0.352	100.249%	-0.002	-0.000	0.069	0.053
σ		2.113%	0.025	0.039	2.470%	0.003	0.004	0.029	0.019
%RSD		2.130	6.937	11.090	2.464	215.600	2618.000	41.940	35.330

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	98.705%	0.104	0.023	0.021	-0.011	0.015	101.261%	102.055%
2	23:04:54	103.398%	0.125	0.019	0.023	-0.008	0.022	106.828%	108.274%
3	23:05:37	101.285%	0.126	0.022	0.014	0.010	0.027	104.146%	105.196%
x		101.129%	0.118	0.021	0.019	-0.003	0.022	104.078%	105.175%
σ		2.350%	0.013	0.002	0.004	0.011	0.006	2.784%	3.110%
%RSD		2.324	10.620	10.030	22.640	363.600	27.300	2.675	2.957

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:11	0.002	-0.007	0.036	0.026	0.033	109.427%
2	23:04:54	-0.004	-0.000	0.039	0.035	0.037	116.310%
3	23:05:37	-0.002	-0.001	0.037	0.040	0.036	114.537%
x		-0.002	-0.003	0.038	0.033	0.035	113.424%
σ		0.003	0.004	0.002	0.007	0.002	3.574%
%RSD		203.600	138.500	4.468	20.920	6.979	3.151

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	94.527%	-0.007	0.446	0.224	0.000	4.732	2.058	1.621
2	23:13:09	97.802%	0.002	0.093	0.142	0.000	4.919	1.646	1.608
3	23:13:52	95.827%	0.002	0.204	0.029	0.000	7.196	1.743	1.556
x		96.052%	-0.001	0.248	0.132	0.000	5.616	1.816	1.595
σ		1.649%	0.005	0.181	0.098	0.000	1.372	0.215	0.035
%RSD		1.717	538.000	72.990	74.300	0.000	24.430	11.850	2.175
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	0.923	3.492	0.000	29.860	2.238	3.019	90.802%	-0.066
2	23:13:09	0.814	3.161	0.000	29.660	5.688	3.901	92.719%	-0.082
3	23:13:52	0.887	3.605	0.000	31.000	2.227	2.413	91.039%	-0.110
x		0.875	3.420	0.000	30.170	3.384	3.111	91.520%	-0.086
σ		0.056	0.231	0.000	0.721	1.995	0.748	1.045%	0.022
%RSD		6.375	6.746	0.000	2.389	58.950	24.050	1.142	25.980
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	-0.004	0.025	0.113	3.232	1.893	-0.009	0.020	0.203
2	23:13:09	0.196	0.027	0.114	1.718	2.061	-0.009	0.019	0.194
3	23:13:52	-0.079	0.007	0.134	2.209	2.061	-0.007	0.050	0.159
x		0.038	0.019	0.120	2.386	2.005	-0.008	0.030	0.185
σ		0.142	0.011	0.011	0.772	0.097	0.001	0.017	0.023
%RSD		378.900	55.950	9.533	32.370	4.853	17.860	58.490	12.470
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	0.125	0.280	0.381	-0.037	0.150	-0.568	0.000	0.011
2	23:13:09	0.124	0.283	0.237	-0.083	0.311	-0.282	0.000	0.008
3	23:13:52	0.111	0.300	0.180	0.064	0.263	-0.165	0.000	0.011
x		0.120	0.288	0.266	-0.019	0.241	-0.338	0.000	0.010
σ		0.008	0.011	0.103	0.075	0.083	0.207	0.000	0.002
%RSD		6.712	3.740	38.940	403.700	34.380	61.330	0.000	17.560
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	93.462%	0.221	0.188	94.057%	-0.001	0.002	0.055	0.051
2	23:13:09	95.871%	0.148	0.165	96.646%	0.001	-0.001	0.009	0.010
3	23:13:52	95.041%	0.176	0.161	94.890%	0.005	0.000	-0.009	0.001
x		94.791%	0.182	0.171	95.197%	0.001	0.000	0.019	0.021
σ		1.224%	0.037	0.015	1.322%	0.003	0.002	0.033	0.027
%RSD		1.291	20.340	8.525	1.389	229.700	539.300	178.100	129.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:26	94.575%	0.087	0.020	0.005	-0.006	0.007	97.594%	98.251%
2	23:13:09	98.160%	0.089	0.004	0.012	-0.004	0.007	102.278%	102.440%
3	23:13:52	96.645%	0.089	0.012	0.006	0.000	0.022	100.778%	102.293%
x		96.460%	0.089	0.012	0.008	-0.003	0.012	100.217%	100.995%
σ		1.800%	0.001	0.008	0.004	0.003	0.009	2.392%	2.378%
%RSD		1.866	1.497	67.740	46.140	106.800	70.440	2.387	2.354
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:12:26	0.006	0.013	0.202	0.208	0.210	101.746%		
2	23:13:09	0.003	0.002	0.176	0.201	0.178	107.438%		
3	23:13:52	-0.002	-0.004	0.150	0.177	0.163	108.643%		
x		0.002	0.004	0.176	0.195	0.184	105.942%		
σ		0.004	0.008	0.026	0.016	0.024	3.684%		
%RSD		178.600	233.000	14.690	8.389	13.160	3.477		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	89.555%	45.410	925.000	886.100	0.000	45350.000	44550.000	44530.000
2	23:21:22	89.122%	47.740	970.200	924.500	0.000	47160.000	45660.000	45810.000
3	23:22:05	89.541%	47.920	961.800	904.500	0.000	45390.000	44520.000	44870.000
x		89.406%	47.020	952.300	905.000	0.000	45970.000	44910.000	45070.000
σ		0.246%	1.400	24.070	19.210	0.000	1033.000	650.200	662.500
%RSD		0.276	2.977	2.528	2.122	0.000	2.248	1.448	1.470

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	1825.000	8151.000	0.000	45760.000	46860.000	47510.000	70.614%	926.800
2	23:21:22	1869.000	8349.000	0.000	47480.000	49370.000	50070.000	67.422%	964.100
3	23:22:05	1815.000	8164.000	0.000	47120.000	48880.000	50030.000	65.701%	956.100
x		1836.000	8222.000	0.000	46790.000	48370.000	49210.000	67.912%	949.000
σ		28.810	110.700	0.000	906.900	1330.000	1464.000	2.493%	19.620
%RSD		1.569	1.347	0.000	1.938	2.749	2.976	3.671	2.067

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	454.500	182.700	448.300	959.400	972.400	451.400	447.100	225.300
2	23:21:22	474.000	191.400	474.500	944.800	1036.000	469.800	462.300	232.900
3	23:22:05	471.600	190.700	471.500	936.500	1012.000	462.800	460.400	229.100
x		466.700	188.300	464.700	946.900	1007.000	461.300	456.600	229.100
σ		10.650	4.851	14.340	11.590	32.010	9.261	8.295	3.812
%RSD		2.282	2.577	3.086	1.224	3.180	2.008	1.817	1.664

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	223.800	437.600	441.100	34.230	10.390	7.817	0.000	968.200
2	23:21:22	232.000	456.900	462.600	34.630	11.310	8.721	0.000	1026.000
3	23:22:05	230.700	458.700	465.000	35.070	11.360	8.454	0.000	1014.000
x		228.900	451.100	456.200	34.650	11.020	8.331	0.000	1003.000
σ		4.437	11.690	13.140	0.418	0.544	0.464	0.000	30.400
%RSD		1.939	2.593	2.879	1.206	4.938	5.572	0.000	3.032

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	72.690%	975.800	1014.000	62.517%	48.850	48.410	47.190	39.030
2	23:21:22	69.548%	1037.000	1078.000	59.554%	50.800	50.860	50.190	40.680
3	23:22:05	68.727%	1021.000	1070.000	58.929%	50.720	50.540	50.490	40.830
x		70.322%	1011.000	1054.000	60.333%	50.130	49.940	49.290	40.180
σ		2.092%	31.840	34.740	1.917%	1.101	1.330	1.825	1.000
%RSD		2.975	3.148	3.295	3.177	2.197	2.663	3.703	2.488

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	72.668%	2012.000	457.700	453.900	1845.000	1839.000	81.345%	82.798%
2	23:21:22	69.599%	2130.000	486.400	484.200	1944.000	1939.000	78.884%	79.875%
3	23:22:05	69.590%	2104.000	481.500	477.300	1916.000	1901.000	78.596%	80.453%
x		70.619%	2082.000	475.200	471.800	1902.000	1893.000	79.608%	81.042%
σ		1.774%	62.150	15.310	15.910	50.960	50.640	1.511%	1.548%
%RSD		2.512	2.985	3.222	3.372	2.680	2.675	1.898	1.910

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	47.370	46.780	18.830	20.640	19.750	73.088%
2	23:21:22	50.260	50.010	19.780	21.700	20.660	70.151%
3	23:22:05	50.060	49.610	19.620	21.390	20.310	71.178%
x		49.230	48.800	19.410	21.250	20.240	71.472%
σ		1.617	1.763	0.511	0.546	0.455	1.491%
%RSD		3.285	3.612	2.633	2.570	2.250	2.086

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	78.937%	0.017	89.670	84.490	0.000	43190.000	2842.000	2838.000
2	23:29:31	79.641%	0.022	87.080	86.370	0.000	43790.000	2881.000	2883.000
3	23:30:14	80.115%	-0.005	86.130	85.400	0.000	43350.000	2849.000	2853.000
x		79.564%	0.011	87.630	85.420	0.000	43440.000	2857.000	2858.000
σ		0.592%	0.014	1.831	0.941	0.000	306.900	20.540	22.830
%RSD		0.745	126.700	2.090	1.101	0.000	0.707	0.719	0.799

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	1.628	907.400	0.000	1505.000	15580.000	14750.000	71.268%	0.127
2	23:29:31	1.540	917.600	0.000	1465.000	15960.000	15140.000	70.095%	0.177
3	23:30:14	1.490	903.600	0.000	1499.000	15790.000	14880.000	70.653%	0.117
x		1.552	909.500	0.000	1490.000	15780.000	14920.000	70.672%	0.140
σ		0.070	7.218	0.000	21.880	189.700	198.700	0.587%	0.032
%RSD		4.505	0.794	0.000	1.469	1.202	1.332	0.830	22.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	-0.076	0.067	17.370	2456.000	2344.000	0.312	12.540	0.666
2	23:29:31	-0.051	0.066	17.960	2492.000	2359.000	0.278	12.240	0.709
3	23:30:14	0.020	0.028	17.800	2462.000	2367.000	0.293	12.650	0.758
x		-0.035	0.053	17.710	2470.000	2357.000	0.294	12.470	0.711
σ		0.050	0.022	0.306	19.710	11.640	0.017	0.213	0.046
%RSD		140.900	41.560	1.726	0.798	0.494	5.782	1.705	6.464

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	0.354	18.280	19.010	0.577	0.677	-0.142	0.000	44.610
2	23:29:31	0.315	19.120	18.750	0.757	0.605	0.158	0.000	46.100
3	23:30:14	0.318	18.930	18.740	0.421	0.818	-0.006	0.000	44.850
x		0.329	18.780	18.830	0.585	0.700	0.003	0.000	45.190
σ		0.022	0.436	0.155	0.168	0.109	0.150	0.000	0.799
%RSD		6.599	2.322	0.821	28.790	15.500	4623.000	0.000	1.768

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	73.426%	1.345	1.404	71.677%	0.000	0.006	-0.014	0.003
2	23:29:31	72.215%	1.427	1.478	66.456%	0.004	0.001	0.055	0.036
3	23:30:14	73.760%	1.248	1.350	67.633%	0.003	0.002	-0.020	-0.013
x		73.134%	1.340	1.411	68.588%	0.003	0.003	0.007	0.009
σ		0.813%	0.089	0.065	2.739%	0.002	0.003	0.042	0.025
%RSD		1.111	6.672	4.578	3.993	74.320	89.520	568.700	285.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	75.308%	0.523	0.079	0.097	61.330	62.120	82.431%	83.338%
2	23:29:31	74.681%	0.496	0.084	0.111	63.700	63.340	81.590%	82.834%
3	23:30:14	76.511%	0.402	0.065	0.066	62.010	61.890	83.072%	84.370%
x		75.500%	0.474	0.076	0.091	62.350	62.450	82.364%	83.514%
σ		0.930%	0.064	0.010	0.023	1.220	0.778	0.743%	0.783%
%RSD		1.232	13.500	13.270	25.290	1.957	1.246	0.902	0.938

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:48	0.091	0.092	3.264	3.081	3.142	86.577%
2	23:29:31	0.080	0.088	3.299	3.137	3.128	87.897%
3	23:30:14	0.091	0.077	3.394	3.076	3.181	87.364%
x		0.087	0.086	3.319	3.098	3.150	87.280%
σ		0.006	0.008	0.067	0.034	0.028	0.664%
%RSD		6.925	9.220	2.021	1.100	0.882	0.761

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	79.964%	-0.010	83.430	82.980	0.000	43720.000	2904.000	2907.000
2	23:37:41	80.196%	0.000	83.660	81.480	0.000	43220.000	2859.000	2874.000
3	23:38:24	80.141%	0.011	84.340	82.740	0.000	42890.000	2856.000	2859.000
x		80.100%	0.000	83.810	82.400	0.000	43280.000	2873.000	2880.000
σ		0.121%	0.011	0.475	0.803	0.000	416.900	27.040	24.370
%RSD		0.151	2828.000	0.567	0.975	0.000	0.963	0.941	0.846

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	0.706	925.000	0.000	1430.000	15910.000	14970.000	71.562%	0.084
2	23:37:41	0.533	913.600	0.000	1504.000	15930.000	15030.000	71.031%	0.017
3	23:38:24	0.487	903.900	0.000	1423.000	15820.000	14730.000	70.970%	0.073
x		0.575	914.200	0.000	1452.000	15890.000	14910.000	71.188%	0.058
σ		0.116	10.590	0.000	44.970	59.000	157.400	0.326%	0.036
%RSD		20.130	1.158	0.000	3.096	0.371	1.056	0.458	61.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	-0.028	0.059	18.330	2479.000	2377.000	0.293	12.120	0.709
2	23:37:41	0.162	0.056	18.230	2499.000	2387.000	0.298	12.690	0.797
3	23:38:24	-0.073	0.056	18.050	2467.000	2365.000	0.319	11.510	0.783
x		0.020	0.057	18.200	2482.000	2376.000	0.303	12.110	0.763
σ		0.125	0.002	0.139	15.890	10.620	0.014	0.587	0.048
%RSD		618.000	3.658	0.765	0.640	0.447	4.566	4.850	6.232

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	0.323	18.240	18.790	0.692	0.365	-0.201	0.000	45.010
2	23:37:41	0.260	18.310	18.360	0.676	0.369	-0.255	0.000	45.310
3	23:38:24	0.287	17.890	18.720	0.567	0.512	0.256	0.000	45.220
x		0.290	18.150	18.620	0.645	0.415	-0.067	0.000	45.180
σ		0.032	0.227	0.232	0.068	0.083	0.281	0.000	0.157
%RSD		10.960	1.250	1.244	10.520	20.090	421.900	0.000	0.347

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	74.051%	0.784	0.783	67.366%	-0.011	-0.003	0.034	0.012
2	23:37:41	73.689%	0.691	0.818	67.514%	-0.003	0.001	0.024	0.011
3	23:38:24	74.528%	0.763	0.737	68.130%	-0.005	-0.003	0.069	0.040
x		74.089%	0.746	0.779	67.670%	-0.007	-0.002	0.042	0.021
σ		0.421%	0.049	0.041	0.405%	0.004	0.002	0.024	0.016
%RSD		0.568	6.513	5.265	0.598	63.390	133.400	56.060	77.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	75.177%	0.215	0.038	0.053	61.680	62.240	80.447%	80.975%
2	23:37:41	76.075%	0.171	0.035	0.035	62.650	62.300	81.707%	82.736%
3	23:38:24	76.512%	0.200	0.032	0.037	61.750	61.270	84.024%	84.877%
x		75.921%	0.195	0.035	0.042	62.030	61.930	82.060%	82.863%
σ		0.681%	0.022	0.003	0.010	0.537	0.579	1.814%	1.954%
%RSD		0.896	11.390	8.583	23.650	0.866	0.935	2.211	2.358

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:58	0.014	0.013	3.127	2.942	3.011	82.381%
2	23:37:41	0.013	0.008	3.217	2.958	3.070	83.873%
3	23:38:24	0.013	0.014	3.163	2.964	3.027	86.782%
x		0.013	0.011	3.169	2.955	3.036	84.345%
σ		0.000	0.003	0.045	0.011	0.030	2.238%
%RSD		3.122	27.360	1.423	0.378	1.004	2.653

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	78.967%	-0.005	74.120	72.670	0.000	74410.000	3369.000	3376.000
2	23:45:51	77.226%	0.001	78.760	76.990	0.000	76320.000	3439.000	3431.000
3	23:46:34	77.617%	0.001	75.060	74.840	0.000	75070.000	3371.000	3393.000
x		77.937%	-0.001	75.980	74.840	0.000	75270.000	3393.000	3400.000
σ		0.914%	0.003	2.450	2.158	0.000	967.500	39.580	28.070
%RSD		1.172	351.700	3.225	2.884	0.000	1.285	1.167	0.826
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	1.479	750.700	0.000	1377.000	25880.000	24490.000	68.732%	0.014
2	23:45:51	1.614	761.400	0.000	1408.000	26580.000	25100.000	66.925%	0.156
3	23:46:34	1.429	748.100	0.000	1373.000	26080.000	24870.000	67.133%	0.081
x		1.507	753.400	0.000	1386.000	26180.000	24820.000	67.597%	0.084
σ		0.096	7.080	0.000	19.380	359.800	311.600	0.989%	0.071
%RSD		6.354	0.940	0.000	1.398	1.375	1.255	1.463	84.800
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	-0.024	0.075	95.920	811.300	868.400	0.301	2.376	1.179
2	23:45:51	-0.139	0.022	98.500	827.300	883.900	0.325	2.466	1.187
3	23:46:34	0.038	0.022	97.400	817.300	871.700	0.287	2.482	1.244
x		-0.042	0.040	97.270	818.600	874.700	0.304	2.441	1.203
σ		0.090	0.031	1.290	8.069	8.153	0.019	0.057	0.036
%RSD		215.800	76.790	1.326	0.986	0.932	6.251	2.341	2.955
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	0.752	4.887	4.960	0.434	0.444	0.326	0.000	45.960
2	23:45:51	0.810	4.886	4.961	0.176	0.540	0.053	0.000	47.300
3	23:46:34	0.650	4.864	5.098	0.075	0.278	-0.511	0.000	46.740
x		0.737	4.879	5.006	0.229	0.421	-0.044	0.000	46.670
σ		0.081	0.014	0.080	0.185	0.133	0.427	0.000	0.673
%RSD		10.980	0.277	1.588	81.040	31.550	970.800	0.000	1.443
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	70.956%	0.657	0.584	64.229%	-0.009	-0.005	0.090	0.048
2	23:45:51	69.510%	0.648	0.648	63.191%	-0.005	0.003	0.058	0.030
3	23:46:34	69.942%	0.603	0.601	62.622%	-0.009	-0.004	-0.001	-0.009
x		70.136%	0.636	0.611	63.347%	-0.008	-0.002	0.049	0.023
σ		0.742%	0.029	0.033	0.815%	0.002	0.004	0.046	0.029
%RSD		1.058	4.531	5.385	1.286	28.440	201.000	93.960	124.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:08	71.492%	0.172	0.717	0.734	51.410	51.840	76.640%	77.497%
2	23:45:51	71.128%	0.163	0.699	0.633	51.170	52.440	76.636%	77.275%
3	23:46:34	71.667%	0.138	0.700	0.675	51.190	51.950	77.833%	78.639%
x		71.429%	0.158	0.705	0.681	51.260	52.080	77.036%	77.804%
σ		0.275%	0.018	0.010	0.051	0.130	0.320	0.690%	0.732%
%RSD		0.385	11.180	1.457	7.442	0.253	0.615	0.896	0.941
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:45:08	0.002	0.003	0.691	0.713	0.701	73.655%		
2	23:45:51	-0.001	-0.004	0.685	0.700	0.701	72.294%		
3	23:46:34	0.006	-0.000	0.725	0.683	0.711	73.718%		
x		0.002	-0.001	0.700	0.699	0.704	73.222%		
σ		0.003	0.004	0.022	0.015	0.006	0.805%		
%RSD		151.100	550.900	3.075	2.158	0.821	1.099		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	78.366%	0.012	79.410	78.680	0.000	70730.000	3414.000	3431.000
2	23:54:02	78.614%	0.012	82.300	80.420	0.000	70930.000	3464.000	3495.000
3	23:54:45	79.641%	0.017	79.690	78.920	0.000	69790.000	3415.000	3427.000
x		78.874%	0.013	80.470	79.340	0.000	70480.000	3431.000	3451.000
σ		0.676%	0.003	1.592	0.944	0.000	605.000	28.400	38.180
%RSD		0.857	21.810	1.979	1.190	0.000	0.858	0.828	1.106
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	1.047	789.000	0.000	1368.000	24420.000	23260.000	70.501%	0.104
2	23:54:02	1.118	798.200	0.000	1385.000	24970.000	23930.000	69.261%	0.126
3	23:54:45	1.053	779.800	0.000	1305.000	24600.000	23610.000	69.898%	0.051
x		1.073	789.000	0.000	1353.000	24670.000	23600.000	69.887%	0.093
σ		0.039	9.170	0.000	42.430	280.300	334.600	0.620%	0.038
%RSD		3.667	1.162	0.000	3.137	1.136	1.418	0.888	41.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	0.085	0.041	44.710	2115.000	2061.000	0.065	0.620	0.750
2	23:54:02	0.027	0.034	46.120	2148.000	2086.000	0.072	0.632	0.799
3	23:54:45	-0.091	0.038	45.640	2112.000	2053.000	0.067	0.672	0.822
x		0.007	0.037	45.490	2125.000	2067.000	0.068	0.641	0.791
σ		0.089	0.004	0.714	20.150	17.440	0.004	0.027	0.036
%RSD		1316.000	9.673	1.570	0.948	0.844	5.667	4.227	4.618
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	0.255	1.702	1.686	0.377	0.090	-0.621	0.000	51.160
2	23:54:02	0.301	1.733	1.527	0.585	0.303	0.151	0.000	51.940
3	23:54:45	0.289	1.449	1.958	0.394	0.201	-0.577	0.000	51.230
x		0.282	1.628	1.723	0.452	0.198	-0.349	0.000	51.440
σ		0.024	0.155	0.218	0.116	0.107	0.434	0.000	0.432
%RSD		8.444	9.542	12.650	25.620	53.920	124.400	0.000	0.840
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	72.554%	0.301	0.276	66.301%	-0.002	-0.002	0.086	0.057
2	23:54:02	72.231%	0.286	0.351	65.105%	-0.004	0.000	0.041	0.020
3	23:54:45	72.811%	0.309	0.289	70.265%	-0.000	0.003	0.033	0.027
x		72.532%	0.299	0.305	67.224%	-0.002	0.001	0.053	0.034
σ		0.291%	0.011	0.040	2.701%	0.002	0.003	0.029	0.020
%RSD		0.401	3.836	13.160	4.017	91.860	353.700	54.140	56.740
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:19	74.316%	0.141	0.423	0.386	60.150	59.790	80.597%	81.670%
2	23:54:02	73.422%	0.204	0.441	0.411	60.550	61.990	80.734%	82.552%
3	23:54:45	74.576%	0.158	0.425	0.434	60.880	61.170	81.342%	82.799%
x		74.105%	0.167	0.429	0.410	60.520	60.980	80.891%	82.340%
σ		0.606%	0.033	0.010	0.024	0.365	1.112	0.397%	0.594%
%RSD		0.817	19.600	2.362	5.822	0.604	1.824	0.490	0.721
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:53:19	-0.008	-0.004	0.508	0.501	0.501	85.404%		
2	23:54:02	-0.004	-0.004	0.501	0.507	0.492	86.319%		
3	23:54:45	-0.003	-0.008	0.505	0.519	0.516	86.172%		
x		-0.005	-0.005	0.505	0.509	0.503	85.965%		
σ		0.002	0.002	0.004	0.009	0.012	0.491%		
%RSD		47.360	43.730	0.741	1.792	2.437	0.571		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	78.921%	-0.010	81.990	79.610	0.000	67870.000	3345.000	3331.000
2	00:02:13	78.404%	-0.005	82.610	80.800	0.000	67070.000	3282.000	3293.000
3	00:02:56	81.114%	0.000	80.900	76.730	0.000	63830.000	3135.000	3144.000
x		79.480%	-0.005	81.830	79.050	0.000	66250.000	3254.000	3256.000
σ		1.439%	0.005	0.866	2.093	0.000	2141.000	107.900	98.690
%RSD		1.810	105.600	1.058	2.647	0.000	3.232	3.315	3.031

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	1.549	821.900	0.000	1386.000	24070.000	22500.000	71.209%	-0.067
2	00:02:13	1.259	807.500	0.000	1359.000	23230.000	22090.000	71.216%	-0.039
3	00:02:56	1.239	769.900	0.000	1285.000	22340.000	21430.000	72.160%	-0.029
x		1.349	799.700	0.000	1343.000	23210.000	22010.000	71.528%	-0.045
σ		0.174	26.830	0.000	52.100	862.300	543.200	0.547%	0.019
%RSD		12.870	3.355	0.000	3.879	3.715	2.468	0.765	43.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	-0.123	0.008	34.340	2186.000	2107.000	0.152	1.271	0.516
2	00:02:13	0.137	-0.002	33.730	2150.000	2086.000	0.148	1.216	0.602
3	00:02:56	-0.161	-0.002	32.670	2070.000	2000.000	0.152	1.122	0.526
x		-0.049	0.002	33.580	2135.000	2064.000	0.150	1.203	0.548
σ		0.162	0.006	0.848	59.550	56.950	0.002	0.075	0.047
%RSD		332.900	368.700	2.524	2.789	2.759	1.380	6.268	8.584

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	0.249	1.607	1.642	0.691	0.232	-0.132	0.000	54.350
2	00:02:13	0.128	1.427	1.650	0.732	0.248	-0.139	0.000	53.050
3	00:02:56	0.188	1.485	1.441	0.572	0.278	-0.431	0.000	50.690
x		0.188	1.506	1.578	0.665	0.253	-0.234	0.000	52.700
σ		0.061	0.092	0.118	0.083	0.023	0.171	0.000	1.853
%RSD		32.170	6.104	7.493	12.470	9.187	73.030	0.000	3.516

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	72.891%	0.282	0.243	66.298%	-0.000	-0.004	0.069	0.044
2	00:02:13	74.285%	0.243	0.249	67.216%	-0.009	-0.007	0.079	0.044
3	00:02:56	76.159%	0.243	0.265	68.563%	0.000	-0.007	0.021	0.009
x		74.445%	0.257	0.252	67.359%	-0.003	-0.006	0.056	0.032
σ		1.640%	0.022	0.011	1.139%	0.005	0.002	0.031	0.020
%RSD		2.203	8.771	4.483	1.691	164.700	24.360	55.120	61.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	74.316%	0.118	0.037	0.048	81.190	80.380	79.741%	80.672%
2	00:02:13	75.604%	0.097	0.034	0.026	79.540	78.690	82.125%	82.452%
3	00:02:56	77.045%	0.088	0.031	0.037	77.670	76.220	84.446%	85.781%
x		75.655%	0.101	0.034	0.037	79.470	78.430	82.104%	82.968%
σ		1.365%	0.016	0.003	0.011	1.759	2.094	2.353%	2.593%
%RSD		1.804	15.450	8.778	30.170	2.213	2.670	2.866	3.125

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:30	-0.007	-0.011	0.220	0.215	0.218	80.711%
2	00:02:13	-0.014	-0.009	0.219	0.215	0.212	84.002%
3	00:02:56	-0.010	-0.011	0.203	0.238	0.209	86.400%
x		-0.010	-0.010	0.214	0.223	0.213	83.704%
σ		0.004	0.001	0.009	0.014	0.004	2.856%
%RSD		37.610	11.250	4.284	6.104	1.996	3.412

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	87.200%	-0.001	18.220	17.210	0.000	13300.000	661.300	659.200
2	00:10:24	86.721%	0.014	17.240	17.680	0.000	13260.000	655.200	661.600
3	00:11:07	87.993%	0.004	17.440	16.950	0.000	13120.000	647.900	646.700
x		87.305%	0.006	17.630	17.280	0.000	13230.000	654.800	655.800
σ		0.642%	0.008	0.516	0.368	0.000	94.460	6.720	8.020
%RSD		0.736	136.800	2.928	2.128	0.000	0.714	1.026	1.223

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	0.439	168.200	0.000	273.800	4590.000	4282.000	82.117%	-0.064
2	00:10:24	0.434	165.600	0.000	275.200	4614.000	4335.000	80.155%	-0.058
3	00:11:07	0.362	162.200	0.000	268.800	4512.000	4288.000	80.214%	-0.132
x		0.411	165.300	0.000	272.600	4572.000	4302.000	80.829%	-0.084
σ		0.043	3.013	0.000	3.338	53.320	28.790	1.116%	0.041
%RSD		10.430	1.823	0.000	1.225	1.166	0.669	1.381	48.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	-0.024	-0.041	7.024	404.000	413.200	0.029	0.219	0.253
2	00:10:24	0.075	-0.011	7.144	411.500	418.100	0.003	0.268	0.306
3	00:11:07	0.005	-0.011	6.981	398.300	403.200	0.008	0.187	0.309
x		0.019	-0.021	7.050	404.600	411.500	0.014	0.225	0.289
σ		0.051	0.017	0.084	6.612	7.579	0.014	0.041	0.032
%RSD		272.500	81.950	1.195	1.634	1.842	103.300	18.060	10.960

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	0.091	1.012	1.046	0.206	0.050	0.216	0.000	10.340
2	00:10:24	0.116	0.953	1.137	0.205	0.133	0.162	0.000	10.300
3	00:11:07	0.068	1.036	1.163	0.122	0.069	0.011	0.000	10.130
x		0.092	1.001	1.115	0.178	0.084	0.130	0.000	10.260
σ		0.024	0.043	0.061	0.048	0.043	0.106	0.000	0.108
%RSD		26.170	4.248	5.511	27.280	51.510	82.060	0.000	1.056

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	82.979%	0.085	0.106	85.111%	-0.005	-0.002	0.043	0.035
2	00:10:24	82.236%	0.116	0.116	82.444%	-0.002	0.002	0.049	0.036
3	00:11:07	82.870%	0.112	0.121	83.422%	-0.005	-0.003	0.054	0.042
x		82.695%	0.104	0.115	83.659%	-0.004	-0.001	0.049	0.038
σ		0.401%	0.017	0.008	1.349%	0.002	0.003	0.005	0.004
%RSD		0.485	16.400	6.654	1.613	39.300	297.900	11.170	10.380

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	83.400%	0.056	0.003	0.008	16.040	16.000	85.903%	86.406%
2	00:10:24	83.736%	0.073	0.003	-0.002	15.910	15.620	86.519%	86.346%
3	00:11:07	84.431%	0.041	0.002	0.007	15.790	15.390	87.481%	88.185%
x		83.856%	0.056	0.003	0.004	15.910	15.670	86.634%	86.979%
σ		0.526%	0.016	0.000	0.005	0.121	0.307	0.795%	1.045%
%RSD		0.627	28.790	5.766	125.100	0.762	1.961	0.918	1.201

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:41	-0.011	-0.009	0.214	0.200	0.203	85.223%
2	00:10:24	-0.013	-0.009	0.203	0.217	0.206	84.097%
3	00:11:07	-0.010	-0.010	0.211	0.191	0.199	87.067%
x		-0.012	-0.010	0.210	0.203	0.203	85.462%
σ		0.002	0.001	0.006	0.013	0.004	1.499%
%RSD		13.800	8.601	2.774	6.401	1.844	1.755

180-20261-C-4-E MS@10 4/29/2013 12:17:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	79.576%	4.932	176.800	171.900	0.000	70400.000	7845.000	7865.000
2	00:18:35	78.608%	4.941	181.100	175.300	0.000	69890.000	7711.000	7798.000
3	00:19:18	79.533%	4.846	173.800	169.200	0.000	68810.000	7640.000	7627.000
x		79.239%	4.906	177.200	172.100	0.000	69700.000	7732.000	7763.000
σ		0.547%	0.052	3.698	3.040	0.000	815.100	104.000	122.500
%RSD		0.690	1.068	2.086	1.766	0.000	1.169	1.345	1.578

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	190.600	1759.000	0.000	6331.000	28090.000	26690.000	70.779%	97.910
2	00:18:35	188.300	1740.000	0.000	6261.000	28040.000	26500.000	70.412%	98.880
3	00:19:18	184.200	1682.000	0.000	6197.000	27710.000	26190.000	69.463%	97.670
x		187.700	1727.000	0.000	6263.000	27950.000	26460.000	70.218%	98.150
σ		3.245	39.990	0.000	66.830	209.400	257.400	0.679%	0.638
%RSD		1.728	2.316	0.000	1.067	0.749	0.973	0.967	0.650

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	49.620	19.920	81.230	2231.000	2188.000	50.430	53.030	26.590
2	00:18:35	49.500	19.680	80.110	2212.000	2148.000	49.470	51.820	26.290
3	00:19:18	49.000	19.310	79.680	2205.000	2129.000	49.420	51.320	25.720
x		49.370	19.640	80.340	2216.000	2155.000	49.780	52.060	26.200
σ		0.325	0.309	0.800	13.610	29.990	0.570	0.880	0.446
%RSD		0.659	1.571	0.996	0.614	1.392	1.144	1.691	1.703

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	25.910	51.500	52.050	4.327	1.277	0.566	0.000	146.100
2	00:18:35	25.710	51.940	51.750	4.521	1.142	0.721	0.000	147.000
3	00:19:18	25.690	51.590	52.090	4.422	1.233	0.242	0.000	145.300
x		25.770	51.680	51.960	4.424	1.217	0.510	0.000	146.100
σ		0.120	0.229	0.185	0.097	0.069	0.244	0.000	0.883
%RSD		0.465	0.442	0.355	2.193	5.675	47.950	0.000	0.604

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	73.369%	99.940	101.400	66.391%	5.075	5.245	5.311	4.741
2	00:18:35	72.463%	99.110	100.400	70.255%	4.879	4.839	4.779	4.755
3	00:19:18	72.417%	98.100	99.730	69.727%	4.894	4.836	4.971	4.406
x		72.750%	99.050	100.500	68.791%	4.949	4.973	5.020	4.634
σ		0.537%	0.922	0.815	2.095%	0.109	0.235	0.270	0.197
%RSD		0.738	0.931	0.811	3.046	2.196	4.729	5.371	4.260

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	73.897%	194.000	48.450	48.570	271.100	272.400	81.059%	82.053%
2	00:18:35	74.249%	194.100	48.830	49.060	270.800	269.700	81.220%	82.635%
3	00:19:18	73.964%	193.000	48.490	47.580	269.000	266.400	81.965%	82.969%
x		74.037%	193.700	48.590	48.400	270.300	269.500	81.415%	82.552%
σ		0.187%	0.614	0.208	0.753	1.156	3.003	0.483%	0.464%
%RSD		0.253	0.317	0.427	1.557	0.428	1.114	0.593	0.562

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:52	4.650	4.629	2.037	2.247	2.127	85.547%
2	00:18:35	4.630	4.644	2.078	2.255	2.128	86.203%
3	00:19:18	4.641	4.638	1.981	2.219	2.083	85.984%
x		4.640	4.637	2.032	2.240	2.113	85.912%
σ		0.010	0.008	0.049	0.019	0.026	0.334%
%RSD		0.211	0.165	2.405	0.849	1.218	0.389

180-20261-C-4-F MSD@10 4/29/2013 12:25:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	76.737%	5.017	178.200	172.000	0.000	70820.000	7758.000	7814.000
2	00:26:47	78.957%	4.662	171.200	167.800	0.000	67500.000	7488.000	7517.000
3	00:27:30	77.299%	5.047	178.200	175.100	0.000	69580.000	7658.000	7679.000
x		77.665%	4.909	175.900	171.700	0.000	69300.000	7635.000	7670.000
σ		1.154%	0.214	4.073	3.674	0.000	1676.000	136.800	148.700
%RSD		1.486	4.360	2.316	2.140	0.000	2.419	1.792	1.938
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	188.700	1731.000	0.000	6174.000	28100.000	26220.000	68.756%	95.170
2	00:26:47	180.200	1647.000	0.000	5918.000	27290.000	25750.000	68.622%	93.790
3	00:27:30	185.700	1699.000	0.000	6169.000	28450.000	26590.000	67.482%	97.760
x		184.800	1692.000	0.000	6087.000	27950.000	26190.000	68.287%	95.570
σ		4.313	42.070	0.000	146.200	598.800	421.500	0.700%	2.016
%RSD		2.333	2.486	0.000	2.402	2.143	1.610	1.025	2.109
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	48.060	19.000	80.350	2230.000	2179.000	48.960	52.030	26.190
2	00:26:47	47.070	19.200	77.890	2159.000	2096.000	46.990	49.030	25.070
3	00:27:30	49.440	19.190	80.240	2244.000	2155.000	48.670	51.340	25.790
x		48.190	19.130	79.490	2211.000	2144.000	48.210	50.800	25.680
σ		1.194	0.112	1.394	45.420	42.850	1.067	1.573	0.570
%RSD		2.478	0.586	1.753	2.054	1.999	2.213	3.097	2.220
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	25.170	50.280	52.100	4.385	1.298	0.275	0.000	146.700
2	00:26:47	24.390	50.250	49.490	4.500	1.307	-0.279	0.000	141.400
3	00:27:30	25.700	50.910	52.540	4.882	1.145	0.756	0.000	147.900
x		25.090	50.480	51.380	4.589	1.250	0.251	0.000	145.400
σ		0.658	0.370	1.647	0.260	0.091	0.518	0.000	3.465
%RSD		2.622	0.732	3.206	5.670	7.288	206.500	0.000	2.384
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	70.781%	98.920	101.900	64.223%	5.095	5.080	5.031	4.481
2	00:26:47	72.281%	97.860	101.100	64.881%	4.936	4.834	5.061	4.308
3	00:27:30	70.434%	102.400	106.200	63.633%	5.171	4.987	5.283	4.724
x		71.165%	99.720	103.100	64.246%	5.068	4.967	5.125	4.504
σ		0.982%	2.372	2.732	0.624%	0.120	0.124	0.138	0.209
%RSD		1.379	2.378	2.651	0.972	2.370	2.493	2.685	4.637
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:04	71.892%	192.800	47.570	47.410	269.700	268.300	77.129%	78.800%
2	00:26:47	73.674%	187.500	46.580	47.000	260.900	259.500	80.701%	82.334%
3	00:27:30	71.813%	196.300	48.870	49.010	272.300	272.800	79.171%	80.997%
x		72.460%	192.200	47.670	47.810	267.600	266.900	79.000%	80.710%
σ		1.052%	4.401	1.152	1.062	5.968	6.751	1.792%	1.784%
%RSD		1.452	2.290	2.417	2.221	2.230	2.530	2.268	2.211
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:26:04	4.621	4.457	2.045	2.321	2.138	78.310%		
2	00:26:47	4.534	4.494	2.019	2.131	2.103	81.245%		
3	00:27:30	4.647	4.660	2.022	2.279	2.178	81.632%		
x		4.601	4.537	2.028	2.244	2.140	80.396%		
σ		0.059	0.108	0.014	0.100	0.038	1.816%		
%RSD		1.291	2.386	0.691	4.441	1.759	2.259		

CCV 801624 4/29/2013 12:33:33 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	75.174%	102.700	105.200	101.800	0.000	49120.000	49420.000	49160.000
2	00:34:59	75.893%	102.800	105.800	100.400	0.000	48310.000	48210.000	47960.000
3	00:35:42	76.591%	101.700	105.400	101.900	0.000	48190.000	48590.000	48280.000
x		75.886%	102.407%	105.435%	101.344%	0.000	97.077%	97.475%	96.936%
σ		0.709%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.934	0.630	0.293	0.822	0.000	1.041	1.265	1.280

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	491.700	5056.000	0.000	48550.000	48260.000	48590.000	69.352%	100.000
2	00:34:59	477.800	4946.000	0.000	48150.000	47120.000	48220.000	69.592%	97.940
3	00:35:42	483.300	4916.000	0.000	47990.000	47830.000	48410.000	69.245%	97.610
x		96.855%	99.454%	0.000	96.460%	95.472%	96.817%	69.396%	98.522%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.178%	n/a
%RSD		1.437	1.484	0.000	0.593	1.209	0.376	0.256	1.327

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	100.400	101.300	472.800	25360.000	24270.000	103.700	106.000	105.700
2	00:34:59	98.300	99.160	465.500	24780.000	23660.000	99.980	101.900	102.300
3	00:35:42	97.540	100.200	469.400	24980.000	23920.000	101.100	102.700	104.000
x		98.756%	100.220%	93.845%	100.161%	95.807%	101.585%	103.549%	104.019%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.513	1.076	0.783	1.171	1.271	1.876	2.095	1.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	106.600	102.800	102.900	103.200	103.300	102.800	0.000	97.810
2	00:34:59	103.500	99.150	100.100	100.400	100.600	100.300	0.000	96.570
3	00:35:42	103.900	100.700	100.100	101.000	101.700	102.300	0.000	96.370
x		104.667%	100.873%	101.044%	101.553%	101.849%	101.806%	0.000	96.917%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.640	1.816	1.589	1.477	1.330	1.298	0.000	0.805

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	70.044%	104.500	106.400	64.042%	102.400	103.800	99.700	99.760
2	00:34:59	70.299%	104.500	106.900	63.751%	99.900	101.200	97.810	97.550
3	00:35:42	70.302%	106.500	107.700	63.952%	100.800	101.300	99.780	99.120
x		70.215%	105.172%	107.013%	63.915%	101.009%	102.098%	99.098%	98.811%
σ		0.148%	n/a	n/a	0.149%	n/a	n/a	n/a	n/a
%RSD		0.211	1.100	0.616	0.233	1.229	1.451	1.124	1.152

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	71.536%	98.040	97.400	97.320	98.270	98.040	76.048%	76.921%
2	00:34:59	71.461%	96.720	96.470	95.780	96.220	96.540	75.296%	76.670%
3	00:35:42	71.358%	97.760	96.690	97.300	96.880	96.470	76.170%	77.354%
x		71.451%	97.509%	96.853%	96.800%	97.123%	97.020%	75.838%	76.982%
σ		0.089%	n/a	n/a	n/a	n/a	n/a	0.473%	0.346%
%RSD		0.125	0.712	0.504	0.914	1.076	0.915	0.624	0.450

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:16	98.010	97.500	97.010	97.930	97.190	75.058%
2	00:34:59	98.030	97.210	97.260	97.470	97.450	71.142%
3	00:35:42	98.920	97.740	97.250	97.650	97.500	71.045%
x		98.323%	97.481%	97.176%	97.686%	97.382%	72.415%
σ		n/a	n/a	n/a	n/a	n/a	2.289%
%RSD		0.529	0.274	0.147	0.235	0.169	3.161

CCB2 4/29/2013 12:41:46 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	94.053%	-0.002	2.522	2.090	0.000	12.310	2.957	3.288
2	00:43:12	95.948%	0.006	1.911	1.983	0.000	15.410	5.358	5.354
3	00:43:55	94.879%	0.011	2.009	1.816	0.000	16.600	6.144	6.448
x		94.960%	0.005	2.147	1.963	0.000	14.770	4.820	5.030
σ		0.950%	0.007	0.328	0.138	0.000	2.216	1.660	1.605
%RSD		1.000	129.800	15.280	7.023	0.000	15.000	34.440	31.910

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	1.343	0.468	0.000	2.766	3.096	4.102	91.755%	-0.187
2	00:43:12	1.876	0.790	0.000	3.902	8.224	7.043	93.918%	-0.180
3	00:43:55	1.863	1.256	0.000	6.154	9.219	7.544	92.826%	-0.125
x		1.694	0.838	0.000	4.274	6.846	6.230	92.833%	-0.164
σ		0.304	0.396	0.000	1.724	3.286	1.860	1.082%	0.034
%RSD		17.950	47.310	0.000	40.350	48.000	29.850	1.165	20.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	0.046	0.019	0.553	5.029	3.792	-0.002	0.031	0.103
2	00:43:12	0.001	-0.010	0.666	6.697	5.230	0.010	0.041	0.155
3	00:43:55	0.024	0.017	0.700	7.765	5.596	0.010	0.038	0.134
x		0.024	0.009	0.640	6.497	4.873	0.006	0.036	0.131
σ		0.023	0.016	0.077	1.379	0.953	0.007	0.005	0.026
%RSD		96.950	180.900	12.050	21.220	19.560	109.700	13.320	20.260

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	0.073	0.211	0.255	-0.032	0.158	-0.062	0.000	0.025
2	00:43:12	0.104	0.223	0.212	0.191	0.238	0.640	0.000	0.039
3	00:43:55	0.077	0.203	0.265	0.170	0.198	0.480	0.000	0.041
x		0.085	0.212	0.244	0.110	0.198	0.353	0.000	0.035
σ		0.017	0.010	0.028	0.123	0.040	0.368	0.000	0.008
%RSD		20.060	4.680	11.480	112.600	20.300	104.400	0.000	23.990

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	93.511%	0.355	0.342	96.764%	-0.003	0.006	0.077	0.064
2	00:43:12	95.805%	0.382	0.355	98.781%	0.006	-0.001	0.090	0.060
3	00:43:55	94.934%	0.409	0.367	97.444%	0.010	0.006	0.086	0.065
x		94.750%	0.382	0.355	97.663%	0.004	0.004	0.084	0.063
σ		1.158%	0.027	0.013	1.026%	0.007	0.004	0.006	0.002
%RSD		1.222	7.160	3.654	1.051	150.300	104.900	7.689	3.725

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	93.755%	0.269	0.029	0.037	-0.006	0.032	95.595%	96.064%
2	00:43:12	96.031%	0.293	0.041	0.035	0.012	0.033	98.389%	98.119%
3	00:43:55	95.498%	0.246	0.019	0.035	0.001	0.051	96.851%	96.964%
x		95.094%	0.270	0.030	0.036	0.002	0.039	96.945%	97.049%
σ		1.190%	0.024	0.011	0.001	0.009	0.011	1.399%	1.030%
%RSD		1.252	8.726	36.770	3.549	381.100	27.560	1.443	1.061

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:29	-0.001	0.002	0.109	0.113	0.106	104.497%
2	00:43:12	0.002	0.001	0.094	0.109	0.104	107.465%
3	00:43:55	0.005	0.002	0.119	0.138	0.123	106.590%
x		0.002	0.001	0.107	0.120	0.111	106.184%
σ		0.003	0.001	0.013	0.016	0.010	1.525%
%RSD		144.600	37.560	11.720	13.200	9.147	1.436

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	78.423%	5.413	182.200	176.200	0.000	69930.000	8207.000	8184.000
2	00:51:26	78.189%	5.317	180.000	178.200	0.000	69590.000	8018.000	8085.000
3	00:52:09	78.912%	5.268	180.700	175.300	0.000	68560.000	7921.000	7914.000
x		78.508%	5.333	181.000	176.500	0.000	69360.000	8049.000	8061.000
σ		0.369%	0.073	1.157	1.461	0.000	713.800	145.800	136.500
%RSD		0.470	1.377	0.639	0.827	0.000	1.029	1.812	1.693

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	199.700	1825.000	0.000	6555.000	27720.000	26450.000	71.886%	101.800
2	00:51:26	196.000	1794.000	0.000	6509.000	27570.000	26410.000	70.511%	102.300
3	00:52:09	192.800	1750.000	0.000	6465.000	27730.000	26130.000	70.306%	101.300
x		196.200	1790.000	0.000	6510.000	27670.000	26330.000	70.901%	101.800
σ		3.439	38.060	0.000	44.850	86.990	174.000	0.859%	0.473
%RSD		1.753	2.127	0.000	0.689	0.314	0.661	1.212	0.465

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	51.620	20.450	82.000	2197.000	2139.000	51.930	54.600	27.650
2	00:51:26	51.600	20.510	81.220	2173.000	2122.000	51.780	53.760	27.310
3	00:52:09	50.860	20.070	81.420	2185.000	2109.000	51.500	53.810	27.280
x		51.360	20.340	81.550	2185.000	2123.000	51.740	54.060	27.410
σ		0.435	0.241	0.409	11.700	15.020	0.218	0.469	0.202
%RSD		0.847	1.183	0.501	0.535	0.707	0.422	0.868	0.738

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	26.610	54.990	53.430	5.014	1.355	0.740	0.000	149.600
2	00:51:26	26.590	53.840	55.580	4.788	1.050	0.395	0.000	149.200
3	00:52:09	26.970	53.810	54.230	4.530	1.006	0.083	0.000	150.400
x		26.720	54.210	54.410	4.778	1.137	0.406	0.000	149.700
σ		0.212	0.672	1.089	0.242	0.190	0.329	0.000	0.585
%RSD		0.793	1.239	2.001	5.068	16.710	80.920	0.000	0.391

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	73.811%	106.900	108.100	67.229%	5.390	5.344	5.530	4.639
2	00:51:26	73.012%	107.100	109.000	66.268%	5.384	5.310	5.300	4.976
3	00:52:09	72.009%	108.500	111.000	65.379%	5.352	5.351	5.330	4.414
x		72.944%	107.500	109.400	66.292%	5.375	5.335	5.387	4.676
σ		0.903%	0.872	1.508	0.925%	0.020	0.022	0.125	0.282
%RSD		1.238	0.811	1.379	1.396	0.379	0.411	2.326	6.041

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	74.181%	203.800	51.460	51.840	280.000	279.300	79.995%	80.870%
2	00:51:26	74.114%	203.000	52.080	51.100	276.700	277.800	80.829%	81.297%
3	00:52:09	74.179%	204.900	51.270	51.490	276.200	274.100	81.046%	81.803%
x		74.158%	203.900	51.600	51.480	277.600	277.100	80.623%	81.323%
σ		0.038%	0.960	0.422	0.369	2.073	2.687	0.555%	0.467%
%RSD		0.051	0.471	0.818	0.717	0.747	0.970	0.688	0.574

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:43	4.843	4.711	2.136	2.208	2.179	80.623%
2	00:51:26	4.844	4.918	2.164	2.245	2.224	80.929%
3	00:52:09	4.930	4.921	2.117	2.293	2.195	83.286%
x		4.873	4.850	2.139	2.249	2.199	81.613%
σ		0.050	0.120	0.024	0.043	0.023	1.457%
%RSD		1.024	2.477	1.099	1.891	1.047	1.785

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	80.875%	0.011	75.030	76.300	0.000	45760.000	2515.000	2515.000
2	00:59:37	82.973%	-0.010	74.270	72.880	0.000	44060.000	2437.000	2448.000
3	01:00:20	82.474%	-0.010	75.810	74.090	0.000	44450.000	2450.000	2444.000
x		82.107%	-0.003	75.040	74.420	0.000	44750.000	2467.000	2469.000
σ		1.096%	0.012	0.768	1.733	0.000	888.600	41.890	39.590
%RSD		1.334	362.300	1.023	2.328	0.000	1.985	1.698	1.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	2.008	1081.000	0.000	1227.000	16130.000	15220.000	73.033%	0.089
2	00:59:37	2.068	1044.000	0.000	1214.000	16050.000	15070.000	72.421%	0.106
3	01:00:20	1.844	1054.000	0.000	1221.000	16190.000	15310.000	72.472%	0.079
x		1.973	1060.000	0.000	1220.000	16130.000	15200.000	72.642%	0.091
σ		0.116	19.210	0.000	6.847	70.790	117.400	0.339%	0.014
%RSD		5.878	1.813	0.000	0.561	0.439	0.773	0.467	15.120

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	-0.050	0.031	42.400	3063.000	2898.000	0.504	24.880	2.035
2	00:59:37	-0.001	0.014	41.570	2996.000	2836.000	0.499	23.600	2.088
3	01:00:20	0.155	0.027	42.330	3035.000	2907.000	0.469	23.890	2.114
x		0.035	0.024	42.100	3031.000	2880.000	0.491	24.120	2.079
σ		0.107	0.009	0.456	33.890	38.690	0.019	0.672	0.040
%RSD		309.600	37.050	1.083	1.118	1.343	3.798	2.785	1.947

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	1.918	55.060	56.350	3.065	0.242	-0.746	0.000	44.850
2	00:59:37	1.620	53.450	54.310	3.136	0.224	-0.110	0.000	44.440
3	01:00:20	1.672	54.520	56.220	3.271	0.230	-0.007	0.000	45.160
x		1.736	54.350	55.620	3.157	0.232	-0.288	0.000	44.820
σ		0.159	0.820	1.139	0.104	0.009	0.400	0.000	0.361
%RSD		9.168	1.508	2.048	3.307	3.891	139.200	0.000	0.806

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	75.353%	1.376	1.387	68.300%	-0.003	0.001	0.121	0.077
2	00:59:37	75.525%	1.204	1.332	74.511%	-0.009	-0.005	0.104	0.118
3	01:00:20	75.036%	1.319	1.357	68.219%	-0.006	-0.001	0.091	0.076
x		75.305%	1.300	1.359	70.344%	-0.006	-0.002	0.105	0.090
σ		0.248%	0.088	0.028	3.610%	0.003	0.003	0.015	0.024
%RSD		0.329	6.752	2.042	5.132	46.670	167.600	14.250	26.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	75.780%	0.672	0.097	0.117	69.880	70.210	79.531%	80.428%
2	00:59:37	76.993%	0.644	0.109	0.100	68.340	68.940	81.389%	82.113%
3	01:00:20	76.752%	0.532	0.099	0.095	69.010	68.920	81.426%	82.848%
x		76.509%	0.616	0.102	0.104	69.080	69.360	80.782%	81.796%
σ		0.642%	0.074	0.007	0.011	0.776	0.739	1.084%	1.241%
%RSD		0.839	12.010	6.463	10.820	1.123	1.066	1.341	1.517

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:54	-0.004	-0.004	0.578	0.575	0.561	80.008%
2	00:59:37	-0.002	-0.007	0.536	0.532	0.521	79.396%
3	01:00:20	-0.007	-0.005	0.540	0.553	0.546	80.022%
x		-0.004	-0.005	0.551	0.553	0.543	79.809%
σ		0.003	0.001	0.023	0.021	0.020	0.358%
%RSD		60.520	27.190	4.165	3.888	3.726	0.448

MB 180-68513/1-A 4/29/2013 1:06:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	93.660%	-0.016	2.311	1.967	0.000	19.670	8.652	8.947
2	01:07:46	97.652%	-0.003	1.534	1.710	0.000	19.020	7.776	8.063
3	01:08:29	98.238%	-0.003	1.624	1.765	0.000	19.570	7.693	8.282
x		96.517%	-0.007	1.823	1.814	0.000	19.420	8.040	8.431
σ		2.491%	0.007	0.425	0.135	0.000	0.348	0.531	0.461
%RSD		2.581	107.400	23.320	7.461	0.000	1.794	6.607	5.465

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	0.507	3.782	0.000	7.224	35.540	27.310	93.260%	0.214
2	01:07:46	0.542	3.451	0.000	6.496	26.540	26.110	96.893%	0.031
3	01:08:29	0.611	3.469	0.000	6.253	31.470	26.680	97.291%	0.060
x		0.554	3.567	0.000	6.658	31.180	26.700	95.815%	0.101
σ		0.053	0.186	0.000	0.505	4.507	0.600	2.221%	0.098
%RSD		9.555	5.215	0.000	7.587	14.450	2.246	2.318	97.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	-0.005	-0.021	0.030	6.233	3.280	-0.003	0.048	0.237
2	01:07:46	0.041	-0.007	0.045	5.131	3.709	-0.005	0.014	0.238
3	01:08:29	0.009	0.021	0.047	5.429	3.484	-0.007	0.027	0.222
x		0.015	-0.002	0.040	5.598	3.491	-0.005	0.030	0.232
σ		0.024	0.021	0.009	0.570	0.215	0.002	0.017	0.009
%RSD		158.200	1076.000	22.840	10.180	6.155	36.880	58.640	3.898

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	0.203	0.463	0.360	0.097	0.092	0.321	0.000	0.068
2	01:07:46	0.158	0.506	0.421	0.056	0.133	0.192	0.000	0.064
3	01:08:29	0.132	0.417	0.412	0.078	0.424	0.249	0.000	0.073
x		0.165	0.462	0.398	0.077	0.216	0.254	0.000	0.068
σ		0.036	0.044	0.033	0.020	0.181	0.065	0.000	0.004
%RSD		21.930	9.623	8.346	26.060	83.840	25.490	0.000	6.420

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	94.664%	0.339	0.377	98.253%	-0.008	-0.003	0.106	0.068
2	01:07:46	98.168%	0.281	0.277	100.911%	-0.000	-0.004	0.102	0.045
3	01:08:29	98.749%	0.226	0.257	100.696%	-0.004	-0.001	0.071	0.045
x		97.194%	0.282	0.304	99.953%	-0.004	-0.003	0.093	0.052
σ		2.210%	0.057	0.065	1.476%	0.004	0.002	0.019	0.013
%RSD		2.274	20.090	21.230	1.477	96.960	58.160	20.760	25.070

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	93.933%	4.204	0.009	0.014	0.114	0.152	95.330%	96.352%
2	01:07:46	98.255%	4.083	0.002	0.014	0.115	0.134	100.110%	100.525%
3	01:08:29	98.509%	3.991	0.007	0.006	0.070	0.118	101.084%	101.619%
x		96.899%	4.092	0.006	0.011	0.100	0.135	98.841%	99.498%
σ		2.572%	0.107	0.004	0.005	0.026	0.017	3.079%	2.779%
%RSD		2.654	2.613	65.540	41.240	25.810	12.350	3.115	2.793

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:03	0.003	0.001	0.017	0.006	0.011	105.610%
2	01:07:46	0.000	0.003	0.015	0.004	0.008	108.895%
3	01:08:29	0.007	0.002	0.017	0.008	0.009	110.290%
x		0.003	0.002	0.016	0.006	0.009	108.265%
σ		0.003	0.001	0.001	0.002	0.001	2.403%
%RSD		92.720	61.410	5.549	41.290	15.870	2.220

LCS 180-68513/2-A 4/29/2013 1:14:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	72.797%	43.180	861.400	848.200	0.000	47000.000	46830.000	46300.000
2	01:15:55	72.101%	43.610	871.400	869.300	0.000	47450.000	47420.000	47430.000
3	01:16:38	72.981%	42.880	873.200	867.200	0.000	47780.000	47510.000	47440.000
x		72.627%	43.230	868.700	861.600	0.000	47410.000	47250.000	47060.000
σ		0.464%	0.368	6.364	11.630	0.000	391.300	369.900	658.900
%RSD		0.639	0.851	0.733	1.350	0.000	0.825	0.783	1.400

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	1936.000	5103.000	0.000	46650.000	47540.000	47400.000	64.790%	962.200
2	01:15:55	1974.000	5173.000	0.000	47770.000	48270.000	48620.000	64.070%	980.700
3	01:16:38	1979.000	5160.000	0.000	48130.000	49200.000	46290.000	64.177%	996.200
x		1963.000	5145.000	0.000	47520.000	48340.000	47440.000	64.346%	979.700
σ		23.540	37.150	0.000	770.500	829.000	1165.000	0.389%	17.060
%RSD		1.199	0.722	0.000	1.622	1.715	2.457	0.604	1.741

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	493.700	197.400	460.500	961.100	1074.000	501.000	509.200	255.900
2	01:15:55	502.100	200.200	470.800	1046.000	1091.000	508.100	513.200	258.000
3	01:16:38	503.400	201.300	472.300	1045.000	1097.000	508.900	505.800	255.600
x		499.800	199.600	467.900	1017.000	1087.000	506.000	509.400	256.500
σ		5.253	2.006	6.431	48.650	11.540	4.371	3.699	1.288
%RSD		1.051	1.005	1.375	4.782	1.062	0.864	0.726	0.502

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	256.100	419.000	418.400	33.580	7.476	8.557	0.000	1032.000
2	01:15:55	261.900	429.500	429.900	33.840	7.892	8.645	0.000	1057.000
3	01:16:38	257.000	424.900	427.000	33.910	8.003	8.665	0.000	1061.000
x		258.300	424.500	425.100	33.780	7.790	8.622	0.000	1050.000
σ		3.082	5.256	6.009	0.174	0.278	0.058	0.000	15.670
%RSD		1.193	1.238	1.413	0.514	3.569	0.667	0.000	1.492

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	61.261%	1029.000	1030.000	62.055%	46.260	46.710	43.770	35.310
2	01:15:55	61.407%	1059.000	1054.000	61.653%	46.620	47.400	44.070	35.530
3	01:16:38	62.073%	1057.000	1059.000	62.082%	47.540	47.890	44.600	34.970
x		61.580%	1048.000	1048.000	61.930%	46.810	47.330	44.150	35.270
σ		0.433%	16.980	15.520	0.240%	0.664	0.590	0.420	0.281
%RSD		0.703	1.620	1.480	0.388	1.418	1.246	0.952	0.796

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	65.856%	2041.000	423.300	422.700	1839.000	1825.000	75.472%	76.327%
2	01:15:55	66.401%	2090.000	432.300	432.400	1865.000	1865.000	76.527%	77.815%
3	01:16:38	66.947%	2104.000	436.900	435.000	1885.000	1873.000	77.602%	78.200%
x		66.401%	2078.000	430.800	430.000	1863.000	1854.000	76.534%	77.447%
σ		0.546%	33.260	6.943	6.484	23.010	26.180	1.065%	0.989%
%RSD		0.822	1.600	1.611	1.508	1.236	1.411	1.391	1.278

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:13	45.790	45.950	17.650	19.060	18.390	70.506%
2	01:15:55	46.910	46.640	17.930	19.520	18.720	72.824%
3	01:16:38	47.790	48.050	18.480	20.280	19.410	73.797%
x		46.830	46.880	18.020	19.620	18.840	72.376%
σ		0.999	1.070	0.421	0.616	0.520	1.691%
%RSD		2.134	2.282	2.335	3.141	2.761	2.336

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	68.334%	5.170	35.640	36.100	0.000	381.100	26220.000	26060.000
2	01:24:05	69.676%	5.369	33.080	34.630	0.000	370.800	25470.000	25370.000
3	01:24:48	68.525%	5.467	35.000	35.160	0.000	389.800	26560.000	26540.000
x		68.845%	5.335	34.570	35.300	0.000	380.500	26080.000	25990.000
σ		0.726%	0.152	1.333	0.745	0.000	9.516	559.900	589.600
%RSD		1.055	2.840	3.855	2.111	0.000	2.501	2.147	2.268
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	112800.000	17320.000	0.000	9981.000	5950.000	5711.000	67.943%	1142.000
2	01:24:05	109000.000	16670.000	0.000	9595.000	5730.000	5564.000	67.807%	1106.000
3	01:24:48	114800.000	17370.000	0.000	10100.000	5913.000	5735.000	66.415%	1151.000
x		112200.000	17120.000	0.000	9893.000	5864.000	5670.000	67.388%	1133.000
σ		2940.000	394.300	0.000	266.100	118.000	92.770	0.845%	23.960
%RSD		2.621	2.303	0.000	2.690	2.012	1.636	1.255	2.114
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	178.800	154.900	3035.000	240800.000	241700.000	95.140	214.900	172.100
2	01:24:05	174.500	150.600	2991.000	235800.000	237600.000	94.010	206.700	167.000
3	01:24:48	181.900	156.600	3115.000	245100.000	247700.000	96.990	213.200	172.700
x		178.400	154.000	3047.000	240600.000	242300.000	95.380	211.600	170.600
σ		3.695	3.104	63.050	4627.000	5063.000	1.507	4.306	3.152
%RSD		2.071	2.015	2.069	1.923	2.089	1.580	2.035	1.847
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	174.400	538.400	547.900	104.300	1.886	2.589	0.000	47.350
2	01:24:05	169.300	535.400	541.600	103.100	1.785	2.912	0.000	46.930
3	01:24:48	173.200	552.600	558.700	106.500	2.182	3.374	0.000	49.670
x		172.300	542.100	549.400	104.600	1.951	2.958	0.000	47.980
σ		2.674	9.202	8.668	1.765	0.206	0.394	0.000	1.481
%RSD		1.552	1.697	1.578	1.687	10.560	13.330	0.000	3.087
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	0.000	10.090	9.885	59.237%	0.228	0.148	1.449	1.105
2	01:24:05	0.000	9.813	10.150	59.173%	0.242	0.147	1.458	1.108
3	01:24:48	0.000	10.680	10.500	56.893%	0.213	0.145	1.285	1.044
x		0.000	10.190	10.180	58.434%	0.228	0.147	1.397	1.086
σ		0.000	0.444	0.306	1.335%	0.015	0.002	0.098	0.036
%RSD		0.000	4.352	3.007	2.285	6.376	1.096	6.985	3.316
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:23	67.063%	4.898	0.494	0.518	533.200	530.900	75.056%	75.162%
2	01:24:05	67.304%	4.128	0.431	0.461	520.000	517.600	75.145%	74.818%
3	01:24:48	66.026%	3.837	0.419	0.468	538.900	540.300	73.603%	72.731%
x		66.798%	4.288	0.448	0.482	530.700	529.600	74.601%	74.237%
σ		0.679%	0.548	0.040	0.031	9.687	11.420	0.866%	1.315%
%RSD		1.016	12.780	8.895	6.387	1.825	2.156	1.161	1.772
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:23:23	1.531	1.500	130.300	129.400	129.800	71.080%		
2	01:24:05	1.470	1.507	129.200	126.800	127.800	67.300%		
3	01:24:48	1.569	1.567	135.300	132.100	133.400	62.649%		
x		1.523	1.524	131.600	129.500	130.300	67.010%		
σ		0.050	0.037	3.250	2.669	2.867	4.223%		
%RSD		3.298	2.418	2.470	2.062	2.200	6.303		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	75.807%	1.324	10.130	9.804	0.000	89.710	5148.000	5134.000
2	01:32:15	76.104%	1.337	10.260	9.839	0.000	91.670	5187.000	5192.000
3	01:32:58	76.564%	1.185	9.594	9.473	0.000	90.440	5133.000	5121.000
x		76.158%	1.282	9.994	9.705	0.000	90.610	5156.000	5149.000
σ		0.382%	0.084	0.354	0.202	0.000	0.988	28.280	37.860
%RSD		0.501	6.566	3.538	2.077	0.000	1.091	0.548	0.735

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	22910.000	3579.000	0.000	2053.000	1244.000	1176.000	73.933%	231.300
2	01:32:15	23170.000	3567.000	0.000	2058.000	1265.000	1192.000	73.348%	233.800
3	01:32:58	23000.000	3532.000	0.000	2030.000	1192.000	1184.000	74.051%	233.200
x		23030.000	3559.000	0.000	2047.000	1234.000	1184.000	73.777%	232.800
σ		131.100	24.910	0.000	14.630	37.440	8.134	0.376%	1.288
%RSD		0.570	0.700	0.000	0.715	3.035	0.687	0.510	0.553

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	35.570	30.590	567.200	47760.000	47480.000	18.750	43.100	36.000
2	01:32:15	36.330	30.800	559.500	48200.000	48040.000	19.020	43.250	35.440
3	01:32:58	35.290	30.320	565.200	47680.000	47450.000	18.540	42.060	34.600
x		35.730	30.570	563.900	47880.000	47660.000	18.770	42.800	35.350
σ		0.539	0.241	3.988	279.000	330.400	0.239	0.647	0.704
%RSD		1.510	0.788	0.707	0.583	0.693	1.272	1.511	1.992

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	35.800	125.400	123.300	22.170	0.206	-0.575	0.000	7.925
2	01:32:15	35.270	125.900	126.400	22.770	0.231	-0.052	0.000	7.955
3	01:32:58	34.730	124.400	126.500	22.940	0.146	-0.798	0.000	7.936
x		35.270	125.200	125.400	22.630	0.194	-0.475	0.000	7.939
σ		0.535	0.778	1.815	0.406	0.044	0.383	0.000	0.015
%RSD		1.517	0.622	1.447	1.797	22.540	80.580	0.000	0.186

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	83.585%	1.731	1.784	74.397%	0.024	0.020	0.346	0.275
2	01:32:15	83.879%	1.646	1.832	74.186%	0.030	0.033	0.314	0.257
3	01:32:58	84.186%	1.701	1.887	70.026%	0.040	0.017	0.235	0.220
x		83.884%	1.693	1.834	72.870%	0.031	0.023	0.298	0.251
σ		0.301%	0.043	0.051	2.465%	0.008	0.008	0.057	0.028
%RSD		0.358	2.546	2.786	3.382	25.090	35.910	19.120	11.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	76.744%	0.903	0.090	0.095	108.400	107.200	81.462%	82.039%
2	01:32:15	76.589%	0.869	0.101	0.076	107.400	108.200	82.435%	82.811%
3	01:32:58	76.961%	0.925	0.108	0.096	107.800	108.100	82.984%	83.463%
x		76.765%	0.899	0.100	0.089	107.900	107.900	82.294%	82.771%
σ		0.187%	0.028	0.009	0.011	0.469	0.546	0.771%	0.713%
%RSD		0.244	3.146	8.825	12.780	0.435	0.506	0.937	0.861

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:32	0.270	0.278	24.710	24.290	24.440	87.904%
2	01:32:15	0.274	0.278	25.310	24.990	25.000	87.686%
3	01:32:58	0.297	0.286	25.650	24.980	25.140	87.335%
x		0.281	0.281	25.220	24.750	24.860	87.641%
σ		0.015	0.005	0.475	0.399	0.372	0.287%
%RSD		5.169	1.689	1.882	1.613	1.497	0.328

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	63.685%	49.580	878.600	865.300	0.000	47340.000	76690.000	76050.000
2	01:40:27	64.308%	48.940	868.900	854.600	0.000	46290.000	74660.000	73800.000
3	01:41:10	65.432%	48.150	854.300	844.600	0.000	44590.000	72750.000	72200.000
x		64.475%	48.890	867.200	854.800	0.000	46070.000	74700.000	74020.000
σ		0.885%	0.719	12.230	10.360	0.000	1390.000	1967.000	1934.000
%RSD		1.373	1.471	1.410	1.212	0.000	3.017	2.633	2.613

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	165100.000	30980.000	0.000	59220.000	50420.000	50250.000	65.257%	2028.000
2	01:40:27	160800.000	29960.000	0.000	57710.000	48730.000	49090.000	65.487%	1973.000
3	01:41:10	156600.000	29140.000	0.000	55890.000	48490.000	48750.000	65.917%	1922.000
x		160800.000	30030.000	0.000	57600.000	49210.000	49360.000	65.553%	1974.000
σ		4254.000	924.900	0.000	1669.000	1053.000	787.100	0.335%	52.840
%RSD		2.645	3.080	0.000	2.898	2.140	1.594	0.511	2.677

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	719.500	383.800	4042.000	258700.000	263700.000	562.200	685.000	398.400
2	01:40:27	703.800	375.000	3985.000	254100.000	255800.000	546.000	662.000	387.700
3	01:41:10	682.700	366.000	3906.000	248900.000	249400.000	532.400	646.400	380.100
x		702.000	374.900	3978.000	253900.000	256300.000	546.900	664.500	388.700
σ		18.450	8.879	68.640	4924.000	7138.000	14.900	19.420	9.205
%RSD		2.629	2.368	1.726	1.939	2.785	2.725	2.923	2.368

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	405.300	986.400	992.100	145.300	9.585	10.100	0.000	1166.000
2	01:40:27	390.300	958.200	973.400	137.400	8.898	9.924	0.000	1139.000
3	01:41:10	378.800	946.000	957.900	138.300	8.236	9.486	0.000	1120.000
x		391.500	963.500	974.500	140.300	8.906	9.836	0.000	1142.000
σ		13.320	20.710	17.090	4.296	0.674	0.316	0.000	23.430
%RSD		3.401	2.150	1.754	3.061	7.573	3.208	0.000	2.053

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	0.000	1013.000	1025.000	53.672%	45.270	45.760	46.130	42.170
2	01:40:27	0.000	994.700	1008.000	54.065%	44.380	43.850	43.530	41.390
3	01:41:10	0.000	984.900	987.100	54.422%	43.920	43.430	42.580	40.400
x		0.000	997.400	1007.000	54.053%	44.520	44.350	44.080	41.320
σ		0.000	14.060	19.170	0.375%	0.685	1.243	1.839	0.885
%RSD		0.000	1.410	1.903	0.694	1.538	2.802	4.172	2.141

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	62.235%	558.600	157.000	156.100	2461.000	2441.000	70.150%	69.513%
2	01:40:27	63.859%	544.500	152.600	152.600	2384.000	2375.000	71.875%	71.147%
3	01:41:10	64.338%	537.400	151.400	152.100	2342.000	2323.000	73.598%	73.077%
x		63.478%	546.800	153.700	153.600	2395.000	2380.000	71.874%	71.246%
σ		1.102%	10.790	2.910	2.168	60.150	59.310	1.724%	1.784%
%RSD		1.737	1.974	1.894	1.411	2.511	2.492	2.398	2.504

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:44	48.960	48.410	159.500	158.700	159.400	61.144%
2	01:40:27	48.310	48.120	159.300	158.100	158.700	62.246%
3	01:41:10	47.590	47.270	155.100	154.600	155.300	64.598%
x		48.290	47.930	157.900	157.100	157.800	62.663%
σ		0.687	0.592	2.507	2.202	2.200	1.765%
%RSD		1.422	1.234	1.587	1.401	1.394	2.816

240-22392-C-2-E MSD 4/29/2013 1:47:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	63.360%	49.840	876.100	865.000	0.000	47180.000	75140.000	74780.000
2	01:48:38	64.985%	48.550	860.400	852.400	0.000	46480.000	73570.000	72420.000
3	01:49:21	64.488%	47.170	856.800	850.600	0.000	46340.000	73400.000	73010.000
x		64.278%	48.520	864.400	856.000	0.000	46670.000	74030.000	73400.000
σ		0.832%	1.338	10.290	7.827	0.000	450.400	958.400	1233.000
%RSD		1.295	2.757	1.190	0.914	0.000	0.965	1.294	1.680
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	156200.000	34410.000	0.000	58180.000	51180.000	50590.000	64.739%	2025.000
2	01:48:38	150500.000	33030.000	0.000	57250.000	50050.000	50290.000	64.184%	1985.000
3	01:49:21	151900.000	33210.000	0.000	56220.000	49980.000	49710.000	63.069%	1970.000
x		152900.000	33550.000	0.000	57220.000	50400.000	50200.000	63.997%	1993.000
σ		2988.000	750.800	0.000	980.800	671.100	447.800	0.850%	28.350
%RSD		1.955	2.238	0.000	1.714	1.331	0.892	1.329	1.422
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	705.700	377.300	3338.000	250200.000	250900.000	560.300	681.000	392.800
2	01:48:38	690.700	370.600	3322.000	246700.000	249100.000	553.900	666.000	386.900
3	01:49:21	686.100	366.700	3278.000	244100.000	247700.000	543.300	659.500	383.200
x		694.200	371.600	3312.000	247000.000	249200.000	552.500	668.800	387.600
σ		10.260	5.379	30.790	3041.000	1625.000	8.596	11.030	4.837
%RSD		1.478	1.448	0.930	1.231	0.652	1.556	1.649	1.248
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	396.200	942.300	956.200	148.800	8.644	10.370	0.000	1139.000
2	01:48:38	392.100	937.300	953.600	146.300	8.857	9.877	0.000	1140.000
3	01:49:21	382.000	928.600	941.400	144.000	8.750	10.360	0.000	1125.000
x		390.100	936.100	950.400	146.300	8.750	10.200	0.000	1135.000
σ		7.278	6.980	7.937	2.405	0.107	0.283	0.000	8.209
%RSD		1.866	0.746	0.835	1.643	1.219	2.774	0.000	0.724
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	0.000	1017.000	1034.000	53.931%	45.510	45.360	44.350	41.340
2	01:48:38	0.000	1011.000	1021.000	53.087%	44.640	44.720	44.190	41.230
3	01:49:21	0.000	990.100	1003.000	52.809%	44.130	44.500	43.900	41.040
x		0.000	1006.000	1019.000	53.276%	44.760	44.860	44.150	41.210
σ		0.000	14.030	15.550	0.584%	0.698	0.450	0.229	0.151
%RSD		0.000	1.394	1.526	1.096	1.559	1.004	0.519	0.367
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:55	62.926%	651.400	168.800	169.500	2415.000	2384.000	71.176%	71.031%
2	01:48:38	62.391%	649.500	168.900	167.600	2367.000	2355.000	71.067%	71.024%
3	01:49:21	61.603%	642.700	167.300	166.700	2344.000	2329.000	69.836%	69.179%
x		62.306%	647.800	168.300	167.900	2375.000	2356.000	70.693%	70.411%
σ		0.665%	4.581	0.918	1.405	36.530	27.500	0.745%	1.067%
%RSD		1.068	0.707	0.545	0.837	1.538	1.167	1.053	1.516
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:47:55	48.750	48.760	158.300	157.400	157.600	64.502%		
2	01:48:38	48.960	48.400	156.200	156.700	156.500	61.154%		
3	01:49:21	48.120	47.770	153.500	152.600	153.400	58.330%		
x		48.610	48.310	156.000	155.600	155.800	61.329%		
σ		0.438	0.500	2.385	2.584	2.192	3.090%		
%RSD		0.901	1.035	1.529	1.661	1.407	5.038		

240-22392-C-2-A PDS 4/29/2013 1:55:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	63.581%	49.350	940.600	936.900	0.000	51790.000	76260.000	76040.000
2	01:56:50	63.623%	50.220	944.200	938.000	0.000	51340.000	75530.000	75600.000
3	01:57:33	64.764%	49.190	913.500	908.800	0.000	49750.000	73380.000	72770.000
x		63.990%	49.590	932.800	927.900	0.000	50960.000	75060.000	74800.000
σ		0.671%	0.557	16.780	16.570	0.000	1070.000	1497.000	1773.000
%RSD		1.049	1.123	1.799	1.786	0.000	2.099	1.994	2.370
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	112700.000	26780.000	0.000	59660.000	55560.000	56370.000	60.949%	2169.000
2	01:56:50	112900.000	26470.000	0.000	59670.000	56280.000	56470.000	60.358%	2160.000
3	01:57:33	108600.000	25600.000	0.000	57380.000	54390.000	54440.000	60.646%	2064.000
x		111400.000	26280.000	0.000	58900.000	55410.000	55760.000	60.651%	2131.000
σ		2440.000	609.800	0.000	1320.000	955.100	1140.000	0.296%	57.950
%RSD		2.190	2.320	0.000	2.241	1.724	2.045	0.487	2.720
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	696.200	359.800	3534.000	240400.000	240900.000	608.000	722.000	419.600
2	01:56:50	692.900	357.200	3542.000	240700.000	243000.000	605.100	713.200	418.700
3	01:57:33	661.300	341.700	3417.000	232200.000	232800.000	585.800	688.800	404.800
x		683.500	352.900	3498.000	237700.000	238900.000	599.600	708.000	414.400
σ		19.280	9.793	70.140	4823.000	5369.000	12.080	17.200	8.277
%RSD		2.821	2.775	2.005	2.029	2.247	2.014	2.429	1.997
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	425.400	967.000	976.600	139.200	10.000	11.110	0.000	1236.000
2	01:56:50	422.100	974.300	983.800	141.100	10.050	11.880	0.000	1229.000
3	01:57:33	408.600	942.000	953.500	136.800	9.939	12.450	0.000	1181.000
x		418.700	961.100	971.300	139.000	9.996	11.810	0.000	1215.000
σ		8.910	16.950	15.850	2.153	0.055	0.673	0.000	30.210
%RSD		2.128	1.763	1.632	1.549	0.545	5.699	0.000	2.485
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	0.000	1222.000	1237.000	51.569%	51.400	51.150	47.360	39.760
2	01:56:50	0.000	1223.000	1246.000	51.393%	51.430	51.180	47.720	36.350
3	01:57:33	0.000	1179.000	1183.000	52.366%	49.300	48.430	46.120	35.060
x		0.000	1208.000	1222.000	51.776%	50.710	50.250	47.070	37.060
σ		0.000	24.850	34.140	0.519%	1.221	1.583	0.840	2.429
%RSD		0.000	2.057	2.795	1.001	2.407	3.150	1.784	6.556
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:07	62.666%	1985.000	445.700	442.300	2459.000	2427.000	72.745%	72.963%
2	01:56:50	62.468%	2134.000	443.900	446.700	2460.000	2432.000	73.885%	73.598%
3	01:57:33	63.990%	2033.000	430.200	432.100	2359.000	2343.000	74.848%	75.119%
x		63.041%	2051.000	439.900	440.400	2426.000	2401.000	73.826%	73.893%
σ		0.828%	76.130	8.502	7.471	57.970	50.040	1.053%	1.108%
%RSD		1.313	3.712	1.933	1.697	2.389	2.084	1.426	1.500
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:56:07	54.470	54.230	152.200	150.700	151.100	65.923%		
2	01:56:50	53.850	53.920	151.600	150.900	150.900	67.108%		
3	01:57:33	51.440	51.940	144.500	143.700	144.100	69.265%		
x		53.250	53.370	149.400	148.400	148.700	67.432%		
σ		1.600	1.243	4.277	4.084	4.004	1.694%		
%RSD		3.005	2.329	2.862	2.752	2.692	2.512		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	67.089%	4.568	36.500	34.960	0.000	341.200	22060.000	22010.000
2	02:05:03	68.061%	4.876	34.140	34.680	0.000	341.100	21980.000	21810.000
3	02:05:46	68.005%	4.526	34.420	33.350	0.000	344.000	22050.000	21830.000
x		67.718%	4.657	35.020	34.330	0.000	342.100	22030.000	21880.000
σ		0.546%	0.191	1.290	0.865	0.000	1.643	43.760	109.900
%RSD		0.806	4.104	3.684	2.520	0.000	0.480	0.199	0.502

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	98510.000	16080.000	0.000	8013.000	7093.000	6728.000	65.831%	1015.000
2	02:05:03	97030.000	15950.000	0.000	8006.000	7113.000	6767.000	66.405%	1018.000
3	02:05:46	98210.000	16120.000	0.000	8117.000	7083.000	6769.000	66.475%	1024.000
x		97920.000	16050.000	0.000	8045.000	7096.000	6755.000	66.237%	1019.000
σ		778.600	90.600	0.000	61.950	15.310	23.410	0.353%	4.384
%RSD		0.795	0.565	0.000	0.770	0.216	0.347	0.533	0.430

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	161.700	131.900	4124.000	206800.000	206300.000	87.550	180.900	142.100
2	02:05:03	162.300	132.400	4164.000	206300.000	207300.000	87.500	182.000	140.300
3	02:05:46	163.000	133.600	4163.000	206100.000	207700.000	86.970	180.800	141.700
x		162.300	132.600	4150.000	206400.000	207100.000	87.340	181.200	141.400
σ		0.656	0.882	23.210	337.500	730.200	0.322	0.692	0.966
%RSD		0.404	0.665	0.559	0.164	0.352	0.369	0.382	0.683

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	142.500	445.400	452.700	88.020	2.001	2.632	0.000	48.780
2	02:05:03	143.000	446.500	450.700	87.860	2.077	3.378	0.000	49.480
3	02:05:46	142.400	448.400	458.800	87.630	2.177	2.905	0.000	49.470
x		142.600	446.800	454.100	87.840	2.085	2.972	0.000	49.240
σ		0.286	1.502	4.256	0.192	0.088	0.377	0.000	0.404
%RSD		0.201	0.336	0.937	0.219	4.217	12.690	0.000	0.821

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	0.000	10.980	11.470	57.920%	0.240	0.184	1.482	1.240
2	02:05:03	0.000	11.180	11.160	58.376%	0.259	0.198	1.471	1.184
3	02:05:46	0.000	10.690	11.010	58.925%	0.232	0.171	1.471	1.222
x		0.000	10.950	11.220	58.407%	0.244	0.184	1.475	1.215
σ		0.000	0.243	0.236	0.503%	0.014	0.013	0.006	0.029
%RSD		0.000	2.222	2.102	0.862	5.755	7.207	0.435	2.361

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	65.855%	4.911	2.183	2.071	523.000	524.300	72.424%	72.408%
2	02:05:03	66.807%	4.306	1.792	1.838	524.400	523.200	74.828%	74.851%
3	02:05:46	67.806%	3.955	1.359	1.440	528.300	521.100	75.911%	75.821%
x		66.823%	4.391	1.778	1.783	525.200	522.900	74.387%	74.360%
σ		0.976%	0.484	0.412	0.320	2.728	1.592	1.784%	1.759%
%RSD		1.460	11.010	23.180	17.920	0.519	0.304	2.399	2.365

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:20	1.307	1.323	121.000	119.600	120.100	66.846%
2	02:05:03	1.406	1.354	122.500	120.200	121.200	68.908%
3	02:05:46	1.393	1.369	122.400	120.200	120.900	71.575%
x		1.369	1.349	122.000	120.000	120.700	69.110%
σ		0.054	0.024	0.844	0.338	0.583	2.371%
%RSD		3.939	1.753	0.692	0.282	0.483	3.431

CCV 781130 4/29/2013 2:11:49 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	72.597%	101.400	105.600	104.300	0.000	49140.000	49170.000	48640.000
2	02:13:15	71.753%	101.800	109.100	104.900	0.000	49510.000	49190.000	48890.000
3	02:13:58	71.671%	103.500	106.700	106.800	0.000	49400.000	49490.000	49160.000
x		72.007%	102.241%	107.105%	105.334%	0.000	98.705%	98.569%	97.788%
σ		0.513%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.712	1.113	1.676	1.267	0.000	0.392	0.360	0.530
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	488.900	5122.000	0.000	48160.000	47290.000	47810.000	68.035%	98.560
2	02:13:15	487.600	5092.000	0.000	48220.000	47990.000	48510.000	66.796%	100.200
3	02:13:58	492.500	5131.000	0.000	48710.000	48810.000	48990.000	65.076%	100.400
x		97.936%	102.304%	0.000	96.728%	96.067%	96.875%	66.636%	99.715%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.486%	n/a
%RSD		0.520	0.403	0.000	0.622	1.584	1.225	2.230	1.008
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	98.740	98.510	460.000	24810.000	23640.000	100.500	102.600	102.100
2	02:13:15	97.930	98.610	464.700	24780.000	23750.000	99.330	103.500	102.200
3	02:13:58	100.600	99.470	473.300	25390.000	24220.000	101.600	103.800	104.000
x		99.082%	98.861%	93.201%	99.970%	95.484%	100.456%	103.313%	102.769%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.371	0.538	1.447	1.376	1.283	1.107	0.598	1.014
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	102.800	99.270	99.150	99.850	100.800	100.800	0.000	96.620
2	02:13:15	102.300	98.890	99.600	101.200	101.200	101.500	0.000	96.560
3	02:13:58	103.600	101.400	102.100	102.600	104.800	104.500	0.000	98.500
x		102.891%	99.845%	100.282%	101.234%	102.275%	102.264%	0.000	97.225%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.642	1.342	1.583	1.371	2.155	1.917	0.000	1.139
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	68.873%	102.300	104.500	62.632%	99.570	101.000	99.490	98.460
2	02:13:15	67.560%	104.200	106.600	60.668%	100.600	102.200	100.500	99.060
3	02:13:58	66.004%	107.700	109.200	59.828%	101.600	101.700	99.820	99.770
x		67.479%	104.700%	106.797%	61.042%	100.609%	101.628%	99.930%	99.096%
σ		1.436%	n/a	n/a	1.439%	n/a	n/a	n/a	n/a
%RSD		2.129	2.623	2.207	2.358	1.026	0.600	0.506	0.662
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:32	69.881%	96.830	95.780	96.550	97.190	97.830	74.399%	75.908%
2	02:13:15	68.227%	97.810	97.230	96.880	98.330	97.430	72.412%	73.791%
3	02:13:58	67.753%	99.010	98.400	98.090	97.750	98.950	72.032%	73.063%
x		68.620%	97.884%	97.134%	97.175%	97.754%	98.068%	72.948%	74.254%
σ		1.117%	n/a	n/a	n/a	n/a	n/a	1.271%	1.478%
%RSD		1.628	1.116	1.350	0.836	0.584	0.805	1.742	1.990
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:12:32	95.840	95.050	95.240	95.460	95.340	74.888%		
2	02:13:15	98.720	97.220	97.670	97.010	97.170	68.634%		
3	02:13:58	99.440	98.540	99.210	98.740	98.950	67.213%		
x		97.996%	96.937%	97.375%	97.071%	97.158%	70.245%		
σ		n/a	n/a	n/a	n/a	n/a	4.083%		
%RSD		1.945	1.821	2.057	1.688	1.858	5.813		

CCB3 4/29/2013 2:20:03 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	108.237%	0.004	3.295	3.593	0.000	6.583	4.174	4.386
2	02:21:29	113.857%	0.003	3.191	3.478	0.000	7.636	6.854	6.430
3	02:22:12	111.426%	0.026	3.277	3.205	0.000	10.080	7.476	6.954
x		111.173%	0.011	3.254	3.425	0.000	8.101	6.168	5.923
σ		2.818%	0.013	0.056	0.200	0.000	1.796	1.755	1.357
%RSD		2.535	117.400	1.717	5.825	0.000	22.170	28.450	22.900
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	1.702	1.419	0.000	-2.340	4.612	3.395	95.400%	-0.119
2	02:21:29	2.364	4.394	0.000	-2.528	7.494	6.086	101.191%	-0.150
3	02:22:12	2.601	6.884	0.000	-0.232	5.207	7.321	99.209%	-0.137
x		2.222	4.232	0.000	-1.700	5.771	5.601	98.600%	-0.135
σ		0.466	2.736	0.000	1.275	1.521	2.007	2.943%	0.015
%RSD		20.970	64.650	0.000	74.980	26.360	35.840	2.985	11.410
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	0.012	0.005	0.282	2.542	5.430	0.009	0.033	0.042
2	02:21:29	0.031	-0.017	0.343	3.512	7.884	0.004	0.036	0.053
3	02:22:12	0.018	-0.010	0.405	5.332	8.313	0.016	0.028	0.078
x		0.020	-0.007	0.343	3.795	7.209	0.010	0.032	0.058
σ		0.010	0.012	0.062	1.416	1.556	0.006	0.005	0.019
%RSD		49.100	159.200	17.980	37.310	21.580	60.810	14.040	32.200
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	0.054	0.168	0.201	-0.177	-0.163	-0.542	0.000	0.027
2	02:21:29	0.072	0.098	0.193	-0.318	-0.241	-1.049	0.000	0.033
3	02:22:12	0.075	0.217	0.194	0.045	-0.066	-0.046	0.000	0.043
x		0.067	0.161	0.196	-0.150	-0.157	-0.546	0.000	0.034
σ		0.011	0.060	0.005	0.183	0.088	0.501	0.000	0.008
%RSD		16.880	37.100	2.379	122.400	55.970	91.820	0.000	23.210
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	94.314%	0.319	0.295	93.761%	-0.000	0.011	0.085	0.063
2	02:21:29	99.410%	0.339	0.310	98.685%	0.006	0.011	0.091	0.076
3	02:22:12	96.569%	0.319	0.332	96.359%	0.003	0.013	0.028	0.028
x		96.764%	0.326	0.312	96.268%	0.003	0.012	0.068	0.056
σ		2.554%	0.012	0.019	2.463%	0.003	0.001	0.035	0.025
%RSD		2.639	3.534	5.960	2.559	102.700	12.290	51.140	44.610
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:20:46	86.230%	0.448	0.100	0.091	0.017	0.020	89.338%	89.917%
2	02:21:29	91.001%	0.439	0.107	0.113	0.022	0.083	93.799%	94.475%
3	02:22:12	88.663%	0.518	0.123	0.142	0.068	0.062	91.744%	92.160%
x		88.631%	0.469	0.110	0.115	0.036	0.055	91.627%	92.184%
σ		2.386%	0.044	0.012	0.026	0.028	0.032	2.233%	2.279%
%RSD		2.692	9.289	10.760	22.530	79.260	57.730	2.437	2.472
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:20:46	-0.002	-0.005	0.027	0.011	0.019	98.841%		
2	02:21:29	-0.002	-0.003	0.034	0.028	0.026	105.184%		
3	02:22:12	0.000	0.001	0.039	0.031	0.033	102.651%		
x		-0.001	-0.002	0.033	0.023	0.026	102.226%		
σ		0.001	0.003	0.006	0.011	0.007	3.193%		
%RSD		99.860	137.700	18.640	47.000	25.930	3.123		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	69.380%	2.025	20.780	20.520	0.000	252.800	8204.000	8171.000
2	02:29:43	69.715%	1.781	21.050	20.010	0.000	252.000	8260.000	8070.000
3	02:30:26	70.577%	1.731	19.400	18.730	0.000	248.400	8092.000	7833.000
x		69.890%	1.845	20.410	19.750	0.000	251.100	8186.000	8025.000
σ		0.618%	0.157	0.885	0.919	0.000	2.348	85.650	173.700
%RSD		0.884	8.524	4.334	4.654	0.000	0.935	1.046	2.164

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	36240.000	11340.000	0.000	5825.000	1819.000	1790.000	67.991%	418.900
2	02:29:43	36010.000	11150.000	0.000	5811.000	1922.000	1768.000	67.572%	418.400
3	02:30:26	35430.000	10940.000	0.000	5769.000	1821.000	1764.000	67.570%	409.400
x		35890.000	11150.000	0.000	5802.000	1854.000	1774.000	67.711%	415.600
σ		416.700	200.300	0.000	29.120	59.230	14.050	0.243%	5.353
%RSD		1.161	1.797	0.000	0.502	3.195	0.792	0.358	1.288

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	66.600	79.870	2858.000	125500.000	125800.000	44.430	105.600	56.840
2	02:29:43	65.250	79.330	2897.000	126100.000	125800.000	44.000	105.600	56.060
3	02:30:26	65.180	78.700	2875.000	124700.000	124700.000	43.280	102.800	55.560
x		65.680	79.300	2877.000	125400.000	125500.000	43.900	104.600	56.160
σ		0.802	0.585	19.500	732.000	649.300	0.583	1.628	0.645
%RSD		1.221	0.738	0.678	0.584	0.517	1.327	1.556	1.149

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	57.130	231.500	233.400	37.410	0.764	1.880	0.000	15.710
2	02:29:43	56.530	229.300	233.600	37.630	0.916	1.778	0.000	15.760
3	02:30:26	57.350	230.000	231.500	37.550	0.785	1.593	0.000	15.460
x		57.010	230.300	232.800	37.530	0.822	1.750	0.000	15.640
σ		0.427	1.115	1.173	0.111	0.082	0.146	0.000	0.160
%RSD		0.749	0.484	0.504	0.295	10.030	8.330	0.000	1.025

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	0.000	6.723	6.719	61.075%	0.131	0.055	1.011	0.829
2	02:29:43	0.000	6.832	6.665	61.583%	0.150	0.058	1.068	0.818
3	02:30:26	0.000	6.493	6.480	61.955%	0.141	0.053	0.873	0.691
x		0.000	6.683	6.621	61.538%	0.141	0.056	0.984	0.779
σ		0.000	0.173	0.125	0.441%	0.009	0.003	0.100	0.077
%RSD		0.000	2.588	1.893	0.717	6.687	4.805	10.190	9.882

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	68.996%	5.043	0.578	0.586	163.100	162.200	74.617%	74.174%
2	02:29:43	70.250%	4.974	0.585	0.568	161.100	161.400	75.736%	76.302%
3	02:30:26	70.416%	5.014	0.552	0.568	159.200	160.800	77.630%	77.608%
x		69.887%	5.010	0.571	0.574	161.100	161.500	75.994%	76.028%
σ		0.776%	0.035	0.017	0.011	1.951	0.715	1.523%	1.734%
%RSD		1.111	0.700	3.047	1.835	1.211	0.443	2.005	2.280

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:00	0.599	0.575	61.280	60.070	60.450	70.713%
2	02:29:43	0.575	0.580	61.220	59.730	60.360	73.569%
3	02:30:26	0.578	0.562	60.480	59.370	59.950	75.686%
x		0.584	0.573	60.990	59.720	60.250	73.323%
σ		0.013	0.009	0.443	0.351	0.267	2.496%
%RSD		2.220	1.630	0.727	0.589	0.442	3.404

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	69.887%	2.916	23.190	22.790	0.000	285.800	12420.000	12340.000
2	02:37:56	70.670%	3.269	23.490	22.210	0.000	281.900	12200.000	12290.000
3	02:38:39	71.711%	2.795	21.620	22.520	0.000	272.700	11860.000	11800.000
x		70.756%	2.994	22.770	22.510	0.000	280.100	12160.000	12150.000
σ		0.915%	0.246	1.006	0.292	0.000	6.714	282.300	299.200
%RSD		1.293	8.220	4.418	1.296	0.000	2.397	2.322	2.463
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	51160.000	12600.000	0.000	7030.000	2924.000	2886.000	67.913%	624.400
2	02:37:56	50640.000	12470.000	0.000	7045.000	3018.000	2877.000	67.752%	622.400
3	02:38:39	48370.000	11880.000	0.000	6699.000	2927.000	2770.000	69.402%	590.400
x		50060.000	12320.000	0.000	6924.000	2956.000	2845.000	68.355%	612.400
σ		1480.000	385.800	0.000	195.500	53.020	64.910	0.910%	19.080
%RSD		2.958	3.132	0.000	2.823	1.793	2.282	1.331	3.115
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	99.910	119.800	2973.000	159300.000	159200.000	62.650	148.300	87.320
2	02:37:56	98.930	118.500	2965.000	158100.000	158800.000	62.270	145.700	86.760
3	02:38:39	93.960	112.800	2827.000	150800.000	150700.000	58.850	135.400	81.690
x		97.600	117.100	2921.000	156100.000	156200.000	61.260	143.200	85.260
σ		3.189	3.712	82.230	4605.000	4812.000	2.096	6.802	3.101
%RSD		3.268	3.172	2.815	2.951	3.080	3.422	4.752	3.637
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	86.690	339.000	341.700	57.490	1.318	2.178	0.000	23.630
2	02:37:56	86.540	334.700	339.800	55.650	1.142	1.624	0.000	23.480
3	02:38:39	80.900	322.900	327.300	53.580	1.128	1.931	0.000	22.470
x		84.710	332.200	336.300	55.570	1.196	1.911	0.000	23.190
σ		3.302	8.351	7.835	1.954	0.106	0.278	0.000	0.632
%RSD		3.898	2.514	2.330	3.516	8.859	14.530	0.000	2.726
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	0.000	8.102	8.391	59.967%	0.195	0.069	1.412	1.071
2	02:37:56	0.000	8.408	8.333	60.364%	0.194	0.072	1.458	1.059
3	02:38:39	0.000	7.689	7.896	61.748%	0.164	0.087	1.305	1.009
x		0.000	8.066	8.206	60.693%	0.184	0.076	1.392	1.046
σ		0.000	0.361	0.271	0.935%	0.018	0.010	0.079	0.033
%RSD		0.000	4.472	3.299	1.541	9.673	12.540	5.643	3.113
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:13	67.643%	3.543	0.644	0.610	220.300	221.200	73.587%	72.736%
2	02:37:56	68.422%	3.632	0.561	0.591	220.400	218.300	74.160%	73.898%
3	02:38:39	69.397%	3.348	0.571	0.518	213.700	212.300	75.902%	76.277%
x		68.487%	3.507	0.592	0.573	218.100	217.200	74.550%	74.304%
σ		0.879%	0.145	0.045	0.049	3.847	4.524	1.206%	1.805%
%RSD		1.283	4.140	7.647	8.509	1.764	2.082	1.617	2.429
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:37:13	0.788	0.789	81.950	79.970	80.620	65.468%		
2	02:37:56	0.814	0.804	82.010	79.820	80.730	66.544%		
3	02:38:39	0.769	0.775	78.120	76.650	77.290	69.850%		
x		0.790	0.789	80.690	78.810	79.550	67.288%		
σ		0.022	0.015	2.232	1.872	1.954	2.284%		
%RSD		2.828	1.852	2.766	2.375	2.457	3.394		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	69.788%	3.207	24.580	24.070	0.000	282.300	17360.000	17280.000
2	02:46:10	70.103%	3.266	25.210	24.530	0.000	283.200	17540.000	17510.000
3	02:46:53	69.724%	3.293	25.630	24.870	0.000	285.200	17480.000	17370.000
x		69.871%	3.255	25.140	24.490	0.000	283.600	17460.000	17380.000
σ		0.203%	0.044	0.531	0.403	0.000	1.471	92.450	117.400
%RSD		0.290	1.364	2.114	1.645	0.000	0.519	0.530	0.675

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	79660.000	15110.000	0.000	7629.000	3376.000	3266.000	68.825%	899.800
2	02:46:10	79850.000	15160.000	0.000	7728.000	3410.000	3287.000	68.590%	915.000
3	02:46:53	79600.000	15020.000	0.000	7662.000	3416.000	3271.000	68.938%	902.000
x		79700.000	15090.000	0.000	7673.000	3401.000	3275.000	68.784%	905.600
σ		127.800	69.920	0.000	50.520	21.640	10.850	0.178%	8.189
%RSD		0.160	0.463	0.000	0.658	0.636	0.331	0.258	0.904

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	134.800	121.600	2814.000	179800.000	179200.000	64.610	152.300	111.700
2	02:46:10	135.200	121.900	2857.000	180900.000	181300.000	65.230	153.200	112.700
3	02:46:53	133.900	121.600	2836.000	178900.000	179700.000	64.020	149.800	110.400
x		134.600	121.700	2836.000	179900.000	180100.000	64.620	151.800	111.600
σ		0.681	0.189	21.910	979.800	1097.000	0.605	1.739	1.161
%RSD		0.506	0.155	0.773	0.545	0.609	0.936	1.146	1.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	112.900	352.200	358.700	69.420	1.621	2.574	0.000	30.350
2	02:46:10	112.700	354.300	359.600	69.370	1.562	3.041	0.000	30.780
3	02:46:53	114.700	356.500	359.900	69.900	1.802	2.929	0.000	30.810
x		113.400	354.300	359.400	69.560	1.662	2.848	0.000	30.640
σ		1.086	2.178	0.623	0.293	0.125	0.244	0.000	0.259
%RSD		0.957	0.615	0.173	0.421	7.512	8.557	0.000	0.846

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	0.000	10.060	10.080	61.503%	0.204	0.102	1.232	1.029
2	02:46:10	0.000	10.140	10.390	61.603%	0.186	0.093	1.197	0.990
3	02:46:53	0.000	10.510	10.080	61.112%	0.190	0.097	1.322	1.043
x		0.000	10.230	10.190	61.406%	0.193	0.097	1.250	1.021
σ		0.000	0.240	0.181	0.260%	0.009	0.004	0.064	0.027
%RSD		0.000	2.341	1.775	0.423	4.862	4.294	5.146	2.672

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	69.323%	2.605	0.458	0.472	306.800	305.100	76.504%	76.909%
2	02:46:10	69.545%	2.792	0.462	0.419	310.200	310.400	77.042%	77.087%
3	02:46:53	70.108%	2.755	0.457	0.462	304.200	305.700	77.116%	77.630%
x		69.659%	2.717	0.459	0.451	307.100	307.100	76.888%	77.209%
σ		0.404%	0.099	0.003	0.028	3.043	2.928	0.334%	0.376%
%RSD		0.580	3.627	0.642	6.292	0.991	0.954	0.435	0.487

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:27	1.077	1.091	92.220	89.740	90.690	77.757%
2	02:46:10	1.088	1.098	93.810	92.090	92.770	77.732%
3	02:46:53	1.058	1.110	94.770	92.260	92.770	77.695%
x		1.075	1.100	93.600	91.360	92.080	77.728%
σ		0.015	0.010	1.288	1.407	1.200	0.031%
%RSD		1.415	0.893	1.376	1.540	1.303	0.040

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	68.368%	3.899	26.940	26.200	0.000	322.900	17420.000	17160.000
2	02:54:22	70.183%	3.779	25.430	26.200	0.000	312.800	16710.000	16660.000
3	02:55:05	68.431%	4.335	25.820	26.430	0.000	324.000	17340.000	17180.000
x		68.994%	4.004	26.060	26.280	0.000	319.900	17160.000	17000.000
σ		1.030%	0.293	0.779	0.135	0.000	6.145	389.600	293.600
%RSD		1.493	7.310	2.990	0.514	0.000	1.921	2.271	1.727

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	79680.000	15000.000	0.000	8463.000	8303.000	8168.000	68.099%	917.300
2	02:54:22	76780.000	14300.000	0.000	8313.000	8403.000	7895.000	68.668%	895.100
3	02:55:05	79410.000	14690.000	0.000	8469.000	8523.000	8158.000	67.495%	908.100
x		78620.000	14660.000	0.000	8415.000	8410.000	8073.000	68.087%	906.800
σ		1605.000	348.400	0.000	88.400	110.600	154.500	0.587%	11.130
%RSD		2.041	2.376	0.000	1.051	1.315	1.914	0.862	1.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	138.100	131.400	3649.000	191400.000	192300.000	76.890	157.600	100.800
2	02:54:22	136.000	126.500	3564.000	187000.000	188800.000	74.430	153.700	98.780
3	02:55:05	140.200	131.500	3679.000	191600.000	192800.000	77.460	156.100	101.300
x		138.100	129.800	3631.000	190000.000	191300.000	76.260	155.800	100.300
σ		2.115	2.880	59.350	2572.000	2174.000	1.610	1.993	1.321
%RSD		1.532	2.219	1.635	1.354	1.137	2.111	1.279	1.317

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	101.900	596.800	606.200	72.500	1.561	1.718	0.000	46.450
2	02:54:22	99.390	580.300	590.100	70.370	1.795	2.524	0.000	45.420
3	02:55:05	102.300	597.100	604.600	72.190	1.673	2.315	0.000	46.990
x		101.200	591.400	600.300	71.690	1.676	2.186	0.000	46.290
σ		1.592	9.610	8.889	1.149	0.117	0.418	0.000	0.797
%RSD		1.573	1.625	1.481	1.603	6.962	19.150	0.000	1.722

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	0.000	7.639	7.768	59.755%	0.215	0.099	1.386	1.150
2	02:54:22	0.000	7.501	7.527	60.734%	0.166	0.102	1.452	1.200
3	02:55:05	0.000	7.787	7.790	60.114%	0.186	0.097	1.395	1.259
x		0.000	7.642	7.695	60.201%	0.189	0.099	1.411	1.203
σ		0.000	0.143	0.146	0.495%	0.024	0.003	0.035	0.054
%RSD		0.000	1.872	1.897	0.823	12.920	2.524	2.505	4.513

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	68.299%	2.837	0.316	0.369	359.700	359.200	75.127%	74.323%
2	02:54:22	69.994%	2.729	0.332	0.317	346.800	345.900	77.624%	77.436%
3	02:55:05	69.303%	2.780	0.314	0.361	358.400	356.400	77.254%	76.777%
x		69.198%	2.782	0.321	0.349	355.000	353.800	76.668%	76.178%
σ		0.853%	0.054	0.010	0.028	7.129	7.038	1.347%	1.640%
%RSD		1.232	1.940	3.192	8.036	2.008	1.989	1.758	2.153

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:53:39	1.100	1.077	88.070	86.380	86.980	70.644%
2	02:54:22	1.029	1.043	85.750	84.010	84.460	74.881%
3	02:55:05	1.067	1.078	88.770	86.760	87.540	74.994%
x		1.065	1.066	87.530	85.720	86.330	73.506%
σ		0.035	0.020	1.582	1.494	1.638	2.480%
%RSD		3.327	1.880	1.807	1.743	1.897	3.374

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	65.154%	8.051	35.950	36.690	0.000	589.600	39970.000	39870.000
2	03:02:33	67.811%	7.176	33.620	33.370	0.000	550.600	37390.000	37120.000
3	03:03:16	65.451%	8.013	37.350	36.220	0.000	587.500	39790.000	39790.000
x		66.138%	7.747	35.640	35.430	0.000	575.900	39050.000	38930.000
σ		1.456%	0.495	1.881	1.796	0.000	21.920	1443.000	1565.000
%RSD		2.201	6.387	5.279	5.070	0.000	3.806	3.696	4.021
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	140700.000	15840.000	0.000	12870.000	4504.000	4484.000	66.967%	1202.000
2	03:02:33	129600.000	14570.000	0.000	12080.000	4524.000	4212.000	68.372%	1134.000
3	03:03:16	137900.000	15610.000	0.000	12970.000	4787.000	4501.000	65.978%	1204.000
x		136100.000	15340.000	0.000	12640.000	4605.000	4399.000	67.106%	1180.000
σ		5776.000	680.800	0.000	491.600	157.800	162.300	1.203%	39.740
%RSD		4.245	4.438	0.000	3.889	3.427	3.688	1.793	3.368
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	202.800	197.100	2933.000	319300.000	323700.000	152.300	342.500	235.300
2	03:02:33	188.200	183.600	2759.000	297300.000	300300.000	140.000	319.400	218.800
3	03:03:16	203.600	197.200	2968.000	320100.000	324600.000	149.700	343.100	232.400
x		198.200	192.600	2887.000	312200.000	316200.000	147.300	335.000	228.800
σ		8.675	7.852	112.200	12920.000	13800.000	6.500	13.520	8.848
%RSD		4.377	4.076	3.885	4.137	4.363	4.412	4.035	3.867
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	236.400	646.300	654.800	147.500	1.772	4.223	0.000	60.740
2	03:02:33	221.900	613.600	620.200	138.600	1.958	2.828	0.000	57.530
3	03:03:16	237.500	655.100	663.400	148.400	1.958	3.475	0.000	62.290
x		231.900	638.300	646.100	144.800	1.896	3.509	0.000	60.190
σ		8.673	21.890	22.870	5.419	0.107	0.698	0.000	2.431
%RSD		3.739	3.429	3.540	3.742	5.660	19.890	0.000	4.039
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	0.000	11.660	11.550	56.966%	0.214	0.114	2.073	1.681
2	03:02:33	0.000	10.970	11.150	58.864%	0.206	0.112	1.769	1.434
3	03:03:16	0.000	11.800	11.870	56.673%	0.171	0.116	2.090	1.615
x		0.000	11.480	11.520	57.501%	0.197	0.114	1.977	1.576
σ		0.000	0.444	0.363	1.190%	0.023	0.002	0.181	0.128
%RSD		0.000	3.867	3.149	2.069	11.470	1.653	9.133	8.113
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:01:50	65.268%	2.353	0.414	0.409	747.100	741.600	75.388%	73.786%
2	03:02:33	67.754%	2.206	0.400	0.353	715.600	704.400	78.146%	77.792%
3	03:03:16	65.234%	2.303	0.389	0.380	757.000	756.300	76.828%	75.918%
x		66.085%	2.287	0.401	0.381	739.900	734.100	76.787%	75.832%
σ		1.445%	0.075	0.013	0.028	21.600	26.780	1.380%	2.004%
%RSD		2.187	3.284	3.142	7.375	2.919	3.648	1.797	2.643
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:01:50	1.673	1.674	143.100	141.600	142.200	63.358%		
2	03:02:33	1.649	1.604	136.800	135.000	135.700	66.416%		
3	03:03:16	1.729	1.741	146.300	145.000	145.400	64.935%		
x		1.684	1.673	142.100	140.500	141.100	64.903%		
σ		0.041	0.069	4.814	5.077	4.953	1.529%		
%RSD		2.425	4.114	3.388	3.613	3.511	2.356		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	67.884%	5.725	27.750	28.210	0.000	351.900	20280.000	20250.000
2	03:10:44	68.112%	5.577	27.910	28.500	0.000	357.100	20550.000	20390.000
3	03:11:27	68.619%	5.460	28.210	28.290	0.000	353.200	20520.000	20320.000
x		68.205%	5.587	27.950	28.330	0.000	354.100	20450.000	20320.000
σ		0.376%	0.133	0.233	0.151	0.000	2.698	147.200	71.890
%RSD		0.552	2.377	0.833	0.533	0.000	0.762	0.720	0.354
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	85900.000	15230.000	0.000	10300.000	8622.000	8121.000	69.494%	866.300
2	03:10:44	85900.000	15240.000	0.000	10370.000	8577.000	8231.000	68.523%	872.700
3	03:11:27	86300.000	15200.000	0.000	10460.000	8684.000	8289.000	67.491%	879.300
x		86030.000	15220.000	0.000	10370.000	8628.000	8214.000	68.503%	872.800
σ		232.900	18.130	0.000	80.210	54.110	85.500	1.002%	6.517
%RSD		0.271	0.119	0.000	0.773	0.627	1.041	1.462	0.747
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	149.100	165.700	3022.000	209600.000	209600.000	94.880	243.200	143.600
2	03:10:44	151.300	169.100	3085.000	214100.000	216100.000	97.250	246.700	145.100
3	03:11:27	151.200	170.500	3118.000	215300.000	216800.000	97.390	248.200	146.100
x		150.500	168.400	3075.000	213000.000	214200.000	96.510	246.000	144.900
σ		1.260	2.446	49.150	2997.000	3950.000	1.414	2.558	1.280
%RSD		0.837	1.452	1.599	1.407	1.845	1.465	1.040	0.883
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	144.200	499.600	507.400	160.400	1.824	3.493	0.000	60.420
2	03:10:44	147.900	507.600	516.200	163.500	1.719	2.454	0.000	61.700
3	03:11:27	146.500	508.200	518.100	166.200	1.530	2.524	0.000	61.840
x		146.200	505.100	513.900	163.400	1.691	2.823	0.000	61.320
σ		1.871	4.796	5.730	2.882	0.149	0.581	0.000	0.782
%RSD		1.279	0.950	1.115	1.764	8.793	20.570	0.000	1.275
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	0.000	7.339	7.422	60.639%	0.282	0.148	1.529	1.160
2	03:10:44	0.000	7.530	7.593	60.330%	0.230	0.144	1.722	1.381
3	03:11:27	0.000	7.652	7.781	59.422%	0.264	0.127	1.517	1.174
x		0.000	7.507	7.599	60.130%	0.259	0.140	1.589	1.238
σ		0.000	0.158	0.179	0.632%	0.027	0.011	0.115	0.124
%RSD		0.000	2.099	2.362	1.052	10.390	7.884	7.246	9.988
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:01	69.555%	2.095	0.366	0.412	392.500	386.800	77.931%	77.897%
2	03:10:44	69.107%	2.280	0.410	0.363	396.300	396.600	77.400%	77.383%
3	03:11:27	68.371%	2.218	0.319	0.358	397.000	396.000	76.937%	76.180%
x		69.011%	2.198	0.365	0.378	395.200	393.100	77.423%	77.153%
σ		0.597%	0.094	0.046	0.030	2.405	5.521	0.497%	0.881%
%RSD		0.866	4.277	12.500	7.955	0.609	1.404	0.642	1.142
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:10:01	1.161	1.109	102.200	100.400	101.300	77.344%		
2	03:10:44	1.242	1.208	105.000	103.700	103.900	76.508%		
3	03:11:27	1.205	1.217	105.200	103.400	104.200	73.694%		
x		1.203	1.178	104.100	102.500	103.200	75.849%		
σ		0.041	0.060	1.670	1.813	1.611	1.912%		
%RSD		3.370	5.084	1.603	1.769	1.561	2.521		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	67.692%	5.425	27.400	26.710	0.000	352.500	22240.000	22080.000
2	03:18:55	65.852%	5.150	29.080	28.670	0.000	370.100	23240.000	23010.000
3	03:19:38	69.717%	4.894	26.120	25.330	0.000	331.900	20950.000	20790.000
x		67.754%	5.156	27.540	26.900	0.000	351.500	22140.000	21960.000
σ		1.933%	0.266	1.485	1.679	0.000	19.090	1148.000	1116.000
%RSD		2.853	5.152	5.392	6.241	0.000	5.430	5.185	5.083
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	86020.000	15850.000	0.000	8842.000	5299.000	5025.000	68.226%	856.000
2	03:18:55	89800.000	16380.000	0.000	9184.000	5589.000	5286.000	66.249%	889.200
3	03:19:38	80560.000	14800.000	0.000	8407.000	5056.000	4855.000	69.030%	820.900
x		85460.000	15680.000	0.000	8811.000	5315.000	5055.000	67.835%	855.400
σ		4644.000	803.800	0.000	389.300	267.200	217.100	1.431%	34.170
%RSD		5.435	5.127	0.000	4.418	5.027	4.294	2.109	3.995
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	137.500	131.100	2665.000	212500.000	213400.000	100.100	209.300	170.500
2	03:18:55	144.800	138.300	2796.000	222000.000	223100.000	104.500	216.000	176.300
3	03:19:38	130.500	124.900	2520.000	199200.000	200900.000	93.040	191.700	156.100
x		137.600	131.400	2660.000	211200.000	212500.000	99.220	205.700	167.600
σ		7.151	6.706	138.000	11430.000	11150.000	5.775	12.590	10.370
%RSD		5.196	5.103	5.188	5.412	5.247	5.821	6.120	6.185
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	171.300	650.900	662.600	132.400	1.459	3.337	0.000	42.360
2	03:18:55	178.300	680.400	688.200	137.000	1.631	3.884	0.000	45.060
3	03:19:38	158.000	604.100	611.700	119.600	1.184	2.140	0.000	38.900
x		169.200	645.100	654.200	129.700	1.425	3.120	0.000	42.110
σ		10.280	38.500	38.920	9.039	0.225	0.892	0.000	3.084
%RSD		6.073	5.968	5.949	6.970	15.800	28.590	0.000	7.325
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	0.000	11.050	11.170	60.049%	0.238	0.141	1.410	1.092
2	03:18:55	0.000	11.400	11.790	58.505%	0.182	0.120	1.521	1.150
3	03:19:38	0.000	9.924	10.150	66.039%	0.169	0.117	1.263	0.998
x		0.000	10.790	11.040	61.531%	0.196	0.126	1.398	1.080
σ		0.000	0.771	0.829	3.980%	0.037	0.013	0.129	0.077
%RSD		0.000	7.148	7.512	6.468	18.760	10.330	9.254	7.121
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:12	68.387%	2.779	0.513	0.492	520.000	520.100	79.313%	79.234%
2	03:18:55	67.032%	2.865	0.506	0.505	548.900	540.500	79.127%	78.622%
3	03:19:38	70.406%	2.665	0.480	0.499	500.400	498.600	82.705%	82.719%
x		68.608%	2.769	0.500	0.499	523.100	519.700	80.382%	80.192%
σ		1.698%	0.100	0.018	0.006	24.380	20.970	2.014%	2.210%
%RSD		2.475	3.624	3.520	1.300	4.661	4.035	2.505	2.756
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:18:12	1.325	1.293	127.900	126.200	127.200	73.636%		
2	03:18:55	1.378	1.346	135.100	134.100	134.200	73.224%		
3	03:19:38	1.255	1.247	123.100	121.000	122.300	78.338%		
x		1.319	1.296	128.700	127.100	127.900	75.066%		
σ		0.061	0.049	6.043	6.604	5.999	2.841%		
%RSD		4.654	3.807	4.695	5.196	4.691	3.785		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	67.060%	7.682	30.820	31.450	0.000	627.300	29830.000	29750.000
2	03:27:06	67.416%	7.366	31.550	32.150	0.000	618.000	29260.000	29120.000
3	03:27:49	66.521%	7.703	32.440	31.900	0.000	632.100	29690.000	29470.000
x		66.999%	7.584	31.600	31.830	0.000	625.800	29590.000	29450.000
σ		0.451%	0.189	0.808	0.356	0.000	7.154	294.900	316.000
%RSD		0.673	2.493	2.555	1.117	0.000	1.143	0.997	1.073

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	100800.000	15450.000	0.000	11560.000	4617.000	4335.000	67.722%	1055.000
2	03:27:06	98670.000	14970.000	0.000	11410.000	4530.000	4280.000	67.465%	1040.000
3	03:27:49	98870.000	15060.000	0.000	11510.000	4416.000	4357.000	66.762%	1037.000
x		99450.000	15160.000	0.000	11500.000	4521.000	4324.000	67.316%	1044.000
σ		1179.000	254.400	0.000	77.600	100.600	40.040	0.497%	9.564
%RSD		1.186	1.678	0.000	0.675	2.224	0.926	0.739	0.916

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	165.600	197.900	4513.000	266100.000	267700.000	141.200	351.900	210.400
2	03:27:06	164.200	195.400	4480.000	263000.000	267400.000	139.300	344.600	208.800
3	03:27:49	163.900	195.900	4528.000	265800.000	268700.000	140.500	342.600	208.700
x		164.600	196.400	4507.000	265000.000	267900.000	140.300	346.400	209.300
σ		0.924	1.323	24.840	1686.000	640.700	0.981	4.864	0.953
%RSD		0.561	0.673	0.551	0.636	0.239	0.699	1.404	0.455

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	212.700	673.900	679.500	157.500	1.926	3.466	0.000	70.840
2	03:27:06	210.300	671.100	678.800	156.400	1.555	3.086	0.000	70.370
3	03:27:49	211.800	678.500	689.900	159.100	2.012	2.939	0.000	72.060
x		211.600	674.500	682.700	157.700	1.831	3.164	0.000	71.090
σ		1.214	3.698	6.228	1.376	0.243	0.272	0.000	0.874
%RSD		0.574	0.548	0.912	0.873	13.260	8.600	0.000	1.229

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	0.000	8.177	7.896	58.509%	0.273	0.164	2.248	1.717
2	03:27:06	0.000	8.107	8.091	58.450%	0.279	0.205	1.852	1.489
3	03:27:49	0.000	8.272	8.171	57.673%	0.305	0.190	1.953	1.645
x		0.000	8.185	8.052	58.211%	0.286	0.186	2.018	1.617
σ		0.000	0.083	0.142	0.466%	0.017	0.021	0.205	0.117
%RSD		0.000	1.011	1.758	0.801	5.997	11.290	10.190	7.203

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	66.167%	2.273	0.437	0.419	625.000	625.100	77.013%	75.745%
2	03:27:06	66.863%	2.340	0.414	0.390	618.400	612.400	78.442%	77.530%
3	03:27:49	66.856%	2.306	0.396	0.410	624.700	624.200	78.896%	78.224%
x		66.628%	2.306	0.416	0.406	622.700	620.600	78.117%	77.166%
σ		0.399%	0.033	0.021	0.015	3.756	7.103	0.982%	1.279%
%RSD		0.600	1.446	4.951	3.729	0.603	1.145	1.258	1.657

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:23	1.533	1.497	133.700	131.700	132.500	66.759%
2	03:27:06	1.493	1.535	131.700	129.900	130.900	69.920%
3	03:27:49	1.637	1.534	133.200	132.400	132.800	71.429%
x		1.554	1.522	132.800	131.400	132.100	69.369%
σ		0.075	0.021	1.048	1.289	1.047	2.383%
%RSD		4.801	1.410	0.789	0.982	0.793	3.435

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	66.391%	6.362	28.750	27.890	0.000	562.900	31890.000	31710.000
2	03:35:18	67.345%	6.027	28.360	27.650	0.000	550.900	30870.000	30820.000
3	03:36:01	66.740%	6.499	29.260	28.600	0.000	546.900	31560.000	31350.000
x		66.825%	6.296	28.790	28.050	0.000	553.600	31440.000	31290.000
σ		0.483%	0.243	0.451	0.496	0.000	8.309	524.200	447.300
%RSD		0.722	3.853	1.568	1.767	0.000	1.501	1.667	1.430

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	157400.000	18450.000	0.000	10950.000	6074.000	5765.000	68.538%	1352.000
2	03:35:18	151900.000	17890.000	0.000	10660.000	5940.000	5643.000	68.787%	1328.000
3	03:36:01	156300.000	18220.000	0.000	10790.000	6091.000	5760.000	67.128%	1350.000
x		155200.000	18190.000	0.000	10800.000	6035.000	5722.000	68.151%	1343.000
σ		2909.000	284.100	0.000	142.800	82.580	69.150	0.895%	13.410
%RSD		1.875	1.562	0.000	1.322	1.368	1.208	1.313	0.998

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	253.900	202.800	2126.000	299300.000	300800.000	87.460	232.600	196.300
2	03:35:18	248.700	198.900	2087.000	290500.000	294000.000	85.410	226.000	191.400
3	03:36:01	254.600	201.900	2128.000	297700.000	299800.000	86.000	229.300	195.400
x		252.400	201.200	2114.000	295800.000	298200.000	86.290	229.300	194.400
σ		3.205	2.045	22.930	4682.000	3674.000	1.053	3.291	2.595
%RSD		1.270	1.016	1.085	1.583	1.232	1.221	1.435	1.335

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	199.600	514.100	517.100	113.000	2.855	4.170	0.000	71.000
2	03:35:18	194.300	504.100	517.300	112.400	2.971	5.017	0.000	70.760
3	03:36:01	197.900	515.500	522.800	112.400	2.943	4.893	0.000	72.220
x		197.300	511.200	519.000	112.600	2.923	4.693	0.000	71.330
σ		2.703	6.175	3.231	0.387	0.060	0.458	0.000	0.782
%RSD		1.370	1.208	0.623	0.344	2.056	9.750	0.000	1.097

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	0.000	11.040	11.310	58.664%	0.352	0.224	1.310	1.023
2	03:35:18	0.000	11.330	10.950	58.041%	0.323	0.236	1.437	1.092
3	03:36:01	0.000	11.050	11.900	56.671%	0.358	0.254	1.625	1.166
x		0.000	11.140	11.380	57.792%	0.344	0.238	1.457	1.094
σ		0.000	0.167	0.479	1.019%	0.019	0.015	0.159	0.072
%RSD		0.000	1.497	4.206	1.764	5.511	6.428	10.890	6.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	66.962%	1.716	0.316	0.289	857.100	851.500	77.290%	76.864%
2	03:35:18	67.187%	1.739	0.347	0.382	840.300	833.900	77.474%	76.540%
3	03:36:01	65.694%	1.807	0.328	0.343	857.700	849.000	74.879%	74.525%
x		66.614%	1.754	0.330	0.338	851.700	844.800	76.548%	75.976%
σ		0.805%	0.047	0.016	0.047	9.834	9.520	1.448%	1.268%
%RSD		1.208	2.677	4.786	13.810	1.155	1.127	1.891	1.668

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:35	1.964	1.886	145.200	144.200	144.400	73.738%
2	03:35:18	1.857	1.902	144.500	141.200	142.600	72.306%
3	03:36:01	1.947	1.880	147.500	145.700	146.200	66.386%
x		1.923	1.889	145.700	143.700	144.400	70.810%
σ		0.058	0.012	1.575	2.286	1.772	3.898%
%RSD		2.992	0.613	1.081	1.591	1.227	5.505

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	66.368%	7.198	26.650	28.210	0.000	473.600	25220.000	24990.000
2	03:43:30	67.381%	6.940	26.850	26.680	0.000	467.700	24630.000	24480.000
3	03:44:13	67.292%	6.791	28.080	27.220	0.000	472.500	25000.000	24780.000
x		67.014%	6.976	27.190	27.370	0.000	471.300	24950.000	24750.000
σ		0.561%	0.206	0.773	0.777	0.000	3.171	294.400	258.400
%RSD		0.837	2.950	2.843	2.839	0.000	0.673	1.180	1.044

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	75880.000	15790.000	0.000	9438.000	4893.000	4708.000	68.667%	801.500
2	03:43:30	74690.000	15450.000	0.000	9417.000	4726.000	4723.000	68.031%	797.100
3	03:44:13	75140.000	15350.000	0.000	9391.000	4944.000	4666.000	67.425%	807.800
x		75240.000	15530.000	0.000	9416.000	4854.000	4699.000	68.041%	802.200
σ		596.700	228.800	0.000	23.590	114.100	29.480	0.621%	5.384
%RSD		0.793	1.473	0.000	0.251	2.351	0.627	0.913	0.671

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	135.800	175.100	7976.000	345500.000	352200.000	114.100	332.600	165.700
2	03:43:30	132.800	174.900	7905.000	343900.000	348500.000	111.400	325.200	162.200
3	03:44:13	134.000	174.700	7949.000	345800.000	349600.000	112.300	328.700	163.700
x		134.200	174.900	7943.000	345100.000	350100.000	112.600	328.800	163.900
σ		1.516	0.214	35.690	997.300	1887.000	1.367	3.728	1.771
%RSD		1.130	0.122	0.449	0.289	0.539	1.213	1.134	1.081

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	166.800	510.400	514.400	80.550	1.093	2.548	0.000	61.120
2	03:43:30	164.600	508.800	513.500	78.590	0.983	2.521	0.000	60.850
3	03:44:13	169.000	510.200	519.500	80.920	1.303	2.365	0.000	61.180
x		166.800	509.800	515.800	80.020	1.126	2.478	0.000	61.050
σ		2.237	0.870	3.263	1.252	0.163	0.099	0.000	0.175
%RSD		1.341	0.171	0.633	1.564	14.450	4.001	0.000	0.287

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	0.000	8.500	8.755	59.639%	0.265	0.151	1.953	1.554
2	03:43:30	0.000	8.511	8.634	59.412%	0.227	0.120	2.020	1.496
3	03:44:13	0.000	8.784	8.798	59.552%	0.246	0.120	1.982	1.538
x		0.000	8.598	8.729	59.534%	0.246	0.131	1.985	1.529
σ		0.000	0.161	0.085	0.114%	0.019	0.018	0.034	0.030
%RSD		0.000	1.869	0.973	0.192	7.654	13.800	1.711	1.987

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	68.814%	1.997	0.391	0.409	663.800	662.600	80.280%	79.167%
2	03:43:30	69.017%	2.089	0.449	0.346	662.900	656.500	81.634%	80.825%
3	03:44:13	68.315%	2.022	0.387	0.455	668.500	663.900	80.672%	81.047%
x		68.715%	2.036	0.409	0.404	665.100	661.000	80.862%	80.346%
σ		0.361%	0.047	0.035	0.055	2.998	3.915	0.697%	1.028%
%RSD		0.525	2.324	8.450	13.590	0.451	0.592	0.862	1.279

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:48	1.172	1.216	118.200	117.300	117.900	75.057%
2	03:43:30	1.200	1.153	117.300	115.700	116.400	77.374%
3	03:44:13	1.222	1.198	120.200	118.500	119.500	75.945%
x		1.198	1.189	118.600	117.200	117.900	76.125%
σ		0.025	0.033	1.532	1.404	1.541	1.169%
%RSD		2.078	2.736	1.292	1.199	1.307	1.536

CCV 781130 4/29/2013 3:50:17 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	70.856%	104.600	105.900	103.200	0.000	50870.000	50590.000	50430.000
2	03:51:43	70.534%	104.100	103.400	102.400	0.000	50050.000	49960.000	49970.000
3	03:52:26	70.531%	104.100	104.800	103.100	0.000	50100.000	49920.000	49580.000
x		70.640%	104.232%	104.713%	102.895%	0.000	100.680%	100.310%	99.994%
σ		0.187%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.265	0.273	1.184	0.397	0.000	0.914	0.744	0.849
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	506.900	5297.000	0.000	50120.000	48810.000	49930.000	67.084%	100.800
2	03:51:43	502.500	5196.000	0.000	49890.000	48700.000	49660.000	65.994%	99.950
3	03:52:26	496.500	5135.000	0.000	49440.000	48570.000	49610.000	65.547%	100.800
x		100.397%	104.182%	0.000	99.636%	97.386%	99.464%	66.208%	100.528%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.791%	n/a
%RSD		1.039	1.566	0.000	0.698	0.253	0.340	1.194	0.501
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	98.910	100.900	468.300	25500.000	23940.000	102.700	106.000	105.800
2	03:51:43	100.500	101.200	470.100	25410.000	23860.000	101.900	104.400	103.500
3	03:52:26	99.320	100.300	472.200	25470.000	24010.000	100.900	104.000	104.700
x		99.579%	100.823%	94.047%	101.846%	95.745%	101.839%	104.802%	104.674%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.838	0.427	0.417	0.179	0.313	0.928	1.022	1.085
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	105.300	100.700	99.740	103.700	103.600	103.600	0.000	98.060
2	03:51:43	103.800	99.030	101.100	102.600	102.000	102.800	0.000	97.690
3	03:52:26	103.800	99.580	100.700	101.100	103.300	102.600	0.000	97.700
x		104.287%	99.774%	100.530%	102.469%	102.964%	103.001%	0.000	97.816%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.838	0.863	0.717	1.302	0.826	0.488	0.000	0.214
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	67.698%	103.900	105.900	61.509%	102.800	103.400	100.900	101.500
2	03:51:43	67.603%	104.800	108.000	61.238%	102.000	103.000	100.000	100.500
3	03:52:26	67.089%	106.700	108.700	60.447%	101.700	102.000	101.200	100.300
x		67.463%	105.130%	107.555%	61.065%	102.162%	102.776%	100.724%	100.769%
σ		0.327%	n/a	n/a	0.552%	n/a	n/a	n/a	n/a
%RSD		0.485	1.356	1.354	0.903	0.575	0.689	0.623	0.679
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:00	67.485%	98.780	98.680	98.120	101.000	99.910	72.568%	73.400%
2	03:51:43	68.018%	98.540	96.930	97.640	99.730	98.320	73.117%	74.083%
3	03:52:26	68.358%	97.660	96.720	98.300	96.430	98.530	73.844%	74.182%
x		67.954%	98.326%	97.446%	98.020%	99.042%	98.921%	73.176%	73.888%
σ		0.440%	n/a	n/a	n/a	n/a	n/a	0.641%	0.426%
%RSD		0.648	0.601	1.105	0.347	2.368	0.873	0.875	0.576
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:51:00	98.630	96.760	97.290	97.000	97.300	69.543%		
2	03:51:43	97.270	96.330	96.600	96.640	96.260	71.145%		
3	03:52:26	97.030	96.670	95.710	96.220	96.350	71.595%		
x		97.647%	96.583%	96.532%	96.620%	96.638%	70.761%		
σ		n/a	n/a	n/a	n/a	n/a	1.079%		
%RSD		0.885	0.233	0.825	0.407	0.599	1.525		

CCB4 4/29/2013 3:58:32 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	107.123%	0.012	0.899	0.832	0.000	3.232	4.878	5.085
2	03:59:57	106.419%	-0.008	0.891	0.922	0.000	6.525	6.019	6.502
3	04:00:40	109.220%	0.004	0.918	0.765	0.000	6.927	6.939	6.764
x		107.587%	0.003	0.903	0.840	0.000	5.561	5.945	6.117
σ		1.457%	0.010	0.014	0.079	0.000	2.027	1.033	0.904
%RSD		1.355	352.000	1.512	9.407	0.000	36.450	17.370	14.770
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	1.882	1.293	0.000	-4.367	5.172	3.863	99.956%	-0.078
2	03:59:57	2.406	3.994	0.000	-0.311	3.681	5.855	97.019%	-0.030
3	04:00:40	2.592	0.158	0.000	-1.636	6.003	5.772	99.665%	-0.097
x		2.293	1.815	0.000	-2.105	4.952	5.163	98.880%	-0.068
σ		0.368	1.970	0.000	2.068	1.177	1.127	1.618%	0.035
%RSD		16.050	108.600	0.000	98.270	23.760	21.830	1.636	50.760
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	0.018	-0.005	0.302	5.140	6.827	0.005	0.007	0.054
2	03:59:57	0.026	0.008	0.373	7.983	9.091	0.014	0.030	0.072
3	04:00:40	0.028	0.017	0.388	8.733	9.226	0.017	0.014	0.071
x		0.024	0.007	0.354	7.285	8.381	0.012	0.017	0.066
σ		0.005	0.011	0.046	1.895	1.348	0.006	0.012	0.010
%RSD		21.390	171.600	13.040	26.010	16.080	49.740	68.890	15.870
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	0.069	0.186	0.173	-0.217	-0.080	-0.714	0.000	0.026
2	03:59:57	0.084	0.194	0.229	-0.014	0.216	-0.104	0.000	0.035
3	04:00:40	0.087	0.277	0.204	-0.023	0.081	-0.026	0.000	0.039
x		0.080	0.219	0.202	-0.085	0.073	-0.281	0.000	0.033
σ		0.010	0.050	0.028	0.115	0.148	0.377	0.000	0.006
%RSD		12.350	22.830	13.710	135.600	204.000	134.000	0.000	19.040
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	90.964%	0.272	0.250	100.625%	-0.004	0.003	0.068	0.061
2	03:59:57	89.732%	0.275	0.267	98.031%	0.008	0.006	0.074	0.068
3	04:00:40	91.562%	0.207	0.236	100.990%	0.005	0.004	0.083	0.075
x		90.753%	0.251	0.251	99.882%	0.003	0.004	0.075	0.068
σ		0.933%	0.038	0.016	1.613%	0.006	0.001	0.008	0.007
%RSD		1.028	15.330	6.221	1.615	230.000	28.610	10.270	10.310
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:14	88.416%	0.140	0.026	0.029	0.036	0.043	90.844%	91.742%
2	03:59:57	86.589%	0.170	0.037	0.061	0.029	0.070	89.896%	90.571%
3	04:00:40	89.155%	0.174	0.038	0.036	0.027	0.057	92.468%	92.714%
x		88.054%	0.161	0.034	0.042	0.031	0.057	91.069%	91.676%
σ		1.321%	0.019	0.007	0.017	0.005	0.013	1.301%	1.073%
%RSD		1.500	11.600	19.520	40.460	15.380	23.720	1.429	1.171
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:59:14	-0.004	-0.005	0.020	0.018	0.018	104.648%		
2	03:59:57	0.005	-0.001	0.027	0.023	0.024	102.265%		
3	04:00:40	0.001	-0.004	0.020	0.022	0.024	104.649%		
x		0.001	-0.003	0.023	0.021	0.022	103.854%		
σ		0.005	0.002	0.004	0.003	0.004	1.376%		
%RSD		528.100	71.150	15.960	12.230	16.980	1.325		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	64.502%	7.105	31.240	31.110	0.000	576.600	29350.000	29060.000
2	04:08:12	65.230%	6.484	29.970	30.790	0.000	573.100	29100.000	28890.000
3	04:08:55	65.289%	6.501	30.620	30.530	0.000	560.800	28870.000	28900.000
x		65.007%	6.697	30.610	30.810	0.000	570.100	29110.000	28950.000
σ		0.438%	0.353	0.635	0.291	0.000	8.291	238.300	92.920
%RSD		0.674	5.276	2.075	0.944	0.000	1.454	0.819	0.321

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	91650.000	15590.000	0.000	11060.000	6015.000	5539.000	66.241%	993.900
2	04:08:12	91980.000	15460.000	0.000	11010.000	5792.000	5498.000	66.151%	983.100
3	04:08:55	90950.000	15380.000	0.000	11060.000	5934.000	5596.000	65.712%	998.800
x		91530.000	15480.000	0.000	11040.000	5914.000	5544.000	66.034%	992.000
σ		524.900	107.800	0.000	28.760	112.800	49.420	0.283%	8.021
%RSD		0.574	0.696	0.000	0.260	1.907	0.891	0.428	0.809

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	156.100	191.300	5099.000	280200.000	283500.000	116.700	313.200	181.800
2	04:08:12	153.500	191.000	5093.000	280600.000	280600.000	116.000	309.300	180.600
3	04:08:55	155.000	192.200	5089.000	280500.000	283400.000	116.400	309.900	181.600
x		154.800	191.500	5094.000	280400.000	282500.000	116.400	310.800	181.300
σ		1.310	0.650	5.236	210.200	1666.000	0.335	2.076	0.610
%RSD		0.846	0.339	0.103	0.075	0.590	0.287	0.668	0.337

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	183.300	519.700	530.700	103.000	1.533	2.596	0.000	72.080
2	04:08:12	183.300	524.500	527.700	103.100	1.339	3.008	0.000	71.660
3	04:08:55	182.900	524.300	529.300	103.200	1.377	2.867	0.000	72.350
x		183.200	522.800	529.200	103.100	1.417	2.824	0.000	72.030
σ		0.268	2.677	1.506	0.076	0.103	0.209	0.000	0.346
%RSD		0.146	0.512	0.285	0.074	7.250	7.415	0.000	0.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	0.000	8.823	8.748	57.908%	0.258	0.146	1.651	1.364
2	04:08:12	0.000	8.702	8.908	57.928%	0.230	0.150	1.619	1.323
3	04:08:55	0.000	8.924	8.958	57.756%	0.230	0.113	1.847	1.422
x		0.000	8.816	8.871	57.864%	0.239	0.136	1.706	1.370
σ		0.000	0.111	0.110	0.094%	0.016	0.021	0.123	0.050
%RSD		0.000	1.264	1.240	0.163	6.835	15.120	7.235	3.643

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	66.431%	2.005	0.435	0.436	733.000	727.700	77.269%	76.596%
2	04:08:12	66.207%	2.004	0.449	0.455	744.500	738.900	78.384%	77.599%
3	04:08:55	66.840%	1.977	0.415	0.440	739.100	731.000	78.363%	77.960%
x		66.493%	1.995	0.433	0.444	738.900	732.500	78.005%	77.385%
σ		0.321%	0.016	0.017	0.010	5.746	5.748	0.638%	0.707%
%RSD		0.482	0.802	3.975	2.291	0.778	0.785	0.818	0.913

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:29	1.382	1.380	119.100	117.900	118.300	72.460%
2	04:08:12	1.397	1.382	120.600	118.000	118.900	74.004%
3	04:08:55	1.355	1.385	120.500	118.000	119.200	74.513%
x		1.378	1.382	120.100	118.000	118.800	73.659%
σ		0.021	0.003	0.872	0.077	0.487	1.069%
%RSD		1.548	0.204	0.727	0.065	0.410	1.451

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	63.793%	6.900	27.610	28.070	0.000	548.000	31550.000	31240.000
2	04:16:25	64.627%	6.483	27.510	28.280	0.000	549.600	31180.000	31060.000
3	04:17:08	65.725%	6.555	28.820	27.330	0.000	516.900	29350.000	29310.000
x		64.715%	6.646	27.980	27.900	0.000	538.200	30690.000	30540.000
σ		0.969%	0.223	0.727	0.498	0.000	18.440	1180.000	1071.000
%RSD		1.498	3.349	2.599	1.787	0.000	3.427	3.845	3.507
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	144200.000	21830.000	0.000	10170.000	5908.000	5503.000	64.834%	1172.000
2	04:16:25	143200.000	21590.000	0.000	10120.000	5772.000	5471.000	64.230%	1167.000
3	04:17:08	136500.000	20270.000	0.000	9595.000	5506.000	5196.000	66.085%	1105.000
x		141300.000	21230.000	0.000	9964.000	5729.000	5390.000	65.050%	1148.000
σ		4165.000	840.800	0.000	320.200	204.400	168.800	0.946%	37.550
%RSD		2.948	3.961	0.000	3.214	3.568	3.133	1.454	3.271
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	231.900	183.800	2833.000	272100.000	274400.000	123.200	265.900	193.900
2	04:16:25	231.100	185.100	2873.000	273700.000	275200.000	123.400	264.000	194.600
3	04:17:08	218.600	175.200	2729.000	261300.000	263400.000	117.100	249.300	182.000
x		227.200	181.300	2812.000	269100.000	271000.000	121.200	259.700	190.200
σ		7.483	5.359	74.160	6756.000	6611.000	3.570	9.056	7.079
%RSD		3.293	2.955	2.637	2.511	2.440	2.945	3.487	3.722
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	193.400	483.300	489.600	98.070	2.390	3.958	0.000	62.840
2	04:16:25	194.600	481.500	495.600	97.780	2.459	4.221	0.000	63.620
3	04:17:08	185.900	472.300	476.800	93.310	2.139	3.377	0.000	61.210
x		191.300	479.000	487.300	96.390	2.330	3.852	0.000	62.560
σ		4.708	5.929	9.627	2.667	0.168	0.432	0.000	1.231
%RSD		2.461	1.238	1.976	2.767	7.231	11.220	0.000	1.968
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	0.000	9.188	9.635	55.561%	0.242	0.154	1.637	1.105
2	04:16:25	0.000	9.602	9.709	55.583%	0.192	0.143	1.297	0.983
3	04:17:08	0.000	9.512	9.287	56.080%	0.224	0.141	1.150	0.897
x		0.000	9.434	9.543	55.741%	0.219	0.146	1.362	0.995
σ		0.000	0.218	0.225	0.294%	0.026	0.007	0.250	0.105
%RSD		0.000	2.308	2.361	0.527	11.650	4.833	18.350	10.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:42	63.728%	1.675	0.320	0.339	882.400	874.600	72.656%	71.792%
2	04:16:25	64.491%	1.683	0.376	0.337	878.800	873.300	74.217%	73.150%
3	04:17:08	65.894%	1.517	0.295	0.373	844.000	835.400	75.134%	75.367%
x		64.704%	1.625	0.330	0.349	868.400	861.100	74.002%	73.436%
σ		1.098%	0.094	0.042	0.020	21.240	22.280	1.253%	1.805%
%RSD		1.698	5.779	12.660	5.809	2.446	2.587	1.693	2.457
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:15:42	1.625	1.605	154.400	152.400	153.600	64.081%		
2	04:16:25	1.655	1.620	157.400	155.700	155.900	65.366%		
3	04:17:08	1.576	1.595	148.700	147.300	148.000	67.929%		
x		1.619	1.607	153.500	151.800	152.500	65.792%		
σ		0.040	0.012	4.408	4.208	4.045	1.959%		
%RSD		2.468	0.776	2.872	2.773	2.652	2.978		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	65.446%	5.960	28.010	26.870	0.000	446.200	24420.000	24350.000
2	04:24:39	64.793%	6.388	27.940	27.780	0.000	453.300	25110.000	25100.000
3	04:25:22	65.396%	6.126	27.540	26.230	0.000	442.600	24200.000	24150.000
x		65.212%	6.158	27.830	26.960	0.000	447.400	24580.000	24530.000
σ		0.364%	0.216	0.257	0.777	0.000	5.441	473.300	505.000
%RSD		0.558	3.502	0.922	2.884	0.000	1.216	1.926	2.059
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	103700.000	16980.000	0.000	10310.000	4245.000	4035.000	66.638%	1034.000
2	04:24:39	106800.000	17270.000	0.000	10480.000	4254.000	4182.000	65.389%	1078.000
3	04:25:22	102800.000	16570.000	0.000	10200.000	4145.000	4035.000	65.587%	1026.000
x		104400.000	16940.000	0.000	10330.000	4215.000	4084.000	65.872%	1046.000
σ		2103.000	349.100	0.000	142.500	60.690	84.660	0.671%	27.770
%RSD		2.013	2.061	0.000	1.379	1.440	2.073	1.019	2.654
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	176.600	186.800	5393.000	314500.000	319600.000	94.520	248.500	164.700
2	04:24:39	180.700	191.000	5559.000	324900.000	329900.000	96.780	252.400	170.200
3	04:25:22	175.600	184.300	5371.000	312600.000	317300.000	93.150	241.200	162.300
x		177.600	187.400	5441.000	317300.000	322300.000	94.820	247.400	165.700
σ		2.703	3.413	102.800	6622.000	6737.000	1.832	5.688	4.038
%RSD		1.522	1.821	1.889	2.087	2.091	1.932	2.299	2.437
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	166.900	737.100	737.600	113.600	2.000	2.419	0.000	54.300
2	04:24:39	170.500	753.200	769.700	116.200	1.652	3.220	0.000	56.580
3	04:25:22	163.700	738.900	746.800	111.600	1.989	2.594	0.000	55.050
x		167.000	743.100	751.300	113.800	1.880	2.744	0.000	55.310
σ		3.376	8.824	16.500	2.293	0.198	0.421	0.000	1.163
%RSD		2.021	1.187	2.196	2.015	10.510	15.340	0.000	2.103
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	0.000	10.620	10.740	57.632%	0.293	0.225	1.935	1.619
2	04:24:39	0.000	11.220	11.160	56.206%	0.323	0.176	2.116	1.709
3	04:25:22	0.000	11.200	11.140	56.997%	0.268	0.223	1.938	1.553
x		0.000	11.010	11.020	56.945%	0.295	0.208	1.996	1.627
σ		0.000	0.338	0.237	0.715%	0.028	0.028	0.104	0.078
%RSD		0.000	3.070	2.150	1.255	9.343	13.300	5.203	4.804
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:56	66.023%	2.183	0.463	0.441	616.800	615.300	75.519%	75.036%
2	04:24:39	65.176%	2.271	0.436	0.453	636.500	633.900	75.859%	74.785%
3	04:25:22	66.107%	2.095	0.470	0.462	614.300	610.700	75.898%	75.812%
x		65.769%	2.183	0.456	0.452	622.500	620.000	75.759%	75.211%
σ		0.515%	0.088	0.018	0.011	12.180	12.260	0.208%	0.536%
%RSD		0.783	4.027	3.914	2.360	1.957	1.977	0.275	0.712
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:23:56	1.451	1.468	125.800	124.800	125.200	72.321%		
2	04:24:39	1.500	1.525	129.200	127.000	128.100	72.887%		
3	04:25:22	1.419	1.470	126.500	124.400	125.300	73.233%		
x		1.457	1.488	127.200	125.400	126.200	72.814%		
σ		0.041	0.032	1.776	1.411	1.639	0.460%		
%RSD		2.787	2.148	1.397	1.125	1.299	0.632		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	63.742%	6.610	31.420	31.950	0.000	774.000	35990.000	35750.000
2	04:32:53	64.466%	6.203	30.710	30.910	0.000	722.500	35130.000	35040.000
3	04:33:36	64.404%	6.424	31.660	31.740	0.000	756.300	35390.000	35630.000
x		64.204%	6.412	31.270	31.530	0.000	750.900	35500.000	35470.000
σ		0.401%	0.204	0.499	0.552	0.000	26.190	444.400	382.800
%RSD		0.625	3.181	1.595	1.752	0.000	3.487	1.252	1.079
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	130200.000	19130.000	0.000	10940.000	4363.000	4121.000	65.389%	1285.000
2	04:32:53	126700.000	18740.000	0.000	10770.000	4326.000	4104.000	65.362%	1262.000
3	04:33:36	129400.000	18930.000	0.000	11000.000	4334.000	4201.000	64.473%	1291.000
x		128800.000	18940.000	0.000	10900.000	4341.000	4142.000	65.075%	1279.000
σ		1831.000	194.100	0.000	116.800	19.560	51.470	0.521%	15.060
%RSD		1.422	1.025	0.000	1.072	0.451	1.243	0.801	1.178
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	201.100	180.400	2821.000	287400.000	289500.000	116.300	288.600	224.500
2	04:32:53	194.400	176.500	2778.000	282200.000	283900.000	113.200	280.700	218.200
3	04:33:36	200.400	179.400	2855.000	289600.000	291900.000	115.200	285.600	223.200
x		198.600	178.700	2818.000	286400.000	288400.000	114.900	285.000	222.000
σ		3.691	2.011	38.230	3779.000	4081.000	1.559	3.983	3.297
%RSD		1.859	1.125	1.357	1.320	1.415	1.356	1.398	1.486
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	224.900	548.500	559.900	126.400	1.782	2.972	0.000	67.380
2	04:32:53	220.300	546.200	549.100	123.800	1.750	2.783	0.000	66.640
3	04:33:36	225.200	554.500	565.500	129.700	1.862	3.488	0.000	68.110
x		223.500	549.800	558.200	126.600	1.798	3.081	0.000	67.380
σ		2.759	4.298	8.347	2.966	0.057	0.365	0.000	0.735
%RSD		1.235	0.782	1.495	2.343	3.185	11.830	0.000	1.090
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	0.000	10.290	10.430	56.465%	0.265	0.172	1.377	1.087
2	04:32:53	0.000	10.370	10.420	57.125%	0.245	0.161	1.444	1.167
3	04:33:36	0.000	10.670	10.830	55.646%	0.261	0.167	1.392	1.136
x		0.000	10.440	10.560	56.412%	0.257	0.167	1.404	1.130
σ		0.000	0.198	0.230	0.741%	0.011	0.006	0.035	0.040
%RSD		0.000	1.900	2.180	1.313	4.153	3.327	2.490	3.544
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:10	64.882%	1.864	0.398	0.438	749.000	744.300	75.277%	74.912%
2	04:32:53	65.861%	1.813	0.394	0.416	740.800	731.400	76.848%	76.028%
3	04:33:36	65.550%	1.714	0.422	0.397	751.000	749.400	76.852%	76.125%
x		65.431%	1.797	0.405	0.417	746.900	741.700	76.326%	75.688%
σ		0.501%	0.077	0.015	0.021	5.405	9.243	0.908%	0.674%
%RSD		0.765	4.260	3.753	4.999	0.724	1.246	1.190	0.890
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:32:10	1.683	1.680	142.600	141.600	142.500	71.291%		
2	04:32:53	1.634	1.695	140.900	140.700	140.900	73.334%		
3	04:33:36	1.692	1.678	146.000	144.700	145.200	72.481%		
x		1.670	1.684	143.200	142.300	142.900	72.368%		
σ		0.031	0.009	2.575	2.067	2.127	1.026%		
%RSD		1.873	0.553	1.798	1.452	1.489	1.418		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	61.281%	12.760	176.100	173.600	0.000	1613.000	71510.000	70950.000
2	04:41:08	60.796%	12.130	181.400	177.000	0.000	1597.000	71250.000	70700.000
3	04:41:51	60.461%	12.870	182.300	175.000	0.000	1598.000	71160.000	70860.000
x		60.846%	12.590	179.900	175.200	0.000	1603.000	71310.000	70840.000
σ		0.412%	0.398	3.310	1.733	0.000	8.725	179.200	128.900
%RSD		0.677	3.162	1.839	0.989	0.000	0.544	0.251	0.182
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	170100.000	25360.000	0.000	12720.000	257800.000	263500.000	62.089%	2321.000
2	04:41:08	170500.000	25110.000	0.000	12770.000	259400.000	263800.000	61.367%	2301.000
3	04:41:51	167500.000	24790.000	0.000	12650.000	260500.000	263400.000	60.407%	2298.000
x		169400.000	25090.000	0.000	12710.000	259200.000	263600.000	61.288%	2306.000
σ		1599.000	285.700	0.000	60.940	1338.000	170.600	0.844%	12.560
%RSD		0.944	1.139	0.000	0.479	0.516	0.065	1.377	0.545
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	200.800	206.100	15600.000	261900.000	265000.000	109.400	255.500	180.700
2	04:41:08	201.800	205.500	15600.000	262600.000	265300.000	108.600	250.200	178.100
3	04:41:51	201.700	206.000	15720.000	262800.000	265500.000	108.500	249.700	178.200
x		201.400	205.900	15640.000	262400.000	265300.000	108.800	251.800	179.000
σ		0.570	0.317	68.140	429.200	265.800	0.529	3.227	1.512
%RSD		0.283	0.154	0.436	0.164	0.100	0.486	1.282	0.845
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	183.600	519.700	530.500	113.400	4.450	5.608	0.000	531.600
2	04:41:08	180.900	521.400	523.800	113.300	3.951	6.853	0.000	534.100
3	04:41:51	179.000	524.500	535.300	113.400	4.318	6.440	0.000	534.300
x		181.200	521.900	529.900	113.400	4.239	6.300	0.000	533.300
σ		2.314	2.403	5.813	0.072	0.259	0.634	0.000	1.514
%RSD		1.277	0.461	1.097	0.063	6.101	10.060	0.000	0.284
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	0.000	9.721	9.884	52.057%	0.474	0.307	2.362	1.761
2	04:41:08	0.000	9.574	9.824	51.688%	0.453	0.280	2.176	1.652
3	04:41:51	0.000	10.210	10.140	51.362%	0.438	0.287	2.215	1.759
x		0.000	9.835	9.951	51.702%	0.455	0.291	2.251	1.724
σ		0.000	0.334	0.171	0.348%	0.018	0.014	0.098	0.062
%RSD		0.000	3.398	1.714	0.673	3.942	4.729	4.362	3.609
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:25	60.979%	1.760	0.325	0.315	1737.000	1751.000	70.555%	70.188%
2	04:41:08	61.190%	1.733	0.337	0.329	1780.000	1744.000	70.706%	70.502%
3	04:41:51	61.474%	1.649	0.328	0.297	1733.000	1726.000	71.318%	71.128%
x		61.214%	1.714	0.330	0.314	1750.000	1740.000	70.860%	70.606%
σ		0.249%	0.058	0.006	0.016	26.470	12.690	0.404%	0.479%
%RSD		0.406	3.373	1.871	5.049	1.513	0.729	0.570	0.678
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:40:25	1.536	1.589	135.400	133.700	135.100	59.836%		
2	04:41:08	1.612	1.612	135.500	133.600	134.700	61.324%		
3	04:41:51	1.633	1.552	136.000	134.200	135.000	61.879%		
x		1.594	1.584	135.600	133.800	135.000	61.013%		
σ		0.051	0.030	0.342	0.319	0.214	1.056%		
%RSD		3.203	1.919	0.252	0.238	0.159	1.731		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	76.814%	0.001	2.291	1.770	0.000	12.740	5.574	5.308
2	04:49:21	77.852%	-0.010	1.708	1.609	0.000	14.630	6.603	6.436
3	04:50:04	78.165%	0.001	0.968	1.498	0.000	15.780	7.993	7.565
x		77.610%	-0.003	1.655	1.626	0.000	14.380	6.723	6.436
σ		0.707%	0.006	0.663	0.137	0.000	1.537	1.214	1.128
%RSD		0.911	221.500	40.050	8.423	0.000	10.690	18.050	17.530
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	4.864	30.590	0.000	1.265	20.450	15.900	75.045%	0.935
2	04:49:21	7.800	24.320	0.000	2.162	29.660	19.410	76.557%	0.355
3	04:50:04	10.480	33.310	0.000	1.641	23.410	25.050	75.990%	0.190
x		7.714	29.400	0.000	1.689	24.510	20.120	75.864%	0.493
σ		2.808	4.613	0.000	0.451	4.699	4.620	0.764%	0.391
%RSD		36.400	15.690	0.000	26.670	19.180	22.960	1.007	79.250
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	0.010	0.006	0.330	18.060	15.390	-0.002	0.021	0.129
2	04:49:21	0.002	0.014	0.504	21.040	20.070	-0.001	0.034	0.075
3	04:50:04	0.032	-0.002	0.782	25.210	25.550	-0.001	0.043	0.084
x		0.015	0.006	0.539	21.440	20.340	-0.001	0.033	0.096
σ		0.015	0.008	0.228	3.587	5.086	0.001	0.011	0.029
%RSD		105.300	135.700	42.290	16.730	25.010	73.070	33.160	30.160
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	0.128	0.399	0.406	0.023	-0.074	-0.240	0.000	0.043
2	04:49:21	0.059	0.525	0.409	0.019	-0.046	-0.301	0.000	0.048
3	04:50:04	0.128	0.500	0.456	0.111	-0.026	-0.069	0.000	0.056
x		0.105	0.475	0.424	0.051	-0.048	-0.203	0.000	0.049
σ		0.040	0.067	0.028	0.052	0.024	0.120	0.000	0.007
%RSD		37.990	14.050	6.625	102.600	50.150	59.030	0.000	13.390
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	76.865%	0.057	0.051	81.692%	0.001	-0.004	0.127	0.095
2	04:49:21	78.436%	0.031	0.062	81.921%	-0.005	-0.005	0.039	0.046
3	04:50:04	79.004%	0.048	0.033	82.070%	-0.006	-0.006	-0.031	-0.002
x		78.102%	0.046	0.049	81.894%	-0.003	-0.005	0.045	0.046
σ		1.108%	0.013	0.015	0.190%	0.004	0.001	0.080	0.049
%RSD		1.419	29.220	30.140	0.232	119.200	25.740	176.100	105.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:38	77.958%	0.975	-0.007	0.010	0.072	0.086	82.116%	82.298%
2	04:49:21	79.813%	0.858	0.000	-0.006	0.150	0.137	84.123%	85.117%
3	04:50:04	79.568%	0.588	0.014	0.007	0.123	0.140	84.239%	84.394%
x		79.113%	0.807	0.002	0.004	0.115	0.121	83.493%	83.937%
σ		1.008%	0.198	0.011	0.008	0.040	0.031	1.194%	1.464%
%RSD		1.274	24.570	459.100	219.800	34.630	25.320	1.430	1.744
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:48:38	-0.013	-0.013	0.012	0.002	0.005	93.233%		
2	04:49:21	-0.013	-0.015	0.010	0.002	0.005	95.268%		
3	04:50:04	-0.010	-0.012	0.016	0.001	0.005	92.751%		
x		-0.012	-0.013	0.013	0.002	0.005	93.751%		
σ		0.002	0.002	0.003	0.001	0.000	1.336%		
%RSD		13.000	11.400	24.690	47.230	8.717	1.425		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	66.926%	42.440	834.900	825.000	0.000	45700.000	45160.000	45180.000
2	04:57:33	65.350%	44.500	874.700	868.900	0.000	47190.000	46690.000	46810.000
3	04:58:15	67.398%	41.870	846.000	838.000	0.000	45800.000	45300.000	45070.000
x		66.558%	42.940	851.900	843.900	0.000	46230.000	45720.000	45680.000
σ		1.072%	1.386	20.540	22.520	0.000	836.900	845.200	974.600
%RSD		1.611	3.229	2.411	2.669	0.000	1.810	1.849	2.133

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	1932.000	8003.000	0.000	45260.000	44400.000	45020.000	62.633%	918.400
2	04:57:33	2000.000	8213.000	0.000	46790.000	46540.000	46700.000	61.328%	952.300
3	04:58:15	1932.000	7964.000	0.000	45490.000	45090.000	42570.000	62.495%	919.200
x		1954.000	8060.000	0.000	45850.000	45340.000	44760.000	62.152%	930.000
σ		39.670	134.200	0.000	822.300	1093.000	2074.000	0.717%	19.370
%RSD		2.030	1.665	0.000	1.794	2.410	4.634	1.154	2.083

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	464.500	185.600	434.500	1157.000	1195.000	475.100	486.200	241.800
2	04:57:33	479.500	192.200	449.400	1195.000	1192.000	484.400	492.000	248.100
3	04:58:15	464.900	186.200	436.300	1156.000	1181.000	472.200	476.900	242.200
x		469.700	188.000	440.100	1169.000	1189.000	477.300	485.100	244.100
σ		8.547	3.642	8.123	22.050	7.153	6.368	7.604	3.493
%RSD		1.820	1.937	1.846	1.886	0.601	1.334	1.568	1.431

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	245.200	405.600	406.400	33.720	7.862	8.469	0.000	1050.000
2	04:57:33	249.200	420.000	424.200	34.650	7.677	8.228	0.000	1077.000
3	04:58:15	242.500	409.500	408.900	33.430	8.235	8.660	0.000	1050.000
x		245.700	411.700	413.200	33.930	7.925	8.452	0.000	1059.000
σ		3.370	7.466	9.589	0.639	0.284	0.217	0.000	15.430
%RSD		1.372	1.813	2.321	1.883	3.582	2.561	0.000	1.457

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	56.404%	1025.000	1023.000	56.918%	46.090	46.770	44.160	38.860
2	04:57:33	55.817%	1066.000	1067.000	56.154%	47.600	48.600	45.320	40.600
3	04:58:15	56.948%	1036.000	1044.000	56.995%	46.750	46.760	43.780	39.500
x		56.390%	1042.000	1045.000	56.689%	46.810	47.380	44.420	39.650
σ		0.565%	21.460	21.850	0.465%	0.759	1.062	0.802	0.880
%RSD		1.003	2.059	2.092	0.821	1.622	2.242	1.805	2.220

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	60.160%	1890.000	429.700	429.200	1848.000	1838.000	70.953%	72.217%
2	04:57:33	60.068%	1956.000	443.200	444.800	1912.000	1893.000	70.723%	71.504%
3	04:58:15	61.158%	1905.000	428.200	431.900	1863.000	1854.000	72.138%	72.760%
x		60.462%	1917.000	433.700	435.300	1875.000	1862.000	71.271%	72.160%
σ		0.605%	34.550	8.251	8.366	33.310	28.160	0.760%	0.629%
%RSD		1.000	1.803	1.903	1.922	1.777	1.512	1.066	0.872

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:56:50	44.310	44.330	16.810	18.670	17.710	72.354%
2	04:57:33	46.620	46.430	17.890	19.690	18.650	71.334%
3	04:58:15	45.630	45.780	17.490	19.460	18.400	72.025%
x		45.520	45.510	17.400	19.270	18.250	71.904%
σ		1.159	1.078	0.545	0.535	0.488	0.521%
%RSD		2.546	2.368	3.132	2.777	2.673	0.724

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	60.754%	5.733	26.440	26.870	0.000	402.100	22820.000	22640.000
2	05:05:45	61.541%	5.586	25.530	26.020	0.000	399.600	22650.000	22520.000
3	05:06:28	61.859%	5.738	26.360	25.330	0.000	400.000	22740.000	22490.000
x		61.385%	5.686	26.110	26.070	0.000	400.500	22740.000	22550.000
σ		0.569%	0.086	0.507	0.772	0.000	1.348	87.490	78.380
%RSD		0.926	1.519	1.941	2.960	0.000	0.337	0.385	0.348
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	110600.000	6314.000	0.000	7723.000	7358.000	6957.000	60.431%	905.300
2	05:05:45	109800.000	6224.000	0.000	7831.000	7321.000	6956.000	60.096%	906.100
3	05:06:28	109300.000	6194.000	0.000	7718.000	7395.000	6978.000	59.961%	904.300
x		109900.000	6244.000	0.000	7758.000	7358.000	6964.000	60.163%	905.300
σ		673.200	62.760	0.000	63.470	36.930	12.570	0.242%	0.897
%RSD		0.613	1.005	0.000	0.818	0.502	0.180	0.402	0.099
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	187.800	149.900	3467.000	245200.000	247600.000	93.370	186.900	160.600
2	05:05:45	189.500	150.300	3506.000	245800.000	247900.000	92.670	185.900	158.200
3	05:06:28	188.200	150.700	3505.000	246400.000	246600.000	92.320	188.000	158.600
x		188.500	150.300	3493.000	245800.000	247400.000	92.790	186.900	159.100
σ		0.889	0.423	22.220	605.700	677.700	0.533	1.068	1.256
%RSD		0.471	0.281	0.636	0.246	0.274	0.574	0.571	0.789
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	158.900	454.800	456.700	88.290	2.120	2.829	0.000	53.050
2	05:05:45	161.800	454.600	464.100	88.130	1.974	3.117	0.000	53.430
3	05:06:28	159.100	453.100	462.500	88.150	1.846	3.326	0.000	53.360
x		159.900	454.200	461.100	88.190	1.980	3.091	0.000	53.280
σ		1.629	0.912	3.901	0.089	0.137	0.249	0.000	0.203
%RSD		1.019	0.201	0.846	0.101	6.923	8.065	0.000	0.380
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	0.000	8.279	8.776	53.009%	0.369	0.262	1.353	1.093
2	05:05:45	0.000	9.068	8.966	52.838%	0.394	0.297	1.362	1.140
3	05:06:28	0.000	9.015	8.991	53.382%	0.348	0.298	1.268	1.069
x		0.000	8.787	8.911	53.076%	0.370	0.286	1.327	1.100
σ		0.000	0.441	0.117	0.278%	0.023	0.020	0.052	0.036
%RSD		0.000	5.020	1.316	0.524	6.281	7.161	3.891	3.273
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:02	60.749%	2.726	1.356	1.244	630.400	624.800	69.006%	68.556%
2	05:05:45	60.931%	2.253	1.349	1.428	633.400	631.900	69.475%	69.666%
3	05:06:28	61.378%	1.931	1.340	1.341	633.600	628.400	70.424%	70.229%
x		61.020%	2.303	1.348	1.338	632.500	628.400	69.635%	69.484%
σ		0.324%	0.400	0.008	0.092	1.792	3.574	0.722%	0.852%
%RSD		0.531	17.360	0.586	6.863	0.283	0.569	1.037	1.226
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:05:02	1.432	1.377	131.800	130.400	130.900	63.490%		
2	05:05:45	1.429	1.392	133.300	131.400	132.000	64.369%		
3	05:06:28	1.402	1.408	133.500	130.400	131.500	65.531%		
x		1.421	1.392	132.900	130.800	131.500	64.463%		
σ		0.016	0.015	0.924	0.593	0.567	1.024%		
%RSD		1.145	1.100	0.696	0.454	0.431	1.588		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	62.430%	6.353	36.550	36.620	0.000	721.100	27270.000	26970.000
2	05:13:57	62.606%	6.295	37.640	37.120	0.000	717.100	27030.000	27070.000
3	05:14:40	62.657%	6.745	37.050	36.900	0.000	716.000	26900.000	26840.000
x		62.565%	6.464	37.080	36.880	0.000	718.100	27070.000	26960.000
σ		0.119%	0.245	0.545	0.252	0.000	2.649	185.600	114.600
%RSD		0.190	3.783	1.470	0.684	0.000	0.369	0.686	0.425

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	99830.000	11860.000	0.000	8416.000	58900.000	59630.000	62.271%	1045.000
2	05:13:57	99290.000	11690.000	0.000	8440.000	58420.000	60460.000	61.552%	1050.000
3	05:14:40	98110.000	11570.000	0.000	8346.000	58430.000	60080.000	61.102%	1041.000
x		99080.000	11710.000	0.000	8401.000	58580.000	60050.000	61.641%	1045.000
σ		878.200	146.600	0.000	48.630	273.600	415.300	0.590%	4.552
%RSD		0.886	1.252	0.000	0.579	0.467	0.692	0.957	0.435

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	147.200	155.900	4410.000	232900.000	234100.000	85.910	196.400	172.100
2	05:13:57	148.000	157.000	4495.000	236300.000	236000.000	86.660	198.200	174.200
3	05:14:40	145.900	155.600	4430.000	233000.000	234600.000	85.870	195.200	173.300
x		147.000	156.200	4445.000	234100.000	234900.000	86.150	196.600	173.200
σ		1.092	0.721	44.670	1944.000	980.700	0.445	1.475	1.043
%RSD		0.742	0.462	1.005	0.831	0.417	0.516	0.750	0.602

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	175.200	537.700	542.500	113.000	2.095	3.260	0.000	185.000
2	05:13:57	178.500	543.400	545.700	113.300	2.291	3.454	0.000	186.900
3	05:14:40	174.500	545.400	549.600	112.300	2.439	3.827	0.000	187.400
x		176.000	542.200	546.000	112.900	2.275	3.514	0.000	186.400
σ		2.127	4.008	3.559	0.540	0.173	0.288	0.000	1.247
%RSD		1.208	0.739	0.652	0.478	7.587	8.197	0.000	0.669

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	0.000	9.772	9.778	54.605%	0.253	0.150	2.497	2.204
2	05:13:57	0.000	9.656	9.545	53.848%	0.257	0.195	2.641	2.209
3	05:14:40	0.000	9.601	9.900	53.003%	0.267	0.199	2.570	2.089
x		0.000	9.676	9.741	53.819%	0.259	0.181	2.569	2.167
σ		0.000	0.087	0.181	0.801%	0.007	0.027	0.072	0.068
%RSD		0.000	0.901	1.855	1.489	2.672	14.880	2.785	3.134

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	62.511%	1.777	75.020	75.500	743.000	740.100	73.133%	72.870%
2	05:13:57	61.897%	1.677	75.100	76.000	744.200	734.600	73.595%	73.280%
3	05:14:40	61.019%	1.652	76.850	76.400	752.000	742.600	71.280%	71.228%
x		61.809%	1.702	75.660	75.970	746.400	739.100	72.669%	72.460%
σ		0.750%	0.066	1.036	0.456	4.894	4.103	1.225%	1.086%
%RSD		1.213	3.884	1.369	0.600	0.656	0.555	1.686	1.499

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:14	1.293	1.273	371.700	358.400	362.300	70.383%
2	05:13:57	1.271	1.276	368.700	354.800	359.800	70.445%
3	05:14:40	1.274	1.289	375.500	358.200	364.600	65.692%
x		1.280	1.279	372.000	357.100	362.200	68.840%
σ		0.012	0.009	3.429	2.031	2.397	2.727%
%RSD		0.938	0.701	0.922	0.569	0.662	3.961

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	61.966%	5.759	20.300	19.730	0.000	451.000	22480.000	22480.000
2	05:22:09	61.987%	6.005	19.430	20.080	0.000	457.100	22370.000	22310.000
3	05:22:53	61.744%	5.391	19.100	19.210	0.000	453.800	22460.000	22440.000
x		61.899%	5.718	19.610	19.670	0.000	454.000	22440.000	22410.000
σ		0.135%	0.309	0.622	0.440	0.000	3.078	58.380	88.960
%RSD		0.218	5.402	3.172	2.235	0.000	0.678	0.260	0.397

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	114600.000	6369.000	0.000	7932.000	7014.000	6773.000	61.311%	925.400
2	05:22:09	114200.000	6341.000	0.000	7983.000	7264.000	6898.000	60.960%	922.300
3	05:22:53	114200.000	6332.000	0.000	7903.000	7173.000	6834.000	61.149%	920.300
x		114300.000	6347.000	0.000	7940.000	7150.000	6835.000	61.140%	922.700
σ		248.700	18.960	0.000	40.570	126.900	62.550	0.176%	2.581
%RSD		0.218	0.299	0.000	0.511	1.775	0.915	0.287	0.280

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	210.900	148.200	6496.000	264700.000	266000.000	148.300	177.300	143.500
2	05:22:09	210.700	148.200	6547.000	266400.000	269000.000	149.500	175.100	145.800
3	05:22:53	210.300	146.500	6565.000	265300.000	267600.000	147.100	171.800	144.300
x		210.600	147.700	6536.000	265500.000	267500.000	148.300	174.700	144.500
σ		0.339	0.979	35.720	878.500	1517.000	1.160	2.756	1.203
%RSD		0.161	0.663	0.547	0.331	0.567	0.782	1.577	0.832

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	146.800	430.000	431.000	99.650	2.052	3.659	0.000	55.080
2	05:22:09	147.300	430.700	436.900	99.510	2.023	3.188	0.000	55.490
3	05:22:53	146.000	430.400	435.000	99.940	2.309	2.856	0.000	55.790
x		146.700	430.400	434.300	99.700	2.128	3.234	0.000	55.460
σ		0.624	0.370	2.993	0.218	0.157	0.403	0.000	0.355
%RSD		0.426	0.086	0.689	0.219	7.398	12.470	0.000	0.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	0.000	9.603	9.403	54.239%	0.436	0.355	1.277	0.913
2	05:22:09	0.000	9.334	9.324	54.121%	0.424	0.364	1.240	0.880
3	05:22:53	0.000	9.297	9.687	54.100%	0.469	0.388	1.291	0.982
x		0.000	9.411	9.471	54.153%	0.443	0.369	1.269	0.925
σ		0.000	0.167	0.191	0.075%	0.023	0.017	0.026	0.052
%RSD		0.000	1.775	2.013	0.138	5.243	4.682	2.065	5.654

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	61.392%	1.087	0.431	0.360	682.100	683.500	69.779%	70.016%
2	05:22:09	61.905%	1.138	0.432	0.383	681.300	679.400	71.029%	70.369%
3	05:22:53	62.247%	1.176	0.405	0.364	688.500	682.100	71.265%	71.028%
x		61.848%	1.134	0.423	0.369	684.000	681.700	70.691%	70.471%
σ		0.430%	0.044	0.015	0.012	3.934	2.104	0.799%	0.513%
%RSD		0.695	3.916	3.634	3.282	0.575	0.309	1.130	0.728

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:26	1.595	1.567	151.100	148.500	148.800	69.474%
2	05:22:09	1.598	1.634	152.300	150.000	151.100	69.936%
3	05:22:53	1.614	1.656	153.800	152.200	152.700	70.013%
x		1.602	1.619	152.400	150.200	150.900	69.808%
σ		0.010	0.046	1.357	1.895	1.962	0.291%
%RSD		0.647	2.848	0.890	1.262	1.301	0.418

CCV 781130 4/29/2013 5:28:56 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	67.229%	105.000	104.400	102.500	0.000	50720.000	50680.000	50300.000
2	05:30:22	66.466%	104.300	102.900	102.400	0.000	50230.000	50620.000	50410.000
3	05:31:05	66.212%	104.100	103.900	102.800	0.000	50640.000	50610.000	50070.000
x		66.636%	104.478%	103.713%	102.568%	0.000	101.059%	101.273%	100.519%
σ		0.529%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.794	0.458	0.735	0.246	0.000	0.513	0.071	0.345
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	508.200	5271.000	0.000	50000.000	48630.000	49630.000	63.530%	101.300
2	05:30:22	518.300	5219.000	0.000	49750.000	49010.000	50230.000	62.022%	99.960
3	05:31:05	509.700	5245.000	0.000	50390.000	48840.000	49830.000	61.386%	97.660
x		102.410%	104.900%	0.000	100.095%	97.648%	99.795%	62.313%	99.643%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.101%	n/a
%RSD		1.064	0.503	0.000	0.640	0.394	0.616	1.767	1.849
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	99.970	100.600	469.000	25640.000	23950.000	102.100	103.200	104.200
2	05:30:22	100.000	99.880	470.900	25520.000	23840.000	100.800	103.800	104.500
3	05:31:05	99.540	100.400	471.600	25560.000	23930.000	101.200	102.700	104.100
x		99.844%	100.294%	94.100%	102.296%	95.632%	101.360%	103.243%	104.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.267	0.373	0.280	0.243	0.243	0.675	0.548	0.207
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	104.900	99.050	100.200	103.300	102.100	103.400	0.000	97.970
2	05:30:22	104.800	100.300	99.730	102.900	101.800	99.460	0.000	97.890
3	05:31:05	104.600	99.970	99.130	102.000	102.000	101.900	0.000	98.070
x		104.759%	99.757%	99.677%	102.722%	101.951%	101.591%	0.000	97.976%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.177	0.635	0.519	0.626	0.138	1.958	0.000	0.093
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	64.567%	104.600	106.900	58.392%	101.900	102.100	101.400	100.300
2	05:30:22	63.232%	105.800	109.100	57.006%	101.700	101.600	100.700	99.980
3	05:31:05	63.383%	107.900	108.900	56.845%	101.800	102.200	99.390	100.100
x		63.727%	106.112%	108.287%	57.414%	101.777%	101.943%	100.481%	100.096%
σ		0.731%	n/a	n/a	0.851%	n/a	n/a	n/a	n/a
%RSD		1.147	1.576	1.136	1.482	0.126	0.333	1.003	0.141
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:39	65.012%	98.160	96.840	97.090	99.990	99.150	70.597%	70.968%
2	05:30:22	65.040%	98.640	96.120	96.870	100.400	97.880	70.042%	70.213%
3	05:31:05	64.582%	97.590	96.540	96.250	98.220	97.690	70.125%	70.804%
x		64.878%	98.132%	96.499%	96.736%	99.553%	98.239%	70.255%	70.662%
σ		0.257%	n/a	n/a	n/a	n/a	n/a	0.299%	0.397%
%RSD		0.396	0.536	0.376	0.445	1.179	0.806	0.426	0.562
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:29:39	95.920	95.050	94.580	94.660	94.470	69.836%		
2	05:30:22	96.250	95.010	95.140	94.460	95.020	69.548%		
3	05:31:05	96.430	95.700	95.580	94.990	95.150	70.496%		
x		96.201%	95.253%	95.100%	94.703%	94.879%	69.960%		
σ		n/a	n/a	n/a	n/a	n/a	0.486%		
%RSD		0.269	0.411	0.530	0.282	0.383	0.695		

CCB5 4/29/2013 5:37:12 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	91.361%	0.007	1.735	1.501	0.000	4.801	4.306	4.821
2	05:38:38	94.576%	0.029	1.184	1.389	0.000	6.633	7.065	6.921
3	05:39:21	93.021%	0.021	1.285	1.099	0.000	9.567	9.116	8.181
x		92.986%	0.019	1.401	1.330	0.000	7.000	6.829	6.641
σ		1.608%	0.011	0.293	0.207	0.000	2.404	2.413	1.698
%RSD		1.729	57.110	20.920	15.590	0.000	34.340	35.340	25.560

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	1.849	0.273	0.000	-5.029	4.588	3.026	96.664%	-0.172
2	05:38:38	2.585	0.361	0.000	-4.733	9.494	5.308	98.323%	-0.154
3	05:39:21	3.115	16.430	0.000	-1.630	9.621	6.269	97.215%	-0.111
x		2.516	5.688	0.000	-3.797	7.901	4.868	97.401%	-0.146
σ		0.636	9.303	0.000	1.883	2.870	1.665	0.845%	0.031
%RSD		25.260	163.600	0.000	49.580	36.320	34.220	0.867	21.370

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	0.007	-0.024	0.250	1.623	4.403	0.001	0.017	0.046
2	05:38:38	0.017	-0.015	0.344	4.287	6.815	0.009	0.031	0.055
3	05:39:21	0.017	-0.008	0.433	6.247	8.639	0.019	0.016	0.048
x		0.014	-0.016	0.342	4.052	6.619	0.010	0.021	0.050
σ		0.006	0.008	0.091	2.321	2.125	0.009	0.008	0.005
%RSD		41.270	48.900	26.720	57.280	32.110	95.020	39.080	9.432

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	0.044	0.190	0.143	-0.261	-0.252	-0.825	0.000	0.025
2	05:38:38	0.078	0.192	0.240	-0.299	-0.161	-0.861	0.000	0.032
3	05:39:21	0.112	0.262	0.119	-0.329	-0.058	-1.172	0.000	0.045
x		0.078	0.215	0.167	-0.296	-0.157	-0.953	0.000	0.034
σ		0.034	0.041	0.064	0.035	0.097	0.191	0.000	0.010
%RSD		43.610	18.980	38.020	11.660	61.900	20.040	0.000	29.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	82.145%	0.206	0.188	92.049%	0.001	-0.003	0.063	0.054
2	05:38:38	83.129%	0.183	0.158	93.090%	-0.002	0.007	0.038	0.035
3	05:39:21	83.286%	0.179	0.157	92.029%	0.002	0.008	0.055	0.043
x		82.853%	0.190	0.168	92.390%	0.000	0.004	0.052	0.044
σ		0.619%	0.015	0.017	0.607%	0.002	0.006	0.013	0.010
%RSD		0.747	7.797	10.350	0.657	718.100	146.000	24.020	22.460

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	87.717%	0.120	0.026	0.024	0.025	0.032	87.373%	88.819%
2	05:38:38	89.359%	0.121	0.031	0.013	0.012	0.046	89.258%	89.828%
3	05:39:21	89.204%	0.167	0.051	0.047	0.053	0.077	87.908%	88.384%
x		88.760%	0.136	0.036	0.028	0.030	0.052	88.180%	89.011%
σ		0.906%	0.026	0.013	0.017	0.021	0.023	0.971%	0.741%
%RSD		1.021	19.380	36.670	61.800	70.840	44.190	1.102	0.832

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:55	-0.006	-0.009	0.027	0.014	0.018	96.059%
2	05:38:38	-0.005	-0.001	0.023	0.014	0.016	92.746%
3	05:39:21	0.008	-0.001	0.025	0.031	0.023	91.327%
x		-0.001	-0.004	0.025	0.020	0.019	93.377%
σ		0.008	0.005	0.002	0.010	0.004	2.428%
%RSD		772.300	120.300	7.746	49.470	19.710	2.601

CRI 793093 4/29/2013 5:45:30 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	95.048%	1.056	6.098	6.095	0.000	92.890	93.250	92.410
2	05:46:55	94.845%	0.901	6.357	6.161	0.000	94.600	91.520	91.230
3	05:47:38	94.488%	0.805	5.997	5.812	0.000	94.370	90.550	92.130
x		94.794%	92.063%	123.010%	120.444%	0.000	93.954%	91.777%	91.928%
σ		0.284%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.299	13.770	3.025	3.079	0.000	0.986	1.491	0.670
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	32.760	500.500	0.000	90.890	108.800	96.210	81.205%	4.172
2	05:46:55	31.990	500.100	0.000	91.640	101.000	99.230	81.069%	5.091
3	05:47:38	32.340	491.900	0.000	90.490	95.780	99.130	81.250%	5.293
x		107.881%	99.497%	0.000	91.008%	101.870%	98.189%	81.175%	97.039%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.094%	n/a
%RSD		1.188	0.970	0.000	0.640	6.448	1.750	0.116	12.310
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	0.788	2.034	4.869	52.010	50.410	0.495	1.087	2.274
2	05:46:55	0.929	1.956	4.873	51.930	48.850	0.505	1.081	2.271
3	05:47:38	0.957	1.972	4.856	49.920	49.960	0.544	1.137	2.232
x		89.150%	99.375%	973.175%	102.572%	99.480%	102.929%	110.173%	112.940%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		10.140	2.070	0.190	2.312	1.608	5.061	2.752	1.042
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	2.262	5.259	5.306	1.460	4.506	5.487	0.000	4.087
2	05:46:55	2.329	5.116	5.201	1.017	4.505	5.154	0.000	4.190
3	05:47:38	2.118	5.297	4.831	1.071	4.661	4.170	0.000	4.063
x		111.834%	104.476%	102.257%	118.255%	91.147%	98.741%	0.000	82.264%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.819	1.830	4.875	20.470	1.967	13.870	0.000	1.651
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	95.834%	4.166	4.203	86.417%	0.997	0.995	1.226	1.221
2	05:46:55	94.524%	4.409	4.430	84.663%	1.022	1.062	1.164	1.058
3	05:47:38	96.625%	4.415	4.599	86.064%	1.018	1.047	0.996	1.073
x		95.661%	86.599%	88.212%	85.715%	101.206%	103.450%	112.882%	111.729%
σ		1.061%	n/a	n/a	0.927%	n/a	n/a	n/a	n/a
%RSD		1.109	3.284	4.499	1.082	1.344	3.382	10.570	8.048
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:12	82.525%	5.107	2.004	1.949	10.080	10.030	84.855%	85.089%
2	05:46:55	81.532%	5.361	1.961	1.984	10.420	10.200	85.157%	85.898%
3	05:47:38	81.720%	5.376	2.094	1.997	9.833	10.080	86.201%	87.760%
x		81.926%	105.621%	100.991%	98.835%	101.089%	101.056%	85.404%	86.249%
σ		0.527%	n/a	n/a	n/a	n/a	n/a	0.706%	1.370%
%RSD		0.644	2.864	3.355	1.261	2.910	0.883	0.826	1.588
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:46:12	0.942	0.880	0.862	0.927	0.900	97.482%		
2	05:46:55	0.930	0.915	0.915	0.922	0.924	98.190%		
3	05:47:38	0.897	0.884	0.931	0.928	0.910	99.677%		
x		92.288%	89.304%	90.309%	92.556%	91.130%	98.450%		
σ		n/a	n/a	n/a	n/a	n/a	1.120%		
%RSD		2.539	2.151	4.000	0.364	1.335	1.138		

CRI 793093 4/29/2013 5:53:47 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	87.020%	0.974	6.317	5.956	0.000	101.500	96.290	96.530
2	05:55:13	86.955%	1.032	6.244	5.964	0.000	100.700	95.410	95.070
3	05:55:56	87.499%	1.004	6.631	5.960	0.000	103.200	98.330	95.850
x		87.158%	100.334%	127.944%	119.201%	0.000	101.781%	96.676%	95.817%
σ		0.297%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.341	2.925	3.214	0.068	0.000	1.248	1.549	0.762

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	34.490	518.800	0.000	95.600	102.300	100.500	78.641%	5.462
2	05:55:13	34.060	508.100	0.000	92.820	120.300	100.400	79.099%	5.067
3	05:55:56	34.260	511.200	0.000	95.870	104.600	102.900	77.672%	4.757
x		114.232%	102.542%	0.000	94.765%	109.097%	101.244%	78.470%	101.909%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.729%	n/a
%RSD		0.623	1.070	0.000	1.781	8.987	1.391	0.929	6.937

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	1.071	2.052	5.049	54.470	50.610	0.497	1.034	2.207
2	05:55:13	0.984	2.057	5.039	53.390	50.380	0.492	1.109	2.255
3	05:55:56	1.053	2.018	5.175	54.880	52.480	0.547	1.060	2.361
x		103.604%	102.115%	1017.552%	108.492%	102.314%	102.391%	106.771%	113.704%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.418	1.019	1.496	1.422	2.255	5.919	3.553	3.473

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	2.336	5.206	5.687	1.004	5.097	4.623	0.000	4.423
2	05:55:13	2.247	5.498	5.541	0.905	4.954	4.638	0.000	4.508
3	05:55:56	2.343	5.259	5.454	1.196	5.303	4.668	0.000	4.521
x		115.423%	106.424%	111.213%	103.492%	102.361%	92.862%	0.000	89.677%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.315	2.920	2.123	14.250	3.424	0.491	0.000	1.176

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	85.434%	4.376	4.155	83.489%	0.994	1.017	1.214	1.102
2	05:55:13	85.882%	4.558	4.439	84.612%	0.969	0.997	1.045	1.106
3	05:55:56	85.686%	4.734	4.721	84.265%	0.977	1.013	1.087	1.045
x		85.667%	91.117%	88.767%	84.122%	97.965%	100.912%	111.559%	108.423%
σ		0.224%	n/a	n/a	0.575%	n/a	n/a	n/a	n/a
%RSD		0.262	3.925	6.379	0.683	1.294	1.075	7.904	3.142

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	79.138%	5.008	1.944	1.996	10.030	10.120	81.559%	81.396%
2	05:55:13	80.756%	4.969	1.974	1.948	10.060	10.200	83.356%	84.188%
3	05:55:56	80.624%	5.368	2.042	1.996	10.410	10.310	82.955%	84.346%
x		80.173%	102.296%	99.349%	98.995%	101.657%	102.131%	82.624%	83.310%
σ		0.898%	n/a	n/a	n/a	n/a	n/a	0.943%	1.659%
%RSD		1.121	4.295	2.531	1.402	2.120	0.938	1.142	1.992

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:30	0.891	0.879	0.917	0.948	0.906	87.085%
2	05:55:13	0.868	0.851	0.887	0.920	0.909	91.028%
3	05:55:56	0.916	0.876	0.904	0.888	0.911	92.557%
x		89.161%	86.876%	90.242%	91.861%	90.908%	90.223%
σ		n/a	n/a	n/a	n/a	n/a	2.824%
%RSD		2.701	1.754	1.681	3.252	0.295	3.130

CCV 781130 4/29/2013 6:02:02 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	70.227%	102.500	101.600	100.600	0.000	50850.000	50600.000	50190.000
2	06:03:28	70.654%	100.600	102.200	99.650	0.000	49650.000	49500.000	48970.000
3	06:04:11	68.255%	105.400	104.900	102.800	0.000	51190.000	50960.000	50810.000
x		69.712%	102.842%	102.898%	100.992%	0.000	101.132%	100.711%	99.980%
σ		1.280%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.836	2.357	1.737	1.586	0.000	1.598	1.512	1.876
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	506.000	5339.000	0.000	50760.000	48480.000	49570.000	67.110%	100.800
2	06:03:28	490.000	5142.000	0.000	49320.000	48370.000	48910.000	65.797%	98.430
3	06:04:11	511.800	5346.000	0.000	50910.000	48890.000	50860.000	63.787%	102.200
x		100.526%	105.511%	0.000	100.665%	97.158%	99.556%	65.565%	100.464%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.673%	n/a
%RSD		2.247	2.198	0.000	1.741	0.567	1.989	2.552	1.888
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	102.500	102.000	465.500	25650.000	24100.000	104.500	106.700	107.800
2	06:03:28	101.100	99.680	463.700	25360.000	23600.000	101.500	104.000	104.600
3	06:04:11	101.000	102.300	473.800	25790.000	24210.000	103.500	107.000	106.500
x		101.525%	101.344%	93.535%	102.393%	95.883%	103.177%	105.857%	106.303%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.801	1.431	1.144	0.857	1.344	1.480	1.565	1.482
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	108.500	99.770	100.600	104.300	104.200	104.600	0.000	98.190
2	06:03:28	105.100	97.390	98.080	102.100	101.600	103.100	0.000	97.800
3	06:04:11	105.900	98.340	101.000	103.700	103.100	103.800	0.000	98.560
x		106.493%	98.501%	99.886%	103.359%	102.983%	103.843%	0.000	98.180%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.673	1.215	1.573	1.093	1.257	0.722	0.000	0.386
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	67.478%	104.200	107.700	61.569%	102.800	104.000	98.910	99.560
2	06:03:28	66.198%	106.200	107.500	60.449%	101.800	102.200	98.260	98.680
3	06:04:11	64.712%	108.800	110.200	58.639%	102.800	104.100	102.800	101.600
x		66.129%	106.381%	108.462%	60.219%	102.485%	103.449%	99.974%	99.948%
σ		1.384%	n/a	n/a	1.479%	n/a	n/a	n/a	n/a
%RSD		2.093	2.189	1.392	2.455	0.607	1.022	2.432	1.499
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:45	67.895%	96.740	97.220	97.270	100.600	100.900	73.235%	74.533%
2	06:03:28	67.395%	98.170	95.280	96.290	100.400	97.720	73.240%	74.060%
3	06:04:11	64.820%	99.990	98.280	97.710	101.200	100.800	70.056%	71.398%
x		66.703%	98.297%	96.926%	97.088%	100.738%	99.786%	72.177%	73.331%
σ		1.650%	n/a	n/a	n/a	n/a	n/a	1.837%	1.690%
%RSD		2.474	1.659	1.568	0.748	0.453	1.794	2.545	2.305
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:02:45	93.950	94.160	93.520	93.800	93.260	79.090%		
2	06:03:28	92.790	92.680	92.290	92.430	92.120	78.638%		
3	06:04:11	95.200	94.110	94.080	93.650	93.710	73.391%		
x		93.982%	93.648%	93.297%	93.290%	93.029%	77.040%		
σ		n/a	n/a	n/a	n/a	n/a	3.168%		
%RSD		1.281	0.897	0.980	0.804	0.881	4.113		

CCB6 4/29/2013 6:10:19 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	95.003%	-0.007	0.819	1.015	0.000	5.433	4.530	4.738
2	06:11:45	97.628%	0.006	1.084	0.813	0.000	8.825	7.785	8.261
3	06:12:28	99.660%	0.018	1.110	0.753	0.000	7.786	7.125	7.598
x		97.430%	0.006	1.004	0.861	0.000	7.348	6.480	6.866
σ		2.335%	0.012	0.162	0.138	0.000	1.738	1.721	1.872
%RSD		2.396	213.800	16.080	15.980	0.000	23.650	26.550	27.270

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	1.595	0.231	0.000	-3.333	7.916	4.167	97.266%	-0.122
2	06:11:45	1.864	0.971	0.000	-0.691	12.460	6.870	100.962%	-0.277
3	06:12:28	1.846	0.181	0.000	-2.394	9.857	5.951	102.400%	-0.112
x		1.768	0.461	0.000	-2.139	10.080	5.662	100.209%	-0.170
σ		0.150	0.443	0.000	1.339	2.280	1.374	2.648%	0.093
%RSD		8.511	96.060	0.000	62.600	22.630	24.270	2.643	54.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	0.004	-0.027	0.255	3.214	4.068	0.003	0.028	0.033
2	06:11:45	0.015	0.019	0.375	5.059	6.835	0.014	0.037	0.029
3	06:12:28	0.015	-0.012	0.315	4.422	6.508	0.017	0.043	0.057
x		0.011	-0.007	0.315	4.232	5.803	0.011	0.036	0.039
σ		0.006	0.024	0.060	0.937	1.512	0.007	0.007	0.015
%RSD		53.230	356.800	19.060	22.150	26.060	63.360	20.910	38.010

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	0.067	0.270	0.251	-0.311	0.085	-0.937	0.000	0.022
2	06:11:45	0.110	0.263	0.219	-0.239	-0.047	-0.768	0.000	0.043
3	06:12:28	0.061	0.205	0.207	-0.336	-0.001	-1.084	0.000	0.041
x		0.079	0.246	0.226	-0.295	0.012	-0.930	0.000	0.035
σ		0.027	0.036	0.023	0.050	0.067	0.158	0.000	0.012
%RSD		34.040	14.520	10.090	17.040	548.400	16.990	0.000	32.770

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	81.652%	0.289	0.224	87.087%	0.003	0.011	0.145	0.109
2	06:11:45	85.058%	0.225	0.237	89.788%	0.007	0.010	0.119	0.093
3	06:12:28	86.522%	0.205	0.217	91.837%	0.002	0.010	0.025	0.030
x		84.411%	0.240	0.226	89.571%	0.004	0.011	0.096	0.078
σ		2.499%	0.044	0.010	2.382%	0.003	0.001	0.063	0.042
%RSD		2.960	18.410	4.517	2.659	68.070	6.504	65.390	54.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	81.981%	0.157	0.021	0.016	0.015	0.032	85.138%	85.080%
2	06:11:45	85.276%	0.168	0.029	0.031	0.009	0.047	88.671%	89.052%
3	06:12:28	87.215%	0.150	0.035	0.031	-0.017	0.072	89.535%	90.557%
x		84.824%	0.159	0.028	0.026	0.002	0.050	87.781%	88.230%
σ		2.646%	0.009	0.007	0.009	0.017	0.021	2.330%	2.829%
%RSD		3.119	5.729	24.220	34.000	786.800	40.830	2.654	3.207

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:02	-0.004	-0.005	0.017	0.019	0.015	96.799%
2	06:11:45	0.006	-0.001	0.025	0.017	0.019	101.719%
3	06:12:28	0.004	0.002	0.029	0.030	0.024	104.059%
x		0.002	-0.001	0.024	0.022	0.019	100.859%
σ		0.006	0.003	0.006	0.007	0.005	3.705%
%RSD		275.200	266.400	26.520	32.430	23.940	3.674

240-22488-D-1-A 4/29/2013 6:18:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	61.087%	5.055	20.450	20.600	0.000	384.100	22770.000	22360.000
2	06:20:00	60.372%	5.149	22.030	21.390	0.000	392.800	23110.000	22740.000
3	06:20:43	61.119%	5.240	21.670	21.180	0.000	384.800	22600.000	22540.000
x		60.859%	5.148	21.380	21.060	0.000	387.200	22820.000	22550.000
σ		0.422%	0.092	0.828	0.407	0.000	4.842	260.100	192.700
%RSD		0.694	1.795	3.874	1.932	0.000	1.250	1.139	0.855

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	102400.000	6914.000	0.000	7656.000	7459.000	6986.000	59.683%	932.100
2	06:20:00	102400.000	6991.000	0.000	7825.000	7704.000	7150.000	59.030%	942.500
3	06:20:43	102200.000	6816.000	0.000	7620.000	7463.000	7003.000	59.538%	938.400
x		102300.000	6907.000	0.000	7700.000	7542.000	7046.000	59.417%	937.700
σ		121.100	87.620	0.000	109.200	140.300	90.420	0.343%	5.218
%RSD		0.118	1.269	0.000	1.418	1.860	1.283	0.577	0.556

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	171.400	144.100	3524.000	229600.000	231400.000	87.870	197.300	149.100
2	06:20:00	172.400	146.100	3616.000	234400.000	235900.000	89.510	200.100	151.900
3	06:20:43	172.000	145.100	3562.000	232300.000	235200.000	88.420	196.300	150.100
x		171.900	145.100	3568.000	232100.000	234100.000	88.600	197.900	150.400
σ		0.472	0.967	46.340	2396.000	2432.000	0.835	1.965	1.426
%RSD		0.275	0.666	1.299	1.033	1.039	0.943	0.993	0.948

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	151.000	440.100	446.800	81.620	1.826	3.909	0.000	56.130
2	06:20:00	152.500	449.100	452.000	81.990	1.822	4.170	0.000	57.580
3	06:20:43	151.200	446.500	450.700	81.190	2.087	3.015	0.000	57.620
x		151.600	445.200	449.800	81.600	1.912	3.698	0.000	57.110
σ		0.813	4.629	2.720	0.399	0.152	0.606	0.000	0.847
%RSD		0.537	1.040	0.605	0.489	7.937	16.380	0.000	1.483

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	0.000	8.927	9.292	52.852%	0.323	0.208	1.298	0.983
2	06:20:00	0.000	9.062	9.473	52.033%	0.342	0.232	1.127	0.947
3	06:20:43	0.000	9.021	9.237	52.091%	0.356	0.273	1.322	0.987
x		0.000	9.003	9.334	52.325%	0.340	0.238	1.249	0.972
σ		0.000	0.069	0.124	0.457%	0.017	0.033	0.106	0.022
%RSD		0.000	0.771	1.323	0.873	4.921	13.760	8.507	2.241

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	59.683%	1.741	1.306	1.271	655.000	650.800	66.537%	66.273%
2	06:20:00	59.548%	1.792	1.332	1.337	673.500	667.400	66.735%	66.659%
3	06:20:43	59.669%	1.707	1.251	1.272	658.300	661.900	68.092%	67.962%
x		59.633%	1.747	1.296	1.293	662.300	660.100	67.121%	66.965%
σ		0.074%	0.043	0.041	0.038	9.893	8.474	0.847%	0.885%
%RSD		0.124	2.458	3.189	2.942	1.494	1.284	1.261	1.322

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:17	1.297	1.230	110.900	109.500	110.100	63.078%
2	06:20:00	1.320	1.268	115.100	113.800	113.800	63.431%
3	06:20:43	1.356	1.310	116.500	114.700	114.900	63.472%
x		1.324	1.269	114.200	112.700	112.900	63.327%
σ		0.030	0.040	2.896	2.751	2.543	0.217%
%RSD		2.255	3.158	2.536	2.441	2.252	0.342

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	67.209%	1.138	4.723	5.282	0.000	82.950	4357.000	4326.000
2	06:28:13	68.069%	1.225	4.743	4.931	0.000	81.730	4275.000	4226.000
3	06:28:56	66.572%	1.215	5.521	5.003	0.000	86.440	4422.000	4415.000
x		67.283%	1.193	4.996	5.072	0.000	83.710	4352.000	4323.000
σ		0.752%	0.048	0.455	0.186	0.000	2.446	73.690	94.640
%RSD		1.117	3.991	9.107	3.658	0.000	2.923	1.693	2.189
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	20860.000	1399.000	0.000	1412.000	1532.000	1444.000	65.523%	191.500
2	06:28:13	20300.000	1359.000	0.000	1451.000	1562.000	1429.000	64.677%	186.000
3	06:28:56	21200.000	1412.000	0.000	1515.000	1606.000	1482.000	63.166%	195.900
x		20790.000	1390.000	0.000	1459.000	1567.000	1452.000	64.455%	191.100
σ		453.900	27.690	0.000	52.050	37.450	27.390	1.194%	4.969
%RSD		2.184	1.992	0.000	3.567	2.390	1.887	1.853	2.600
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	34.550	28.720	640.900	45820.000	45190.000	17.590	40.870	29.740
2	06:28:13	32.940	28.190	632.900	45060.000	44640.000	17.160	40.020	28.790
3	06:28:56	35.340	29.880	649.400	47420.000	46580.000	18.150	41.080	30.760
x		34.280	28.930	641.100	46100.000	45470.000	17.630	40.660	29.760
σ		1.225	0.863	8.284	1206.000	1001.000	0.497	0.564	0.987
%RSD		3.574	2.984	1.292	2.616	2.201	2.819	1.387	3.317
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	30.070	97.680	97.490	17.370	0.162	0.236	0.000	9.314
2	06:28:13	28.360	96.290	96.210	16.280	-0.042	-0.446	0.000	9.112
3	06:28:56	30.280	101.400	100.800	17.120	0.062	-0.556	0.000	9.458
x		29.570	98.470	98.160	16.920	0.060	-0.255	0.000	9.294
σ		1.057	2.652	2.360	0.572	0.102	0.429	0.000	0.174
%RSD		3.573	2.694	2.404	3.378	168.700	168.100	0.000	1.871
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	74.324%	1.499	1.541	61.632%	0.063	0.060	0.272	0.193
2	06:28:13	74.889%	1.459	1.379	68.092%	0.057	0.039	0.339	0.248
3	06:28:56	73.069%	1.521	1.605	59.728%	0.061	0.045	0.262	0.208
x		74.094%	1.493	1.508	63.150%	0.060	0.048	0.291	0.216
σ		0.931%	0.031	0.116	4.384%	0.003	0.011	0.042	0.028
%RSD		1.257	2.091	7.718	6.942	5.553	22.310	14.400	13.150
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:27:30	67.407%	0.395	0.277	0.211	134.000	133.800	72.201%	73.088%
2	06:28:13	68.570%	0.384	0.264	0.238	129.800	129.600	74.598%	74.825%
3	06:28:56	66.652%	0.384	0.274	0.279	136.800	137.200	72.332%	72.892%
x		67.543%	0.388	0.272	0.242	133.500	133.500	73.043%	73.602%
σ		0.966%	0.006	0.007	0.034	3.561	3.773	1.348%	1.064%
%RSD		1.431	1.624	2.544	13.980	2.666	2.826	1.845	1.446
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:27:30	0.238	0.224	21.530	21.510	21.300	83.194%		
2	06:28:13	0.212	0.230	21.530	21.070	21.270	83.078%		
3	06:28:56	0.243	0.241	22.630	22.070	22.230	80.584%		
x		0.231	0.232	21.900	21.550	21.600	82.286%		
σ		0.016	0.009	0.636	0.505	0.543	1.475%		
%RSD		7.059	3.901	2.907	2.344	2.513	1.792		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	60.577%	5.593	21.270	20.240	0.000	380.000	22910.000	22720.000
2	06:36:27	60.175%	5.310	20.060	21.380	0.000	381.200	22780.000	22520.000
3	06:37:10	60.620%	5.457	20.440	20.420	0.000	382.100	22680.000	22500.000
x		60.457%	5.454	20.590	20.680	0.000	381.100	22790.000	22580.000
σ		0.246%	0.141	0.621	0.613	0.000	1.032	115.300	123.100
%RSD		0.407	2.595	3.014	2.966	0.000	0.271	0.506	0.545

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	102100.000	7031.000	0.000	7691.000	7441.000	7064.000	59.860%	916.600
2	06:36:27	101100.000	6924.000	0.000	7620.000	7421.000	7137.000	60.275%	924.400
3	06:37:10	100800.000	6913.000	0.000	7696.000	7288.000	7034.000	59.931%	920.900
x		101300.000	6956.000	0.000	7669.000	7383.000	7078.000	60.022%	920.600
σ		660.600	64.950	0.000	42.360	82.730	53.170	0.222%	3.908
%RSD		0.652	0.934	0.000	0.552	1.121	0.751	0.370	0.424

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	179.500	147.000	3713.000	235500.000	238800.000	86.610	200.900	144.500
2	06:36:27	177.600	146.500	3683.000	237000.000	237400.000	85.720	201.700	142.900
3	06:37:10	177.400	145.800	3722.000	236500.000	238000.000	85.270	200.500	143.400
x		178.200	146.400	3706.000	236300.000	238100.000	85.870	201.100	143.600
σ		1.114	0.612	20.180	768.900	699.700	0.684	0.609	0.842
%RSD		0.625	0.418	0.544	0.325	0.294	0.797	0.303	0.587

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	147.300	433.000	437.400	84.140	2.050	2.357	0.000	55.860
2	06:36:27	146.600	434.000	436.000	84.460	1.905	2.173	0.000	56.980
3	06:37:10	142.900	429.300	436.800	83.660	1.842	2.322	0.000	57.090
x		145.600	432.100	436.700	84.090	1.932	2.284	0.000	56.640
σ		2.337	2.515	0.688	0.401	0.107	0.097	0.000	0.683
%RSD		1.605	0.582	0.157	0.477	5.525	4.262	0.000	1.205

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	0.000	8.214	8.644	53.230%	0.303	0.223	1.332	0.992
2	06:36:27	0.000	8.568	8.502	52.865%	0.331	0.241	1.300	1.026
3	06:37:10	0.000	8.630	8.533	52.919%	0.281	0.235	1.294	1.026
x		0.000	8.471	8.560	53.004%	0.305	0.233	1.309	1.015
σ		0.000	0.225	0.074	0.197%	0.025	0.009	0.020	0.019
%RSD		0.000	2.654	0.868	0.372	8.213	4.046	1.536	1.910

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	60.470%	1.123	1.148	1.226	663.000	659.600	69.134%	68.943%
2	06:36:27	60.440%	1.145	1.287	1.303	665.000	665.900	69.958%	69.931%
3	06:37:10	61.086%	1.069	1.214	1.208	661.000	660.000	70.658%	70.434%
x		60.665%	1.112	1.216	1.246	663.000	661.900	69.916%	69.769%
σ		0.365%	0.039	0.070	0.050	1.990	3.545	0.763%	0.759%
%RSD		0.601	3.517	5.717	4.039	0.300	0.536	1.091	1.087

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:44	1.238	1.214	110.700	109.200	109.500	68.862%
2	06:36:27	1.276	1.299	113.500	110.800	111.700	70.215%
3	06:37:10	1.244	1.296	113.200	112.100	112.500	70.502%
x		1.253	1.270	112.500	110.700	111.200	69.860%
σ		0.021	0.048	1.580	1.470	1.572	0.876%
%RSD		1.636	3.807	1.404	1.327	1.414	1.254

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	56.831%	49.400	837.600	839.100	0.000	48480.000	73520.000	72970.000
2	06:44:41	56.513%	49.430	838.300	821.600	0.000	47210.000	71780.000	71010.000
3	06:45:24	55.413%	50.310	868.400	862.900	0.000	49160.000	74730.000	74060.000
x		56.252%	49.710	848.100	841.200	0.000	48280.000	73340.000	72680.000
σ		0.744%	0.520	17.580	20.710	0.000	989.600	1482.000	1549.000
%RSD		1.323	1.046	2.073	2.462	0.000	2.050	2.020	2.131
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	160100.000	20940.000	0.000	56020.000	51730.000	52780.000	56.136%	1923.000
2	06:44:41	155500.000	20230.000	0.000	55140.000	51260.000	52270.000	55.771%	1884.000
3	06:45:24	161300.000	21020.000	0.000	57060.000	52620.000	53730.000	55.006%	1937.000
x		159000.000	20730.000	0.000	56070.000	51870.000	52930.000	55.637%	1915.000
σ		3061.000	438.400	0.000	964.200	690.400	740.300	0.577%	27.260
%RSD		1.925	2.115	0.000	1.719	1.331	1.399	1.036	1.424
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	720.900	385.900	5407.000	255500.000	257700.000	566.800	674.000	376.100
2	06:44:41	699.400	376.600	5328.000	250100.000	252800.000	547.700	649.300	363.500
3	06:45:24	720.900	387.000	5480.000	258000.000	260600.000	568.400	668.600	374.200
x		713.700	383.200	5405.000	254500.000	257100.000	561.000	664.000	371.300
σ		12.430	5.686	76.360	4047.000	3933.000	11.490	12.950	6.800
%RSD		1.741	1.484	1.413	1.590	1.530	2.049	1.950	1.831
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	380.900	860.700	872.500	119.700	7.941	11.070	0.000	1176.000
2	06:44:41	367.900	846.300	862.300	117.600	7.717	10.250	0.000	1168.000
3	06:45:24	382.400	881.100	896.800	120.600	8.191	9.958	0.000	1215.000
x		377.100	862.700	877.200	119.300	7.950	10.420	0.000	1186.000
σ		7.968	17.480	17.710	1.550	0.237	0.577	0.000	25.120
%RSD		2.113	2.026	2.019	1.300	2.981	5.534	0.000	2.118
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	0.000	1002.000	1002.000	46.813%	45.570	45.100	44.900	41.750
2	06:44:41	0.000	979.200	984.800	47.289%	44.520	44.520	43.390	41.140
3	06:45:24	0.000	1019.000	1022.000	46.114%	46.690	45.900	46.200	42.630
x		0.000	999.900	1003.000	46.739%	45.590	45.170	44.830	41.840
σ		0.000	19.860	18.440	0.591%	1.086	0.692	1.405	0.746
%RSD		0.000	1.986	1.839	1.265	2.382	1.532	3.134	1.784
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:58	53.811%	598.100	137.700	139.000	2702.000	2680.000	62.004%	61.233%
2	06:44:41	54.440%	596.600	138.300	138.300	2632.000	2626.000	63.642%	62.854%
3	06:45:24	53.913%	616.800	141.600	142.200	2747.000	2704.000	62.241%	62.107%
x		54.055%	603.800	139.200	139.800	2694.000	2670.000	62.629%	62.064%
σ		0.337%	11.250	2.116	2.089	57.980	39.740	0.885%	0.811%
%RSD		0.624	1.864	1.520	1.494	2.153	1.488	1.413	1.307
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:43:58	44.960	44.630	152.900	153.300	152.900	54.662%		
2	06:44:41	44.020	43.830	149.500	149.500	149.500	56.682%		
3	06:45:24	45.520	45.480	156.400	155.900	156.000	56.451%		
x		44.830	44.650	153.000	152.900	152.800	55.931%		
σ		0.756	0.828	3.442	3.229	3.283	1.105%		
%RSD		1.686	1.854	2.250	2.112	2.149	1.976		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	56.028%	54.840	982.300	976.500	0.000	53100.000	73610.000	73230.000
2	06:52:55	55.814%	53.440	1000.000	990.700	0.000	53120.000	73660.000	73460.000
3	06:53:38	56.089%	52.220	981.800	977.700	0.000	52250.000	72500.000	71860.000
x		55.977%	53.500	988.200	981.600	0.000	52820.000	73250.000	72850.000
σ		0.145%	1.311	10.590	7.863	0.000	497.900	657.500	868.300
%RSD		0.259	2.451	1.072	0.801	0.000	0.943	0.898	1.192

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	102800.000	17140.000	0.000	58420.000	57790.000	58310.000	52.961%	1999.000
2	06:52:55	102800.000	16930.000	0.000	58890.000	57990.000	58600.000	51.985%	2015.000
3	06:53:38	101400.000	16650.000	0.000	58280.000	57620.000	54110.000	51.965%	1995.000
x		102300.000	16910.000	0.000	58530.000	57800.000	57010.000	52.304%	2003.000
σ		832.900	249.400	0.000	318.700	187.300	2509.000	0.570%	10.550
%RSD		0.814	1.475	0.000	0.544	0.324	4.401	1.089	0.527

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	704.500	357.100	4078.000	230900.000	232900.000	628.100	733.000	406.700
2	06:52:55	711.800	358.600	4132.000	234200.000	235600.000	632.700	729.800	406.800
3	06:53:38	707.200	356.200	4086.000	232300.000	232200.000	618.800	718.500	400.100
x		707.800	357.300	4099.000	232500.000	233600.000	626.500	727.100	404.600
σ		3.703	1.238	29.560	1642.000	1774.000	7.101	7.611	3.851
%RSD		0.523	0.346	0.721	0.707	0.760	1.133	1.047	0.952

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	409.600	890.400	908.200	117.800	10.970	12.310	0.000	1323.000
2	06:52:55	413.100	903.100	913.200	120.000	10.310	13.620	0.000	1335.000
3	06:53:38	402.600	889.500	905.400	116.800	10.370	12.660	0.000	1313.000
x		408.400	894.300	908.900	118.200	10.550	12.860	0.000	1323.000
σ		5.369	7.615	3.900	1.645	0.364	0.678	0.000	10.660
%RSD		1.315	0.852	0.429	1.392	3.451	5.274	0.000	0.805

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	0.000	1241.000	1252.000	44.835%	53.750	53.560	50.180	42.890
2	06:52:55	0.000	1253.000	1274.000	44.205%	54.570	53.630	50.150	43.880
3	06:53:38	0.000	1252.000	1260.000	44.483%	52.730	53.190	50.800	42.500
x		0.000	1249.000	1262.000	44.508%	53.680	53.460	50.380	43.090
σ		0.000	6.534	11.260	0.316%	0.927	0.238	0.366	0.712
%RSD		0.000	0.523	0.892	0.710	1.726	0.445	0.726	1.651

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	54.246%	2035.000	454.200	453.100	2681.000	2657.000	64.274%	64.575%
2	06:52:55	53.971%	2039.000	460.200	462.900	2671.000	2657.000	64.496%	63.709%
3	06:53:38	54.669%	2016.000	457.700	457.300	2660.000	2656.000	64.588%	64.961%
x		54.295%	2030.000	457.400	457.700	2671.000	2656.000	64.453%	64.415%
σ		0.351%	12.030	2.991	4.915	10.500	0.769	0.161%	0.641%
%RSD		0.647	0.592	0.654	1.074	0.393	0.029	0.250	0.996

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:12	52.090	52.530	133.400	132.800	132.900	62.544%
2	06:52:55	53.400	53.770	135.500	136.000	135.700	61.932%
3	06:53:38	52.740	52.390	134.500	132.700	132.900	62.948%
x		52.740	52.900	134.500	133.800	133.800	62.475%
σ		0.652	0.761	1.052	1.904	1.607	0.512%
%RSD		1.235	1.438	0.782	1.422	1.201	0.819

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	58.374%	5.320	30.470	31.410	0.000	411.200	23010.000	22870.000
2	07:01:11	59.657%	4.987	29.570	29.440	0.000	399.000	21950.000	21850.000
3	07:01:54	58.788%	5.504	30.160	29.950	0.000	406.800	22670.000	22600.000
x		58.940%	5.270	30.070	30.270	0.000	405.700	22540.000	22440.000
σ		0.655%	0.262	0.457	1.024	0.000	6.213	542.700	530.200
%RSD		1.111	4.971	1.521	3.383	0.000	1.532	2.408	2.363

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	113000.000	6198.000	0.000	7836.000	7935.000	7484.000	56.951%	894.600
2	07:01:11	107500.000	5860.000	0.000	7563.000	7714.000	7293.000	58.071%	858.400
3	07:01:54	112100.000	6079.000	0.000	7831.000	7838.000	7485.000	57.445%	875.000
x		110800.000	6046.000	0.000	7743.000	7829.000	7420.000	57.489%	876.000
σ		2921.000	171.300	0.000	156.300	111.100	110.300	0.561%	18.080
%RSD		2.636	2.834	0.000	2.018	1.419	1.486	0.976	2.064

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	190.100	149.900	3533.000	263800.000	265700.000	103.700	185.100	162.200
2	07:01:11	183.200	143.100	3408.000	255400.000	257300.000	99.710	178.300	155.200
3	07:01:54	187.400	147.900	3490.000	261000.000	262300.000	101.800	182.900	160.200
x		186.900	147.000	3477.000	260100.000	261800.000	101.800	182.100	159.200
σ		3.457	3.500	63.420	4287.000	4234.000	2.015	3.440	3.635
%RSD		1.850	2.381	1.824	1.648	1.617	1.980	1.889	2.283

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	161.500	433.300	440.200	102.600	2.288	1.743	0.000	52.430
2	07:01:11	155.900	428.100	429.900	100.900	1.638	2.600	0.000	51.360
3	07:01:54	159.200	436.400	445.300	101.300	2.019	1.734	0.000	52.660
x		158.900	432.600	438.500	101.600	1.982	2.026	0.000	52.150
σ		2.814	4.161	7.885	0.919	0.326	0.497	0.000	0.694
%RSD		1.771	0.962	1.798	0.905	16.470	24.550	0.000	1.330

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	0.000	9.210	9.469	50.480%	0.315	0.236	1.435	1.017
2	07:01:11	0.000	8.761	9.127	51.656%	0.307	0.256	1.200	0.910
3	07:01:54	0.000	9.314	9.240	51.091%	0.330	0.258	1.103	0.882
x		0.000	9.095	9.279	51.076%	0.317	0.250	1.246	0.936
σ		0.000	0.294	0.174	0.588%	0.012	0.012	0.171	0.071
%RSD		0.000	3.229	1.873	1.152	3.674	4.817	13.710	7.615

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	58.037%	3.632	2.409	2.330	531.400	528.400	66.668%	65.976%
2	07:01:11	59.325%	3.082	2.093	2.099	522.900	522.100	68.319%	68.594%
3	07:01:54	58.920%	2.963	1.792	1.809	538.400	531.100	68.152%	68.371%
x		58.761%	3.226	2.098	2.079	530.900	527.200	67.713%	67.647%
σ		0.659%	0.357	0.309	0.261	7.768	4.603	0.909%	1.452%
%RSD		1.121	11.080	14.710	12.550	1.463	0.873	1.342	2.146

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:28	1.290	1.273	132.500	130.800	131.200	66.275%
2	07:01:11	1.243	1.250	129.200	127.800	127.900	69.342%
3	07:01:54	1.335	1.330	134.300	133.100	133.600	68.414%
x		1.289	1.285	132.000	130.500	130.900	68.010%
σ		0.046	0.041	2.582	2.667	2.855	1.573%
%RSD		3.580	3.199	1.956	2.043	2.181	2.313

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	57.902%	6.061	28.230	27.780	0.000	394.800	25100.000	24980.000
2	07:09:26	58.521%	6.377	27.900	27.550	0.000	391.400	24930.000	24670.000
3	07:10:09	60.196%	5.677	26.550	25.520	0.000	370.300	23790.000	23580.000
x		58.873%	6.038	27.560	26.950	0.000	385.500	24600.000	24410.000
σ		1.187%	0.350	0.889	1.241	0.000	13.270	713.000	734.200
%RSD		2.016	5.804	3.227	4.604	0.000	3.443	2.898	3.008

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	123300.000	7269.000	0.000	7294.000	11530.000	10660.000	57.555%	965.100
2	07:09:26	122400.000	7186.000	0.000	7285.000	11440.000	10650.000	56.556%	966.700
3	07:10:09	116700.000	6783.000	0.000	6979.000	10820.000	10300.000	57.719%	931.500
x		120800.000	7079.000	0.000	7186.000	11260.000	10540.000	57.277%	954.400
σ		3547.000	260.200	0.000	179.200	386.200	204.100	0.629%	19.880
%RSD		2.936	3.675	0.000	2.494	3.430	1.937	1.099	2.083

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	212.600	160.400	4912.000	255600.000	257300.000	85.700	202.700	175.500
2	07:09:26	209.400	157.700	4935.000	255100.000	256900.000	85.480	200.000	172.800
3	07:10:09	202.800	153.600	4820.000	247400.000	249200.000	81.640	193.900	167.300
x		208.200	157.200	4889.000	252700.000	254500.000	84.270	198.900	171.800
σ		4.988	3.407	60.600	4629.000	4553.000	2.280	4.468	4.174
%RSD		2.395	2.167	1.240	1.832	1.789	2.706	2.247	2.429

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	175.700	472.300	481.000	97.390	2.269	2.246	0.000	77.290
2	07:09:26	172.900	471.600	473.000	95.220	2.415	3.358	0.000	77.050
3	07:10:09	168.100	462.300	462.700	94.700	2.571	2.257	0.000	75.450
x		172.200	468.700	472.200	95.770	2.418	2.621	0.000	76.600
σ		3.871	5.561	9.173	1.423	0.152	0.639	0.000	0.997
%RSD		2.248	1.186	1.943	1.486	6.264	24.380	0.000	1.302

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	0.000	12.000	12.130	50.110%	0.437	0.368	1.745	1.371
2	07:09:26	0.000	12.250	12.300	50.683%	0.441	0.350	1.632	1.367
3	07:10:09	0.000	11.580	11.830	50.281%	0.398	0.311	1.650	1.241
x		0.000	11.940	12.090	50.358%	0.425	0.343	1.676	1.326
σ		0.000	0.341	0.237	0.294%	0.024	0.029	0.061	0.074
%RSD		0.000	2.855	1.958	0.584	5.580	8.496	3.640	5.592

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	57.306%	1.926	6.579	6.885	799.300	794.300	65.518%	64.849%
2	07:09:26	57.488%	1.789	6.877	6.625	802.700	797.700	66.360%	65.989%
3	07:10:09	58.177%	1.591	6.512	6.365	775.600	775.800	67.559%	67.442%
x		57.657%	1.769	6.656	6.625	792.500	789.300	66.479%	66.093%
σ		0.460%	0.168	0.194	0.260	14.750	11.780	1.026%	1.300%
%RSD		0.797	9.521	2.921	3.923	1.861	1.493	1.543	1.966

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	1.553	1.536	140.600	138.900	138.300	59.829%
2	07:09:26	1.494	1.532	139.100	136.600	137.500	62.168%
3	07:10:09	1.528	1.509	135.500	133.300	134.000	63.443%
x		1.525	1.526	138.400	136.300	136.600	61.813%
σ		0.029	0.014	2.593	2.801	2.300	1.833%
%RSD		1.930	0.933	1.874	2.056	1.684	2.966

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	58.368%	5.806	26.790	26.350	0.000	380.900	28640.000	28530.000
2	07:17:40	58.249%	6.212	26.870	26.060	0.000	387.300	28600.000	28490.000
3	07:18:23	57.865%	5.982	27.790	26.780	0.000	387.400	28810.000	28690.000
x		58.161%	6.000	27.150	26.400	0.000	385.200	28690.000	28570.000
σ		0.263%	0.204	0.554	0.362	0.000	3.729	109.500	104.200
%RSD		0.451	3.394	2.042	1.373	0.000	0.968	0.382	0.365

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	125500.000	6939.000	0.000	9509.000	8267.000	7725.000	58.576%	1012.000
2	07:17:40	125000.000	6877.000	0.000	9418.000	8253.000	7726.000	57.937%	1018.000
3	07:18:23	125400.000	6903.000	0.000	9526.000	8387.000	7767.000	56.960%	1036.000
x		125300.000	6906.000	0.000	9485.000	8302.000	7739.000	57.825%	1022.000
σ		234.600	31.100	0.000	58.050	73.670	23.600	0.814%	12.540
%RSD		0.187	0.450	0.000	0.612	0.887	0.305	1.408	1.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	185.000	161.500	2216.000	240500.000	242100.000	92.950	241.800	180.900
2	07:17:40	183.700	160.600	2243.000	240900.000	242900.000	92.470	242.800	180.200
3	07:18:23	187.200	163.300	2270.000	245200.000	245800.000	92.820	240.500	182.300
x		185.300	161.800	2243.000	242200.000	243600.000	92.750	241.700	181.100
σ		1.799	1.354	27.160	2580.000	1974.000	0.250	1.184	1.092
%RSD		0.971	0.837	1.211	1.065	0.810	0.270	0.490	0.603

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	182.000	450.100	455.900	94.940	1.663	2.700	0.000	69.430
2	07:17:40	180.800	450.400	457.200	95.280	1.474	2.453	0.000	69.550
3	07:18:23	181.600	460.900	465.200	96.500	1.360	2.206	0.000	71.100
x		181.400	453.800	459.400	95.570	1.499	2.453	0.000	70.030
σ		0.638	6.153	5.013	0.823	0.153	0.247	0.000	0.931
%RSD		0.352	1.356	1.091	0.862	10.200	10.070	0.000	1.329

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	0.000	8.398	8.403	51.386%	0.292	0.195	1.242	0.933
2	07:17:40	0.000	7.932	8.227	50.853%	0.272	0.204	1.283	0.934
3	07:18:23	0.000	8.610	8.676	50.013%	0.271	0.189	1.414	0.931
x		0.000	8.313	8.435	50.751%	0.278	0.196	1.313	0.932
σ		0.000	0.347	0.226	0.692%	0.012	0.008	0.090	0.001
%RSD		0.000	4.172	2.680	1.364	4.253	3.963	6.853	0.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	58.402%	1.607	0.531	0.484	847.600	837.400	67.916%	67.661%
2	07:17:40	58.501%	1.517	0.537	0.555	843.600	839.600	68.160%	67.769%
3	07:18:23	57.861%	1.446	0.522	0.534	859.000	853.300	67.461%	68.010%
x		58.254%	1.524	0.530	0.524	850.100	843.400	67.846%	67.813%
σ		0.345%	0.081	0.008	0.036	7.966	8.599	0.355%	0.179%
%RSD		0.591	5.292	1.432	6.947	0.937	1.020	0.523	0.264

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:16:57	1.525	1.449	113.600	112.900	113.000	67.837%
2	07:17:40	1.490	1.510	115.300	113.500	114.100	68.245%
3	07:18:23	1.541	1.514	117.300	115.700	116.700	67.327%
x		1.519	1.491	115.400	114.100	114.600	67.803%
σ		0.026	0.036	1.832	1.496	1.908	0.460%
%RSD		1.693	2.434	1.587	1.312	1.666	0.679

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	58.732%	4.528	20.870	20.340	0.000	327.600	17890.000	17670.000
2	07:25:52	58.608%	4.386	21.030	20.650	0.000	335.400	18020.000	17900.000
3	07:26:35	59.457%	4.072	19.820	18.910	0.000	317.800	17090.000	16920.000
x		58.932%	4.329	20.570	19.970	0.000	327.000	17670.000	17500.000
σ		0.459%	0.233	0.659	0.925	0.000	8.811	504.600	514.800
%RSD		0.778	5.387	3.204	4.631	0.000	2.695	2.856	2.942

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	77000.000	6629.000	0.000	7227.000	5274.000	5075.000	58.336%	855.500
2	07:25:52	77890.000	6762.000	0.000	7508.000	5705.000	5238.000	56.997%	884.500
3	07:26:35	73480.000	6304.000	0.000	7028.000	5151.000	4986.000	58.435%	825.500
x		76120.000	6565.000	0.000	7254.000	5377.000	5100.000	57.923%	855.200
σ		2331.000	235.400	0.000	241.200	291.000	127.800	0.803%	29.510
%RSD		3.063	3.586	0.000	3.325	5.413	2.505	1.386	3.451

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	138.400	142.300	4470.000	208000.000	208300.000	81.770	214.500	112.100
2	07:25:52	143.100	147.200	4650.000	215400.000	214300.000	83.240	218.800	114.800
3	07:26:35	134.100	138.100	4339.000	201000.000	202600.000	79.140	207.200	108.600
x		138.600	142.500	4486.000	208100.000	208400.000	81.380	213.500	111.800
σ		4.521	4.552	156.000	7162.000	5899.000	2.080	5.857	3.140
%RSD		3.263	3.194	3.477	3.441	2.831	2.556	2.743	2.808

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	114.700	429.400	433.700	46.260	1.552	2.352	0.000	39.460
2	07:25:52	117.300	439.300	448.100	46.770	1.611	1.683	0.000	40.820
3	07:26:35	109.300	419.400	421.400	43.340	1.517	1.171	0.000	38.330
x		113.800	429.300	434.400	45.460	1.560	1.735	0.000	39.540
σ		4.079	9.940	13.360	1.851	0.048	0.592	0.000	1.243
%RSD		3.586	2.315	3.076	4.072	3.075	34.140	0.000	3.144

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	0.000	8.039	8.105	51.553%	0.253	0.160	1.681	1.353
2	07:25:52	0.000	8.755	8.722	50.331%	0.283	0.176	1.731	1.337
3	07:26:35	0.000	8.138	8.347	51.719%	0.252	0.142	1.575	1.251
x		0.000	8.310	8.392	51.201%	0.263	0.159	1.662	1.314
σ		0.000	0.388	0.311	0.758%	0.018	0.017	0.080	0.055
%RSD		0.000	4.670	3.701	1.481	6.675	10.450	4.786	4.202

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	58.354%	1.585	0.429	0.433	418.500	415.800	67.564%	67.483%
2	07:25:52	58.007%	1.711	0.465	0.450	425.300	425.100	67.575%	66.995%
3	07:26:35	59.271%	1.532	0.481	0.421	402.000	400.800	69.067%	69.347%
x		58.544%	1.609	0.458	0.435	415.300	413.900	68.069%	67.941%
σ		0.654%	0.092	0.027	0.014	12.000	12.280	0.864%	1.241%
%RSD		1.116	5.697	5.858	3.295	2.891	2.966	1.270	1.827

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:25:09	1.013	1.000	92.640	91.510	92.080	67.517%
2	07:25:52	1.048	1.031	96.610	94.840	95.480	67.723%
3	07:26:35	0.982	0.951	91.500	90.210	90.550	69.816%
x		1.014	0.994	93.580	92.190	92.700	68.352%
σ		0.033	0.040	2.684	2.386	2.525	1.272%
%RSD		3.259	4.066	2.868	2.588	2.724	1.861

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	59.019%	5.767	19.840	20.260	0.000	409.900	23150.000	22860.000
2	07:34:04	58.388%	5.838	20.020	20.260	0.000	408.600	22980.000	22630.000
3	07:34:48	58.249%	5.232	19.550	20.170	0.000	411.700	22790.000	22620.000
x		58.552%	5.613	19.800	20.230	0.000	410.100	22970.000	22700.000
σ		0.410%	0.331	0.234	0.055	0.000	1.555	175.800	134.200
%RSD		0.701	5.902	1.182	0.272	0.000	0.379	0.765	0.591

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	117200.000	7493.000	0.000	7545.000	13450.000	12670.000	56.871%	1108.000
2	07:34:04	117000.000	7365.000	0.000	7544.000	13260.000	12690.000	56.959%	1094.000
3	07:34:48	115900.000	7320.000	0.000	7436.000	13660.000	12750.000	56.515%	1093.000
x		116700.000	7393.000	0.000	7508.000	13460.000	12700.000	56.782%	1098.000
σ		715.700	89.930	0.000	62.940	199.700	41.980	0.235%	8.161
%RSD		0.613	1.216	0.000	0.838	1.484	0.331	0.413	0.743

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	207.900	153.700	4621.000	230900.000	231400.000	89.670	185.200	142.200
2	07:34:04	204.000	152.500	4614.000	228500.000	229000.000	88.520	181.300	139.500
3	07:34:48	203.000	151.000	4617.000	227000.000	229800.000	88.560	181.300	139.900
x		205.000	152.400	4617.000	228800.000	230000.000	88.920	182.600	140.600
σ		2.567	1.366	3.814	1962.000	1191.000	0.652	2.244	1.433
%RSD		1.252	0.896	0.083	0.858	0.518	0.733	1.229	1.019

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	140.800	449.700	455.300	80.050	2.171	3.488	0.000	70.000
2	07:34:04	140.200	448.900	456.300	81.310	2.093	2.558	0.000	71.330
3	07:34:48	139.500	450.800	454.900	79.980	2.138	3.515	0.000	71.330
x		140.200	449.800	455.500	80.450	2.134	3.187	0.000	70.890
σ		0.634	0.968	0.749	0.748	0.039	0.545	0.000	0.768
%RSD		0.452	0.215	0.164	0.930	1.826	17.100	0.000	1.083

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	0.000	10.080	9.901	50.611%	0.410	0.322	1.536	1.380
2	07:34:04	0.000	10.040	10.180	49.987%	0.444	0.350	1.726	1.248
3	07:34:48	0.000	10.290	9.782	49.760%	0.415	0.309	1.548	1.244
x		0.000	10.140	9.954	50.120%	0.423	0.327	1.603	1.291
σ		0.000	0.136	0.203	0.441%	0.018	0.021	0.106	0.077
%RSD		0.000	1.342	2.038	0.879	4.273	6.489	6.622	5.974

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	57.313%	1.305	0.416	0.399	693.000	689.300	64.165%	63.825%
2	07:34:04	57.745%	1.311	0.395	0.375	695.300	697.600	64.682%	64.704%
3	07:34:48	56.990%	1.230	0.409	0.377	696.300	694.300	65.545%	65.126%
x		57.349%	1.282	0.407	0.384	694.900	693.700	64.797%	64.552%
σ		0.379%	0.045	0.011	0.013	1.679	4.199	0.697%	0.664%
%RSD		0.661	3.525	2.628	3.458	0.242	0.605	1.076	1.029

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:33:22	1.525	1.469	129.500	127.000	128.100	60.151%
2	07:34:04	1.503	1.516	131.800	128.400	129.400	60.761%
3	07:34:48	1.517	1.478	131.300	128.400	129.500	61.976%
x		1.515	1.488	130.900	128.000	129.000	60.963%
σ		0.011	0.025	1.221	0.819	0.795	0.929%
%RSD		0.729	1.698	0.933	0.640	0.617	1.524

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	63.143%	105.100	101.300	102.600	0.000	51310.000	50930.000	50600.000
2	07:42:19	62.247%	103.900	105.400	103.600	0.000	50880.000	50570.000	50190.000
3	07:43:01	62.479%	102.300	103.800	102.000	0.000	49670.000	49480.000	49070.000
x		62.623%	103.782%	103.494%	102.728%	0.000	101.244%	100.655%	99.904%
σ		0.465%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.742	1.371	2.011	0.804	0.000	1.681	1.494	1.585
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	518.300	5353.000	0.000	50470.000	48460.000	49400.000	59.717%	101.300
2	07:42:19	512.600	5272.000	0.000	50600.000	49350.000	46270.000	57.864%	100.100
3	07:43:01	499.300	5095.000	0.000	49170.000	47450.000	48360.000	57.540%	99.230
x		102.010%	104.802%	0.000	100.160%	96.839%	96.011%	58.374%	100.218%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.175%	n/a
%RSD		1.905	2.516	0.000	1.576	1.966	3.320	2.013	1.047
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	101.000	101.400	465.300	25700.000	23960.000	103.000	107.000	105.500
2	07:42:19	100.400	100.700	468.800	25770.000	23930.000	101.800	103.500	103.800
3	07:43:01	98.670	98.060	459.600	25280.000	23580.000	99.320	102.500	100.300
x		100.031%	100.079%	92.914%	102.336%	95.296%	101.385%	104.335%	103.210%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.225	1.781	0.995	1.029	0.877	1.867	2.288	2.562
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	104.600	98.600	96.930	103.200	102.600	102.800	0.000	98.900
2	07:42:19	102.700	98.560	97.580	100.700	100.600	100.100	0.000	97.220
3	07:43:01	100.200	96.760	97.120	99.750	101.200	98.920	0.000	96.450
x		102.505%	97.973%	97.208%	101.221%	101.483%	100.605%	0.000	97.526%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.142	1.075	0.343	1.747	1.005	1.957	0.000	1.286
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	59.738%	106.600	106.900	54.564%	102.600	103.500	101.200	100.400
2	07:42:19	59.988%	106.200	109.600	53.842%	102.000	102.400	99.880	99.380
3	07:43:01	58.906%	106.600	107.500	53.562%	100.600	100.800	99.860	97.670
x		59.544%	106.469%	107.965%	53.989%	101.720%	102.232%	100.322%	99.138%
σ		0.567%	n/a	n/a	0.517%	n/a	n/a	n/a	n/a
%RSD		0.952	0.209	1.303	0.957	1.026	1.356	0.775	1.376
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:41:35	60.484%	98.960	97.680	97.680	99.960	100.900	66.087%	67.707%
2	07:42:19	60.389%	98.520	96.230	96.100	100.100	98.950	66.334%	67.720%
3	07:43:01	60.444%	96.740	94.890	95.250	96.680	97.230	66.704%	68.023%
x		60.439%	98.074%	96.267%	96.345%	98.913%	99.030%	66.375%	67.817%
σ		0.047%	n/a	n/a	n/a	n/a	n/a	0.311%	0.179%
%RSD		0.078	1.197	1.446	1.280	1.953	1.858	0.468	0.264
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:41:35	93.330	93.120	92.730	92.490	92.670	72.211%		
2	07:42:19	94.020	93.880	94.120	93.330	93.320	72.139%		
3	07:43:01	91.370	90.870	90.940	90.760	90.700	72.663%		
x		92.908%	92.625%	92.597%	92.191%	92.231%	72.338%		
σ		n/a	n/a	n/a	n/a	n/a	0.284%		
%RSD		1.481	1.691	1.719	1.417	1.476	0.393		

CCB7 4/29/2013 7:49:09 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	92.009%	0.021	1.405	1.277	0.000	6.457	7.669	7.282
2	07:50:35	98.682%	0.023	1.012	1.038	0.000	6.380	9.059	8.964
3	07:51:18	96.369%	-0.007	0.979	1.021	0.000	6.943	10.360	9.551
x		95.686%	0.012	1.132	1.112	0.000	6.594	9.030	8.599
σ		3.388%	0.017	0.237	0.143	0.000	0.305	1.347	1.178
%RSD		3.541	134.000	20.970	12.900	0.000	4.629	14.920	13.700

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	2.919	-0.195	0.000	-2.999	1.367	6.810	89.891%	-0.105
2	07:50:35	3.843	0.578	0.000	-3.516	11.460	7.830	95.727%	-0.055
3	07:51:18	4.173	3.171	0.000	-1.810	15.460	8.119	92.389%	-0.100
x		3.645	1.185	0.000	-2.775	9.427	7.586	92.669%	-0.087
σ		0.650	1.763	0.000	0.875	7.260	0.687	2.928%	0.027
%RSD		17.840	148.800	0.000	31.530	77.020	9.060	3.160	31.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	-0.009	-0.021	0.375	5.062	7.101	0.009	0.013	0.038
2	07:50:35	0.030	-0.010	0.497	6.460	9.989	0.014	0.037	0.061
3	07:51:18	0.018	-0.012	0.531	8.861	11.670	0.019	0.019	0.083
x		0.013	-0.014	0.468	6.794	9.588	0.014	0.023	0.061
σ		0.020	0.006	0.082	1.922	2.313	0.005	0.013	0.023
%RSD		150.500	40.380	17.540	28.280	24.120	38.630	55.120	36.850

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	0.071	0.190	0.155	-0.300	-0.136	-0.952	0.000	0.049
2	07:50:35	0.043	0.213	0.160	-0.230	-0.090	-0.733	0.000	0.055
3	07:51:18	0.096	0.265	0.201	-0.253	-0.068	-0.875	0.000	0.060
x		0.070	0.223	0.172	-0.261	-0.098	-0.854	0.000	0.054
σ		0.026	0.038	0.025	0.036	0.035	0.111	0.000	0.005
%RSD		37.520	17.070	14.730	13.620	35.290	12.990	0.000	9.985

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	73.561%	0.279	0.259	74.903%	0.008	0.008	0.142	0.090
2	07:50:35	78.125%	0.232	0.242	89.929%	0.007	0.016	0.057	0.053
3	07:51:18	75.830%	0.239	0.221	87.782%	-0.000	0.019	0.116	0.095
x		75.839%	0.250	0.241	84.205%	0.005	0.014	0.105	0.079
σ		2.282%	0.026	0.019	8.127%	0.004	0.005	0.044	0.023
%RSD		3.009	10.220	8.010	9.651	86.960	37.320	41.790	28.750

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	80.140%	0.176	0.034	0.043	0.047	0.077	82.211%	82.404%
2	07:50:35	85.594%	0.197	0.043	0.056	0.022	0.064	87.247%	87.961%
3	07:51:18	83.500%	0.196	0.045	0.046	0.005	0.066	85.747%	85.821%
x		83.078%	0.189	0.041	0.048	0.025	0.069	85.069%	85.395%
σ		2.751%	0.012	0.006	0.006	0.021	0.007	2.586%	2.803%
%RSD		3.311	6.159	14.300	13.410	85.680	9.615	3.040	3.283

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:49:52	-0.001	0.002	0.025	0.024	0.024	87.922%
2	07:50:35	-0.002	0.003	0.028	0.031	0.027	95.338%
3	07:51:18	0.007	0.001	0.029	0.044	0.032	92.544%
x		0.001	0.002	0.027	0.033	0.028	91.935%
σ		0.005	0.001	0.002	0.010	0.004	3.746%
%RSD		435.300	67.620	8.294	29.860	15.910	4.074

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	58.218%	4.559	29.280	28.720	0.000	548.600	24640.000	24290.000
2	07:58:51	58.363%	5.113	28.890	29.040	0.000	541.200	24380.000	24290.000
3	07:59:34	58.448%	4.703	29.960	29.310	0.000	533.400	24010.000	23980.000
x		58.343%	4.792	29.370	29.020	0.000	541.100	24340.000	24190.000
σ		0.116%	0.287	0.539	0.297	0.000	7.634	318.100	179.300
%RSD		0.199	5.999	1.835	1.025	0.000	1.411	1.307	0.741

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	81300.000	7566.000	0.000	7930.000	38100.000	36120.000	56.963%	1001.000
2	07:58:51	81380.000	7541.000	0.000	7925.000	38540.000	35930.000	56.762%	983.300
3	07:59:34	79640.000	7409.000	0.000	7812.000	38620.000	35900.000	56.531%	986.700
x		80770.000	7505.000	0.000	7889.000	38420.000	35980.000	56.752%	990.400
σ		983.000	84.740	0.000	66.670	281.400	120.000	0.216%	9.476
%RSD		1.217	1.129	0.000	0.845	0.732	0.334	0.381	0.957

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	131.000	142.000	3973.000	171400.000	173600.000	85.170	210.600	141.800
2	07:58:51	129.100	140.200	3987.000	171100.000	172500.000	84.460	208.800	138.800
3	07:59:34	128.300	139.500	3975.000	169900.000	171500.000	84.400	205.800	138.100
x		129.500	140.500	3978.000	170800.000	172500.000	84.680	208.400	139.600
σ		1.374	1.291	7.645	798.700	1060.000	0.426	2.429	1.980
%RSD		1.061	0.919	0.192	0.468	0.614	0.503	1.165	1.418

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	142.500	335.100	338.800	54.630	1.591	2.508	0.000	101.200
2	07:58:51	140.800	337.000	345.800	56.100	1.916	2.707	0.000	102.300
3	07:59:34	139.200	333.000	337.700	54.040	1.787	2.340	0.000	102.000
x		140.800	335.100	340.800	54.920	1.765	2.518	0.000	101.800
σ		1.654	2.017	4.395	1.061	0.164	0.184	0.000	0.586
%RSD		1.174	0.602	1.290	1.932	9.264	7.295	0.000	0.575

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	0.000	7.666	7.480	50.204%	0.261	0.172	1.498	1.151
2	07:58:51	0.000	7.695	7.689	49.633%	0.241	0.144	1.499	1.110
3	07:59:34	0.000	7.784	7.637	49.947%	0.282	0.166	1.377	1.041
x		0.000	7.715	7.602	49.928%	0.261	0.161	1.458	1.101
σ		0.000	0.061	0.109	0.286%	0.020	0.015	0.070	0.055
%RSD		0.000	0.794	1.434	0.572	7.757	9.343	4.799	5.029

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	56.429%	1.464	0.326	0.285	537.400	536.300	63.713%	63.657%
2	07:58:51	57.028%	1.431	0.317	0.331	538.500	531.400	64.674%	64.536%
3	07:59:34	57.264%	1.196	0.295	0.289	529.900	525.100	65.756%	65.156%
x		56.907%	1.364	0.313	0.301	535.300	530.900	64.714%	64.450%
σ		0.431%	0.146	0.016	0.026	4.712	5.643	1.022%	0.753%
%RSD		0.757	10.700	5.114	8.512	0.880	1.063	1.580	1.168

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:58:08	0.976	0.941	101.200	101.000	101.100	61.110%
2	07:58:51	0.934	0.988	103.200	101.700	102.600	61.495%
3	07:59:34	0.956	0.976	103.300	101.900	102.100	62.054%
x		0.955	0.968	102.600	101.600	101.900	61.553%
σ		0.021	0.025	1.188	0.474	0.810	0.475%
%RSD		2.167	2.542	1.158	0.467	0.795	0.772

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	57.226%	7.256	20.280	21.460	0.000	394.400	30910.000	30880.000
2	08:07:05	56.877%	6.653	20.350	21.760	0.000	391.600	31050.000	30850.000
3	08:07:48	56.724%	7.156	21.260	21.420	0.000	397.100	31250.000	31030.000
x		56.942%	7.022	20.630	21.550	0.000	394.400	31070.000	30920.000
σ		0.258%	0.323	0.547	0.186	0.000	2.732	171.800	93.450
%RSD		0.452	4.605	2.652	0.861	0.000	0.693	0.553	0.302

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	120500.000	7108.000	0.000	8552.000	7141.000	7027.000	57.013%	1095.000
2	08:07:05	120200.000	7039.000	0.000	8449.000	7252.000	6947.000	57.172%	1092.000
3	08:07:48	120700.000	7050.000	0.000	8581.000	7501.000	7023.000	55.230%	1106.000
x		120500.000	7066.000	0.000	8527.000	7298.000	6999.000	56.472%	1097.000
σ		249.700	36.990	0.000	69.180	184.400	45.280	1.078%	7.281
%RSD		0.207	0.524	0.000	0.811	2.526	0.647	1.909	0.663

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	198.700	159.000	5174.000	265600.000	267800.000	128.500	269.100	183.300
2	08:07:05	197.900	159.900	5169.000	266400.000	267500.000	127.800	264.900	178.600
3	08:07:48	199.800	161.000	5256.000	270500.000	271200.000	128.500	272.200	182.100
x		198.800	160.000	5200.000	267500.000	268800.000	128.300	268.700	181.300
σ		0.945	1.014	49.290	2594.000	2070.000	0.452	3.637	2.424
%RSD		0.475	0.634	0.948	0.970	0.770	0.352	1.354	1.337

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	181.700	558.800	566.500	106.300	1.869	3.253	0.000	61.990
2	08:07:05	181.700	555.700	566.300	104.300	1.831	2.033	0.000	62.450
3	08:07:48	182.800	565.100	573.800	105.600	1.998	3.309	0.000	63.710
x		182.100	559.900	568.900	105.400	1.899	2.865	0.000	62.720
σ		0.619	4.781	4.275	1.022	0.087	0.721	0.000	0.887
%RSD		0.340	0.854	0.751	0.970	4.604	25.170	0.000	1.414

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	0.000	9.693	9.686	49.782%	0.298	0.221	2.010	1.643
2	08:07:05	0.000	9.751	9.788	49.913%	0.306	0.238	1.870	1.655
3	08:07:48	0.000	9.983	10.100	48.987%	0.299	0.226	2.060	1.625
x		0.000	9.809	9.859	49.561%	0.301	0.228	1.980	1.641
σ		0.000	0.154	0.218	0.501%	0.004	0.009	0.099	0.015
%RSD		0.000	1.566	2.215	1.011	1.415	3.842	4.980	0.911

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	56.818%	1.406	0.631	0.645	813.600	808.700	66.993%	66.292%
2	08:07:05	57.451%	1.294	0.671	0.675	814.400	811.800	67.842%	67.550%
3	08:07:48	56.673%	1.113	0.654	0.740	822.500	814.600	66.646%	66.445%
x		56.981%	1.271	0.652	0.687	816.800	811.700	67.160%	66.762%
σ		0.413%	0.148	0.020	0.049	4.882	2.945	0.615%	0.686%
%RSD		0.726	11.650	3.118	7.088	0.598	0.363	0.916	1.028

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:06:22	1.410	1.406	138.400	136.300	136.300	67.736%
2	08:07:05	1.445	1.419	140.700	138.700	139.200	67.436%
3	08:07:48	1.416	1.413	141.900	140.300	140.700	64.352%
x		1.423	1.413	140.400	138.400	138.800	66.508%
σ		0.019	0.007	1.791	1.992	2.250	1.873%
%RSD		1.314	0.461	1.276	1.439	1.622	2.816

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	57.945%	5.427	20.890	20.270	0.000	362.500	24790.000	24670.000
2	08:15:19	58.185%	5.637	18.570	19.970	0.000	359.300	24470.000	24400.000
3	08:16:02	57.834%	5.197	20.690	20.750	0.000	361.600	24630.000	24440.000
x		57.988%	5.420	20.050	20.330	0.000	361.100	24630.000	24500.000
σ		0.179%	0.220	1.287	0.394	0.000	1.666	158.400	149.400
%RSD		0.309	4.062	6.420	1.936	0.000	0.461	0.643	0.610

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	92880.000	6009.000	0.000	9140.000	13370.000	12520.000	57.253%	870.900
2	08:15:19	92270.000	5966.000	0.000	9087.000	13310.000	12620.000	56.457%	873.900
3	08:16:02	91890.000	5901.000	0.000	9109.000	13510.000	12620.000	56.186%	878.400
x		92350.000	5959.000	0.000	9112.000	13390.000	12590.000	56.632%	874.400
σ		504.000	54.400	0.000	26.620	105.000	57.760	0.554%	3.815
%RSD		0.546	0.913	0.000	0.292	0.784	0.459	0.979	0.436

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	148.200	166.600	3549.000	226100.000	226300.000	115.700	249.500	160.200
2	08:15:19	146.200	165.700	3568.000	225100.000	226400.000	115.400	249.400	157.400
3	08:16:02	148.500	167.300	3586.000	226000.000	225900.000	114.400	249.700	157.700
x		147.700	166.500	3568.000	225700.000	226200.000	115.200	249.600	158.400
σ		1.263	0.813	18.650	520.300	247.500	0.672	0.151	1.502
%RSD		0.855	0.488	0.523	0.231	0.109	0.584	0.061	0.948

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	160.100	428.300	437.400	68.520	1.201	2.416	0.000	64.330
2	08:15:19	158.300	432.600	438.500	68.270	1.075	2.374	0.000	64.300
3	08:16:02	157.500	432.300	440.900	69.130	1.575	2.138	0.000	64.250
x		158.600	431.100	438.900	68.640	1.284	2.310	0.000	64.290
σ		1.360	2.405	1.787	0.445	0.260	0.150	0.000	0.043
%RSD		0.857	0.558	0.407	0.648	20.270	6.484	0.000	0.066

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	0.000	7.516	7.938	50.676%	0.262	0.153	1.656	1.364
2	08:15:19	0.000	7.469	7.716	50.479%	0.260	0.146	1.553	1.179
3	08:16:02	0.000	7.585	7.778	49.961%	0.252	0.135	1.359	1.033
x		0.000	7.523	7.811	50.372%	0.258	0.144	1.523	1.192
σ		0.000	0.058	0.115	0.369%	0.005	0.009	0.151	0.166
%RSD		0.000	0.776	1.465	0.733	2.099	6.014	9.895	13.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	57.420%	1.050	0.236	0.285	566.800	561.700	65.937%	65.926%
2	08:15:19	57.262%	1.131	0.241	0.240	563.800	562.400	66.564%	65.829%
3	08:16:02	57.407%	1.194	0.251	0.262	560.000	559.100	66.897%	66.280%
x		57.363%	1.125	0.243	0.262	563.500	561.100	66.466%	66.012%
σ		0.088%	0.072	0.007	0.022	3.373	1.721	0.487%	0.237%
%RSD		0.153	6.378	3.070	8.470	0.599	0.307	0.733	0.360

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:14:36	1.112	1.129	112.100	110.500	111.400	67.589%
2	08:15:19	1.121	1.154	114.900	114.500	114.200	67.358%
3	08:16:02	1.133	1.122	114.400	112.600	112.600	68.077%
x		1.122	1.135	113.800	112.500	112.700	67.674%
σ		0.011	0.017	1.473	1.999	1.399	0.367%
%RSD		0.957	1.478	1.294	1.776	1.241	0.543

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	57.614%	4.278	16.940	17.290	0.000	403.800	23130.000	22920.000
2	08:23:34	57.258%	4.391	17.390	17.090	0.000	401.800	23040.000	22790.000
3	08:24:17	57.958%	4.388	17.360	17.750	0.000	396.000	22820.000	22550.000
x		57.610%	4.353	17.230	17.380	0.000	400.600	23000.000	22750.000
σ		0.350%	0.064	0.254	0.340	0.000	4.053	159.000	187.200
%RSD		0.607	1.478	1.475	1.957	0.000	1.012	0.691	0.823
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	107500.000	6451.000	0.000	7000.000	7182.000	6757.000	56.211%	1140.000
2	08:23:34	107000.000	6401.000	0.000	7057.000	7095.000	6730.000	56.191%	1124.000
3	08:24:17	106200.000	6293.000	0.000	6939.000	7066.000	6739.000	55.839%	1134.000
x		106900.000	6381.000	0.000	6999.000	7115.000	6742.000	56.080%	1133.000
σ		676.400	80.900	0.000	59.080	60.610	13.580	0.209%	7.922
%RSD		0.633	1.268	0.000	0.844	0.852	0.201	0.373	0.700
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	193.200	144.300	2682.000	222500.000	222900.000	87.570	177.300	142.100
2	08:23:34	190.900	143.000	2671.000	220700.000	222100.000	86.440	174.500	141.800
3	08:24:17	190.800	142.600	2701.000	222700.000	223700.000	86.980	171.000	141.600
x		191.600	143.300	2685.000	222000.000	222900.000	87.000	174.300	141.800
σ		1.385	0.876	15.260	1111.000	789.300	0.565	3.161	0.269
%RSD		0.723	0.611	0.568	0.501	0.354	0.649	1.814	0.189
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	143.900	371.700	374.900	72.870	2.166	1.924	0.000	50.190
2	08:23:34	143.100	367.400	373.600	72.870	2.135	3.671	0.000	50.740
3	08:24:17	145.200	365.100	379.400	73.400	1.989	3.407	0.000	51.340
x		144.100	368.000	376.000	73.050	2.097	3.001	0.000	50.750
σ		1.069	3.355	3.048	0.304	0.095	0.942	0.000	0.574
%RSD		0.742	0.912	0.811	0.416	4.511	31.380	0.000	1.130
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	0.000	9.793	10.010	49.783%	0.267	0.169	1.347	1.034
2	08:23:34	0.000	9.474	10.070	49.734%	0.253	0.184	1.287	0.929
3	08:24:17	0.000	10.190	9.880	49.090%	0.247	0.202	1.312	0.970
x		0.000	9.818	9.987	49.536%	0.255	0.185	1.315	0.978
σ		0.000	0.356	0.098	0.387%	0.010	0.017	0.030	0.053
%RSD		0.000	3.630	0.985	0.781	4.022	8.943	2.290	5.451
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:22:51	56.666%	0.974	0.220	0.232	524.400	520.800	62.868%	63.144%
2	08:23:34	56.936%	1.001	0.215	0.227	517.400	517.600	64.089%	63.962%
3	08:24:17	56.536%	1.027	0.220	0.271	523.400	517.600	64.013%	64.022%
x		56.712%	1.000	0.218	0.243	521.800	518.700	63.657%	63.709%
σ		0.204%	0.026	0.003	0.024	3.797	1.825	0.684%	0.490%
%RSD		0.360	2.621	1.421	9.827	0.728	0.352	1.075	0.769
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:22:51	1.280	1.239	116.300	113.500	114.600	62.511%		
2	08:23:34	1.307	1.261	117.400	115.600	115.800	62.907%		
3	08:24:17	1.291	1.276	118.100	117.100	117.100	63.455%		
x		1.292	1.259	117.300	115.400	115.800	62.958%		
σ		0.014	0.019	0.914	1.825	1.231	0.474%		
%RSD		1.049	1.488	0.780	1.582	1.063	0.753		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	58.319%	5.939	15.320	15.040	0.000	351.900	17260.000	17050.000
2	08:31:49	57.094%	6.441	15.330	15.650	0.000	359.400	17580.000	17450.000
3	08:32:32	57.709%	6.222	14.640	15.190	0.000	356.200	17560.000	17370.000
x		57.708%	6.201	15.100	15.300	0.000	355.900	17470.000	17290.000
σ		0.613%	0.252	0.395	0.320	0.000	3.758	179.900	211.500
%RSD		1.061	4.060	2.618	2.090	0.000	1.056	1.030	1.223

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	113900.000	6407.000	0.000	6509.000	8303.000	7867.000	56.906%	894.000
2	08:31:49	116400.000	6507.000	0.000	6585.000	8279.000	8000.000	55.935%	924.500
3	08:32:32	115000.000	6430.000	0.000	6532.000	8413.000	7920.000	54.561%	920.100
x		115100.000	6448.000	0.000	6542.000	8332.000	7929.000	55.801%	912.900
σ		1264.000	52.120	0.000	39.080	71.240	67.000	1.179%	16.480
%RSD		1.098	0.808	0.000	0.597	0.855	0.845	2.112	1.805

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	225.300	137.800	3839.000	251800.000	253000.000	103.300	146.600	116.300
2	08:31:49	228.200	139.000	3908.000	259000.000	259200.000	105.100	149.300	117.900
3	08:32:32	227.100	139.200	3893.000	256400.000	258300.000	104.100	147.100	116.700
x		226.900	138.700	3880.000	255700.000	256800.000	104.200	147.700	117.000
σ		1.428	0.728	36.110	3670.000	3361.000	0.932	1.472	0.809
%RSD		0.629	0.525	0.931	1.435	1.309	0.895	0.997	0.692

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	117.500	465.900	478.100	85.290	2.323	3.874	0.000	47.850
2	08:31:49	118.600	477.600	482.700	86.880	2.618	3.321	0.000	48.790
3	08:32:32	118.100	476.000	488.700	86.890	2.855	4.366	0.000	49.100
x		118.000	473.100	483.100	86.350	2.598	3.854	0.000	48.580
σ		0.531	6.324	5.335	0.922	0.267	0.523	0.000	0.648
%RSD		0.450	1.337	1.104	1.068	10.260	13.570	0.000	1.334

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	0.000	10.650	10.200	50.727%	0.481	0.387	1.430	1.153
2	08:31:49	0.000	10.970	10.780	49.178%	0.486	0.416	1.467	1.193
3	08:32:32	0.000	10.570	10.760	48.291%	0.537	0.375	1.419	1.134
x		0.000	10.730	10.580	49.399%	0.501	0.393	1.438	1.160
σ		0.000	0.212	0.328	1.233%	0.031	0.022	0.025	0.030
%RSD		0.000	1.977	3.094	2.496	6.234	5.480	1.748	2.590

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	58.344%	0.954	0.190	0.150	682.700	673.000	67.438%	66.877%
2	08:31:49	56.108%	1.094	0.201	0.205	694.700	693.700	65.739%	65.116%
3	08:32:32	55.045%	1.087	0.186	0.226	699.500	695.300	64.053%	63.747%
x		56.499%	1.045	0.192	0.194	692.300	687.400	65.743%	65.247%
σ		1.684%	0.079	0.008	0.039	8.669	12.430	1.692%	1.569%
%RSD		2.981	7.536	4.163	20.380	1.252	1.808	2.574	2.404

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:06	1.451	1.396	139.700	136.500	136.900	67.427%
2	08:31:49	1.545	1.444	143.700	141.200	141.300	63.454%
3	08:32:32	1.487	1.465	143.200	140.000	141.300	59.813%
x		1.494	1.435	142.200	139.200	139.800	63.565%
σ		0.048	0.035	2.189	2.443	2.513	3.809%
%RSD		3.189	2.472	1.539	1.755	1.797	5.992

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	55.423%	8.904	53.310	53.180	0.000	1389.000	51570.000	51450.000
2	08:40:04	56.017%	8.798	54.040	52.020	0.000	1350.000	49820.000	49330.000
3	08:40:47	55.832%	8.761	53.350	53.170	0.000	1350.000	50140.000	49880.000
x		55.757%	8.821	53.570	52.790	0.000	1363.000	50510.000	50220.000
σ		0.304%	0.074	0.411	0.667	0.000	22.310	935.000	1100.000
%RSD		0.545	0.839	0.767	1.264	0.000	1.637	1.851	2.190
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	143800.000	14020.000	0.000	9507.000	176800.000	181400.000	55.947%	1335.000
2	08:40:04	139100.000	13540.000	0.000	9199.000	171600.000	175900.000	56.203%	1289.000
3	08:40:47	139200.000	13660.000	0.000	9312.000	173700.000	177900.000	55.895%	1304.000
x		140700.000	13740.000	0.000	9339.000	174000.000	178400.000	56.015%	1309.000
σ		2706.000	247.700	0.000	155.700	2643.000	2785.000	0.165%	23.400
%RSD		1.923	1.803	0.000	1.667	1.519	1.561	0.294	1.787
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	200.000	160.900	8874.000	245400.000	248700.000	78.520	199.600	158.600
2	08:40:04	192.900	155.300	8703.000	241600.000	243600.000	76.670	198.600	156.800
3	08:40:47	194.500	155.600	8714.000	241300.000	242500.000	75.680	194.900	154.800
x		195.800	157.300	8764.000	242700.000	244900.000	76.950	197.700	156.700
σ		3.702	3.161	95.530	2269.000	3316.000	1.442	2.473	1.894
%RSD		1.891	2.010	1.090	0.935	1.354	1.874	1.251	1.209
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	161.300	399.500	402.300	89.570	2.948	4.225	0.000	348.200
2	08:40:04	157.600	385.900	394.300	87.380	2.878	4.120	0.000	342.500
3	08:40:47	157.400	391.300	395.300	87.060	2.885	3.610	0.000	344.300
x		158.800	392.200	397.300	88.000	2.904	3.985	0.000	345.000
σ		2.229	6.867	4.371	1.363	0.039	0.329	0.000	2.924
%RSD		1.404	1.751	1.100	1.549	1.328	8.258	0.000	0.847
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	0.000	9.931	10.150	48.097%	0.462	0.265	1.901	1.438
2	08:40:04	0.000	9.713	9.846	48.202%	0.388	0.284	1.865	1.353
3	08:40:47	0.000	10.240	10.050	48.363%	0.428	0.276	2.010	1.456
x		0.000	9.960	10.010	48.221%	0.426	0.275	1.925	1.416
σ		0.000	0.263	0.153	0.134%	0.037	0.010	0.075	0.055
%RSD		0.000	2.640	1.525	0.278	8.672	3.462	3.908	3.856
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:21	54.938%	1.049	0.300	0.290	1064.000	1059.000	63.152%	63.139%
2	08:40:04	56.473%	0.978	0.292	0.298	1023.000	1024.000	64.361%	65.288%
3	08:40:47	56.083%	1.051	0.307	0.292	1048.000	1033.000	64.591%	64.838%
x		55.831%	1.026	0.300	0.294	1045.000	1038.000	64.035%	64.422%
σ		0.798%	0.042	0.007	0.004	20.610	18.180	0.773%	1.133%
%RSD		1.429	4.089	2.458	1.478	1.972	1.751	1.207	1.759
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:39:21	1.435	1.383	121.600	120.000	120.400	63.443%		
2	08:40:04	1.369	1.338	119.100	117.800	117.800	64.982%		
3	08:40:47	1.371	1.350	120.700	118.900	119.500	64.948%		
x		1.392	1.357	120.500	118.900	119.200	64.458%		
σ		0.037	0.023	1.314	1.107	1.357	0.879%		
%RSD		2.694	1.712	1.091	0.931	1.138	1.364		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	56.307%	5.525	19.820	18.910	0.000	432.500	27110.000	26860.000
2	08:48:20	56.469%	5.002	21.140	19.070	0.000	433.500	27240.000	26950.000
3	08:49:03	56.813%	5.168	20.080	18.870	0.000	429.700	26940.000	26680.000
x		56.529%	5.232	20.350	18.950	0.000	431.900	27090.000	26830.000
σ		0.258%	0.267	0.698	0.106	0.000	1.970	152.200	141.300
%RSD		0.457	5.107	3.432	0.560	0.000	0.456	0.562	0.527

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	122000.000	7067.000	0.000	7567.000	9495.000	9083.000	54.706%	1140.000
2	08:48:20	121800.000	7128.000	0.000	7671.000	9811.000	9193.000	53.771%	1167.000
3	08:49:03	121100.000	7028.000	0.000	7556.000	9637.000	9165.000	53.648%	1152.000
x		121600.000	7074.000	0.000	7598.000	9648.000	9147.000	54.042%	1153.000
σ		496.900	50.740	0.000	63.510	158.000	56.910	0.579%	13.570
%RSD		0.408	0.717	0.000	0.836	1.637	0.622	1.071	1.177

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	201.400	146.800	3636.000	240000.000	239700.000	96.670	193.100	170.200
2	08:48:20	202.800	148.400	3699.000	241600.000	243200.000	97.700	193.100	172.100
3	08:49:03	203.100	147.900	3666.000	240700.000	241100.000	96.310	196.100	170.700
x		202.400	147.700	3667.000	240800.000	241300.000	96.890	194.100	171.000
σ		0.874	0.849	31.590	791.600	1749.000	0.722	1.736	0.956
%RSD		0.432	0.575	0.861	0.329	0.725	0.746	0.894	0.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	171.100	439.200	439.000	100.200	2.112	3.218	0.000	67.180
2	08:48:20	170.900	439.500	446.800	101.000	2.228	3.497	0.000	68.210
3	08:49:03	170.800	441.700	443.600	100.600	1.942	2.948	0.000	68.660
x		170.900	440.100	443.100	100.600	2.094	3.221	0.000	68.020
σ		0.113	1.354	3.906	0.416	0.144	0.275	0.000	0.762
%RSD		0.066	0.308	0.881	0.414	6.863	8.526	0.000	1.120

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	0.000	10.650	10.800	47.737%	0.289	0.215	1.693	1.264
2	08:48:20	0.000	10.560	10.550	47.406%	0.275	0.207	1.539	1.196
3	08:49:03	0.000	11.260	10.710	47.152%	0.309	0.204	1.423	1.133
x		0.000	10.820	10.690	47.432%	0.291	0.209	1.552	1.198
σ		0.000	0.378	0.130	0.293%	0.017	0.006	0.136	0.066
%RSD		0.000	3.496	1.213	0.618	5.824	2.756	8.734	5.469

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	54.004%	1.031	0.263	0.260	654.500	650.500	61.789%	61.562%
2	08:48:20	54.353%	0.998	0.219	0.223	659.800	653.000	62.103%	61.545%
3	08:49:03	53.814%	1.127	0.264	0.253	660.700	652.000	61.865%	61.327%
x		54.057%	1.052	0.249	0.245	658.300	651.800	61.919%	61.478%
σ		0.274%	0.067	0.026	0.020	3.381	1.222	0.164%	0.131%
%RSD		0.506	6.394	10.430	7.991	0.514	0.187	0.265	0.213

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:37	1.450	1.427	118.200	115.700	116.300	60.267%
2	08:48:20	1.487	1.442	120.800	119.200	119.900	58.805%
3	08:49:03	1.530	1.436	120.300	117.400	118.800	59.144%
x		1.489	1.435	119.800	117.500	118.400	59.405%
σ		0.040	0.007	1.371	1.787	1.858	0.765%
%RSD		2.693	0.518	1.144	1.521	1.570	1.288

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	54.599%	7.806	21.680	20.580	0.000	449.100	29980.000	29760.000
2	08:56:36	56.156%	6.966	19.140	19.770	0.000	419.400	27680.000	27500.000
3	08:57:19	55.870%	6.765	20.990	20.090	0.000	432.300	28580.000	28340.000
x		55.542%	7.179	20.600	20.140	0.000	433.600	28740.000	28530.000
σ		0.829%	0.552	1.314	0.406	0.000	14.900	1161.000	1141.000
%RSD		1.492	7.688	6.380	2.015	0.000	3.436	4.040	4.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	109600.000	5472.000	0.000	8823.000	7941.000	7625.000	55.160%	1043.000
2	08:56:36	101600.000	5052.000	0.000	8171.000	7684.000	7166.000	56.094%	969.900
3	08:57:19	104500.000	5158.000	0.000	8449.000	7966.000	7419.000	55.365%	1007.000
x		105200.000	5227.000	0.000	8481.000	7864.000	7403.000	55.540%	1007.000
σ		4027.000	218.300	0.000	327.500	155.900	229.900	0.491%	36.580
%RSD		3.826	4.176	0.000	3.861	1.983	3.106	0.884	3.634

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	186.200	190.700	4989.000	282500.000	284100.000	134.700	299.500	198.600
2	08:56:36	172.200	177.100	4696.000	265500.000	267500.000	125.400	275.200	185.200
3	08:57:19	178.300	183.500	4849.000	273900.000	274300.000	129.700	289.900	192.200
x		178.900	183.800	4845.000	274000.000	275300.000	129.900	288.200	192.000
σ		7.052	6.812	146.700	8517.000	8379.000	4.663	12.240	6.669
%RSD		3.942	3.707	3.028	3.108	3.044	3.590	4.246	3.473

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	198.700	560.900	571.200	120.000	2.186	3.359	0.000	76.020
2	08:56:36	186.900	531.200	540.600	113.600	1.761	3.292	0.000	72.330
3	08:57:19	193.800	550.800	562.500	116.500	2.100	3.097	0.000	74.690
x		193.100	547.600	558.100	116.700	2.016	3.249	0.000	74.350
σ		5.899	15.070	15.750	3.202	0.225	0.136	0.000	1.867
%RSD		3.055	2.751	2.823	2.742	11.160	4.180	0.000	2.512

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	0.000	10.310	10.560	48.820%	0.316	0.186	2.412	1.831
2	08:56:36	0.000	10.190	9.964	49.470%	0.297	0.161	1.787	1.472
3	08:57:19	0.000	10.190	10.480	48.640%	0.290	0.216	2.210	1.657
x		0.000	10.230	10.330	48.977%	0.301	0.188	2.136	1.653
σ		0.000	0.070	0.321	0.437%	0.013	0.027	0.319	0.179
%RSD		0.000	0.685	3.104	0.891	4.399	14.580	14.940	10.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	55.224%	1.012	0.302	0.270	823.500	826.800	66.542%	65.968%
2	08:56:36	57.126%	0.984	0.231	0.244	786.900	769.200	68.812%	68.003%
3	08:57:19	56.314%	1.019	0.279	0.252	804.800	798.600	67.739%	67.366%
x		56.222%	1.005	0.271	0.255	805.100	798.200	67.698%	67.112%
σ		0.954%	0.019	0.036	0.013	18.290	28.770	1.136%	1.041%
%RSD		1.698	1.846	13.440	5.165	2.272	3.604	1.678	1.551

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:53	1.330	1.359	134.800	133.000	132.900	67.542%
2	08:56:36	1.266	1.287	126.900	125.600	126.000	70.014%
3	08:57:19	1.278	1.317	132.500	131.000	131.700	68.498%
x		1.292	1.321	131.400	129.800	130.200	68.685%
σ		0.034	0.036	4.040	3.833	3.669	1.247%
%RSD		2.631	2.732	3.075	2.952	2.818	1.815

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	55.643%	5.300	17.170	17.610	0.000	351.300	24920.000	24660.000
2	09:04:53	56.062%	5.489	17.770	17.380	0.000	350.000	24940.000	24680.000
3	09:05:36	55.127%	5.171	17.520	17.500	0.000	351.600	24820.000	24600.000
x		55.611%	5.320	17.490	17.490	0.000	351.000	24900.000	24640.000
σ		0.469%	0.160	0.300	0.112	0.000	0.837	69.390	42.820
%RSD		0.843	3.005	1.717	0.639	0.000	0.238	0.279	0.174

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	114000.000	5656.000	0.000	7708.000	8056.000	7706.000	54.514%	1030.000
2	09:04:53	113900.000	5605.000	0.000	7753.000	8300.000	7777.000	53.534%	1035.000
3	09:05:36	113900.000	5567.000	0.000	7702.000	8153.000	7777.000	53.328%	1023.000
x		113900.000	5609.000	0.000	7721.000	8170.000	7753.000	53.792%	1029.000
σ		54.690	44.630	0.000	28.170	122.900	40.520	0.634%	5.653
%RSD		0.048	0.796	0.000	0.365	1.504	0.523	1.178	0.549

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	191.500	150.900	3253.000	249900.000	250200.000	105.100	193.100	186.600
2	09:04:53	191.700	151.600	3294.000	253200.000	254400.000	106.300	195.600	189.600
3	09:05:36	186.400	148.700	3285.000	248800.000	250300.000	105.500	192.700	185.500
x		189.800	150.400	3277.000	250600.000	251700.000	105.600	193.800	187.200
σ		3.018	1.483	21.850	2296.000	2383.000	0.640	1.567	2.090
%RSD		1.590	0.986	0.667	0.916	0.947	0.606	0.809	1.116

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	188.800	416.000	420.100	92.620	2.093	4.219	0.000	55.650
2	09:04:53	189.600	415.700	418.600	90.620	2.189	3.279	0.000	57.080
3	09:05:36	185.400	416.100	420.300	90.410	1.876	3.240	0.000	56.060
x		187.900	415.900	419.700	91.220	2.052	3.579	0.000	56.260
σ		2.234	0.221	0.912	1.217	0.160	0.555	0.000	0.735
%RSD		1.188	0.053	0.217	1.335	7.814	15.490	0.000	1.307

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	0.000	9.355	9.565	47.950%	0.274	0.143	1.494	1.075
2	09:04:53	0.000	9.809	9.882	47.229%	0.211	0.159	1.362	1.024
3	09:05:36	0.000	9.924	9.934	47.548%	0.240	0.122	1.382	1.041
x		0.000	9.696	9.794	47.576%	0.242	0.141	1.413	1.047
σ		0.000	0.300	0.200	0.361%	0.031	0.019	0.071	0.026
%RSD		0.000	3.099	2.038	0.759	13.010	13.090	5.049	2.488

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	54.296%	0.879	0.203	0.222	624.800	620.000	60.877%	60.757%
2	09:04:53	54.383%	0.922	0.207	0.249	631.000	626.200	61.365%	61.171%
3	09:05:36	54.327%	0.921	0.222	0.193	623.300	619.800	61.828%	62.070%
x		54.336%	0.907	0.211	0.221	626.400	622.000	61.357%	61.333%
σ		0.044%	0.025	0.010	0.028	4.052	3.626	0.476%	0.671%
%RSD		0.081	2.731	4.577	12.610	0.647	0.583	0.775	1.094

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:04:10	1.237	1.215	114.200	111.800	113.000	57.857%
2	09:04:53	1.224	1.221	115.700	112.400	113.900	58.843%
3	09:05:36	1.192	1.188	113.700	112.400	112.300	60.136%
x		1.217	1.208	114.600	112.200	113.000	58.945%
σ		0.023	0.017	1.049	0.369	0.817	1.143%
%RSD		1.868	1.442	0.915	0.329	0.723	1.939

240-22488-C-19-C 4/29/2013 9:11:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	56.164%	5.281	18.250	17.590	0.000	617.200	29110.000	29050.000
2	09:13:08	55.563%	5.859	17.100	17.650	0.000	615.300	29220.000	28890.000
3	09:13:51	56.205%	5.471	17.000	16.940	0.000	596.400	28450.000	28170.000
x		55.977%	5.537	17.450	17.400	0.000	609.600	28930.000	28700.000
σ		0.359%	0.294	0.696	0.397	0.000	11.530	418.400	466.600
%RSD		0.642	5.314	3.990	2.280	0.000	1.891	1.446	1.626

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	111100.000	5250.000	0.000	7947.000	6706.000	6395.000	54.923%	1114.000
2	09:13:08	109800.000	5144.000	0.000	7921.000	6831.000	6313.000	53.827%	1116.000
3	09:13:51	107100.000	5012.000	0.000	7753.000	6540.000	6260.000	54.152%	1091.000
x		109300.000	5135.000	0.000	7874.000	6693.000	6323.000	54.300%	1107.000
σ		2040.000	119.500	0.000	105.300	145.900	68.110	0.563%	14.090
%RSD		1.866	2.326	0.000	1.337	2.180	1.077	1.037	1.273

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	190.100	153.300	3049.000	246800.000	247300.000	105.600	242.900	182.700
2	09:13:08	187.600	152.100	3069.000	246800.000	247400.000	103.600	234.200	177.100
3	09:13:51	184.500	149.100	3008.000	242200.000	242500.000	102.000	229.300	173.600
x		187.400	151.500	3042.000	245300.000	245800.000	103.700	235.500	177.800
σ		2.831	2.202	31.550	2663.000	2780.000	1.834	6.895	4.609
%RSD		1.511	1.454	1.037	1.086	1.131	1.769	2.928	2.592

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	181.400	456.900	464.600	98.420	2.032	2.263	0.000	75.450
2	09:13:08	180.400	455.500	465.000	98.770	2.065	3.740	0.000	76.320
3	09:13:51	174.200	444.700	455.100	95.850	1.846	2.463	0.000	74.450
x		178.700	452.400	461.600	97.680	1.981	2.822	0.000	75.410
σ		3.886	6.702	5.597	1.594	0.118	0.801	0.000	0.935
%RSD		2.175	1.482	1.212	1.632	5.961	28.400	0.000	1.240

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	0.000	9.892	10.110	48.761%	0.251	0.124	1.592	1.222
2	09:13:08	0.000	9.850	9.908	48.353%	0.228	0.150	1.582	1.260
3	09:13:51	0.000	9.529	10.090	48.669%	0.259	0.179	1.440	1.155
x		0.000	9.757	10.040	48.594%	0.246	0.151	1.538	1.212
σ		0.000	0.199	0.112	0.214%	0.016	0.028	0.085	0.053
%RSD		0.000	2.037	1.112	0.441	6.578	18.330	5.523	4.391

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	54.884%	0.899	0.244	0.249	750.500	746.400	63.258%	63.421%
2	09:13:08	54.818%	0.877	0.249	0.229	758.200	747.300	63.665%	63.712%
3	09:13:51	55.540%	0.858	0.256	0.224	739.700	737.900	64.188%	64.628%
x		55.081%	0.878	0.250	0.234	749.400	743.900	63.704%	63.920%
σ		0.399%	0.021	0.006	0.013	9.292	5.224	0.466%	0.630%
%RSD		0.725	2.361	2.499	5.610	1.240	0.702	0.732	0.986

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:25	1.278	1.283	121.000	119.100	119.700	65.440%
2	09:13:08	1.298	1.292	120.900	118.600	119.600	66.156%
3	09:13:51	1.206	1.241	119.500	117.000	117.900	67.160%
x		1.261	1.272	120.500	118.200	119.100	66.252%
σ		0.048	0.027	0.881	1.108	0.993	0.864%
%RSD		3.817	2.128	0.731	0.937	0.834	1.304

CCV 781130 4/29/2013 9:19:57 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	60.150%	105.000	100.200	103.900	0.000	52800.000	52440.000	51750.000
2	09:21:22	59.737%	103.100	101.800	101.400	0.000	50120.000	49800.000	50050.000
3	09:22:05	59.307%	105.700	105.200	104.900	0.000	51400.000	51080.000	50790.000
x		59.731%	104.592%	102.424%	103.385%	0.000	102.885%	102.214%	101.730%
σ		0.422%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.706	1.306	2.490	1.768	0.000	2.607	2.587	1.670
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	530.600	5508.000	0.000	51580.000	49000.000	46530.000	55.280%	105.700
2	09:21:22	512.100	5230.000	0.000	50170.000	47670.000	45430.000	55.010%	100.600
3	09:22:05	515.800	5328.000	0.000	50650.000	48940.000	50250.000	54.176%	104.000
x		103.903%	107.102%	0.000	101.598%	97.076%	94.805%	54.822%	103.419%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.576%	n/a
%RSD		1.882	2.634	0.000	1.415	1.548	5.331	1.050	2.492
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	102.600	102.400	474.400	26470.000	24300.000	104.900	107.600	107.300
2	09:21:22	99.420	98.950	457.600	25600.000	23470.000	99.830	100.800	101.600
3	09:22:05	101.100	100.400	471.200	26040.000	24060.000	101.000	103.600	103.900
x		101.034%	100.599%	93.550%	104.156%	95.791%	101.903%	103.994%	104.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.560	1.735	1.907	1.669	1.783	2.612	3.319	2.748
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	107.400	99.220	100.700	103.800	103.500	103.800	0.000	98.930
2	09:21:22	101.900	96.210	97.760	99.320	99.930	99.470	0.000	95.650
3	09:22:05	104.100	99.050	98.060	101.800	103.500	100.100	0.000	99.310
x		104.459%	98.160%	98.848%	101.641%	102.295%	101.142%	0.000	97.963%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.674	1.720	1.655	2.197	2.002	2.325	0.000	2.054
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	56.261%	105.600	107.000	50.935%	103.200	103.800	100.600	100.500
2	09:21:22	56.200%	104.900	106.300	50.937%	100.500	100.100	97.590	97.260
3	09:22:05	55.058%	108.300	111.100	49.633%	103.100	103.400	99.380	99.870
x		55.840%	106.260%	108.138%	50.502%	102.238%	102.412%	99.183%	99.209%
σ		0.678%	n/a	n/a	0.752%	n/a	n/a	n/a	n/a
%RSD		1.213	1.704	2.398	1.489	1.505	1.975	1.520	1.734
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:20:40	56.551%	98.250	97.110	96.910	101.500	101.300	60.974%	61.022%
2	09:21:22	56.566%	96.560	94.690	94.820	99.160	96.970	61.854%	62.469%
3	09:22:05	55.929%	100.100	97.630	98.070	99.530	99.830	61.206%	61.797%
x		56.349%	98.302%	96.478%	96.599%	100.064%	99.354%	61.345%	61.762%
σ		0.363%	n/a	n/a	n/a	n/a	n/a	0.456%	0.724%
%RSD		0.645	1.806	1.628	1.706	1.253	2.200	0.744	1.173
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	09:20:40	96.970	95.750	94.180	94.440	94.700	59.365%		
2	09:21:22	94.540	93.480	93.200	93.040	93.050	60.081%		
3	09:22:05	96.910	95.450	96.060	95.870	95.810	61.472%		
x		96.140%	94.895%	94.481%	94.452%	94.519%	60.306%		
σ		n/a	n/a	n/a	n/a	n/a	1.071%		
%RSD		1.441	1.298	1.541	1.498	1.469	1.777		

CCB8 4/29/2013 9:28:14 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	96.177%	-0.002	0.513	0.610	0.000	4.357	8.378	8.768
2	09:29:40	99.625%	0.001	0.647	0.417	0.000	5.392	9.747	9.402
3	09:30:23	101.008%	0.014	0.335	0.393	0.000	7.824	13.300	12.470
x		98.937%	0.004	0.498	0.474	0.000	5.858	10.470	10.210
σ		2.488%	0.008	0.157	0.119	0.000	1.780	2.540	1.979
%RSD		2.515	194.100	31.470	25.070	0.000	30.380	24.250	19.380

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	3.319	0.190	0.000	-2.256	4.259	8.552	87.012%	-0.088
2	09:29:40	3.763	0.294	0.000	-1.342	18.520	7.602	90.233%	-0.140
3	09:30:23	4.704	2.365	0.000	0.233	18.170	11.750	91.854%	-0.024
x		3.929	0.950	0.000	-1.121	13.650	9.301	89.700%	-0.084
σ		0.707	1.227	0.000	1.259	8.136	2.173	2.465%	0.058
%RSD		18.000	129.200	0.000	112.300	59.600	23.360	2.748	69.420

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	0.006	-0.024	0.380	7.807	10.730	0.011	0.042	0.037
2	09:29:40	0.029	-0.005	0.434	8.248	10.330	0.015	0.043	0.046
3	09:30:23	0.020	-0.013	0.517	11.500	13.690	0.033	0.066	0.074
x		0.018	-0.014	0.444	9.184	11.590	0.019	0.050	0.052
σ		0.012	0.010	0.069	2.016	1.835	0.012	0.013	0.020
%RSD		64.220	68.670	15.590	21.950	15.840	59.620	26.460	37.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	0.067	0.216	0.219	-0.191	-0.339	-0.703	0.000	0.036
2	09:29:40	0.060	0.242	0.184	-0.153	-0.103	-0.664	0.000	0.048
3	09:30:23	0.116	0.233	0.210	-0.360	-0.259	-1.269	0.000	0.051
x		0.081	0.230	0.204	-0.235	-0.234	-0.879	0.000	0.045
σ		0.031	0.013	0.018	0.110	0.120	0.339	0.000	0.008
%RSD		37.740	5.725	8.837	46.860	51.210	38.520	0.000	17.190

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	76.650%	0.288	0.279	82.120%	0.004	0.011	0.078	0.060
2	09:29:40	78.785%	0.235	0.285	84.271%	0.012	0.010	0.069	0.058
3	09:30:23	80.564%	0.212	0.213	86.754%	0.020	0.015	-0.003	-0.000
x		78.666%	0.245	0.259	84.382%	0.012	0.012	0.048	0.039
σ		1.960%	0.039	0.040	2.319%	0.008	0.003	0.045	0.034
%RSD		2.491	15.870	15.450	2.748	67.170	23.770	93.050	87.370

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	82.055%	0.123	0.030	0.042	0.024	0.050	83.214%	83.368%
2	09:29:40	84.912%	0.136	0.031	0.023	0.039	0.050	86.591%	87.026%
3	09:30:23	86.841%	0.101	0.032	0.045	0.063	0.095	87.511%	88.178%
x		84.602%	0.120	0.031	0.037	0.042	0.065	85.772%	86.191%
σ		2.408%	0.018	0.001	0.012	0.020	0.026	2.263%	2.511%
%RSD		2.846	15.040	3.832	32.090	47.070	39.980	2.638	2.914

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:28:57	-0.001	0.000	0.041	0.027	0.027	88.453%
2	09:29:40	0.006	0.003	0.030	0.025	0.030	91.049%
3	09:30:23	0.014	0.011	0.041	0.045	0.038	94.133%
x		0.006	0.005	0.038	0.032	0.032	91.212%
σ		0.007	0.006	0.007	0.011	0.006	2.843%
%RSD		122.900	120.100	17.260	33.200	18.260	3.117

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	54.264%	7.172	20.410	20.710	0.000	369.400	29400.000	29250.000
2	09:37:56	52.874%	7.146	20.530	20.500	0.000	383.700	30140.000	29890.000
3	09:38:39	54.489%	7.052	19.350	20.130	0.000	364.300	28710.000	28500.000
x		53.876%	7.123	20.100	20.450	0.000	372.400	29420.000	29220.000
σ		0.875%	0.063	0.651	0.291	0.000	10.040	716.500	696.200
%RSD		1.624	0.887	3.238	1.424	0.000	2.696	2.436	2.383

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	108400.000	6812.000	0.000	8600.000	8360.000	7913.000	53.368%	1174.000
2	09:37:56	109500.000	6892.000	0.000	8860.000	8685.000	8198.000	51.970%	1204.000
3	09:38:39	104800.000	6648.000	0.000	8467.000	8276.000	7888.000	53.347%	1154.000
x		107600.000	6784.000	0.000	8642.000	8440.000	8000.000	52.895%	1177.000
σ		2435.000	124.500	0.000	199.600	216.000	172.200	0.801%	25.330
%RSD		2.264	1.836	0.000	2.310	2.560	2.153	1.515	2.151

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	182.900	180.500	5234.000	271000.000	271400.000	131.700	278.000	194.200
2	09:37:56	187.500	182.800	5395.000	278100.000	280600.000	133.600	281.800	195.300
3	09:38:39	179.600	176.000	5198.000	267700.000	268300.000	128.600	272.600	188.800
x		183.300	179.800	5275.000	272300.000	273400.000	131.300	277.500	192.700
σ		3.983	3.489	104.800	5315.000	6407.000	2.537	4.624	3.490
%RSD		2.173	1.941	1.987	1.952	2.343	1.932	1.666	1.811

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	195.100	493.400	497.000	109.800	2.269	3.431	0.000	66.060
2	09:37:56	195.600	507.200	516.000	111.600	1.728	3.874	0.000	68.680
3	09:38:39	192.900	489.000	497.100	108.200	1.595	3.450	0.000	66.610
x		194.500	496.500	503.400	109.900	1.864	3.585	0.000	67.120
σ		1.407	9.503	10.960	1.702	0.357	0.251	0.000	1.383
%RSD		0.723	1.914	2.177	1.549	19.150	6.991	0.000	2.061

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	0.000	9.882	9.870	46.261%	0.323	0.188	1.975	1.512
2	09:37:56	0.000	10.210	10.090	46.142%	0.346	0.200	1.882	1.496
3	09:38:39	0.000	9.932	9.933	46.449%	0.338	0.176	2.011	1.484
x		0.000	10.010	9.965	46.284%	0.335	0.188	1.956	1.497
σ		0.000	0.178	0.115	0.155%	0.012	0.012	0.067	0.014
%RSD		0.000	1.780	1.158	0.335	3.500	6.387	3.421	0.924

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	52.981%	1.217	0.247	0.294	735.900	728.600	62.364%	61.945%
2	09:37:56	52.780%	1.256	0.301	0.268	748.900	743.600	63.138%	62.599%
3	09:38:39	53.906%	1.127	0.243	0.240	722.000	719.300	64.843%	64.288%
x		53.222%	1.200	0.264	0.267	735.600	730.500	63.449%	62.944%
σ		0.601%	0.066	0.032	0.027	13.470	12.270	1.268%	1.209%
%RSD		1.129	5.498	12.230	10.040	1.831	1.680	1.999	1.921

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:37:13	1.316	1.310	115.800	113.200	113.900	60.797%
2	09:37:56	1.372	1.378	117.500	115.000	116.100	63.206%
3	09:38:39	1.336	1.331	115.500	113.300	114.400	64.513%
x		1.341	1.339	116.300	113.900	114.800	62.839%
σ		0.028	0.035	1.082	1.006	1.137	1.885%
%RSD		2.108	2.610	0.931	0.883	0.991	2.999

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	79.835%	-0.016	0.114	0.322	0.000	5.664	3.622	3.875
2	09:46:10	82.054%	-0.005	0.311	0.212	0.000	5.500	3.843	3.981
3	09:46:53	79.998%	-0.010	0.418	0.268	0.000	6.888	4.887	4.809
x		80.629%	-0.010	0.281	0.268	0.000	6.018	4.117	4.222
σ		1.237%	0.005	0.154	0.055	0.000	0.758	0.675	0.511
%RSD		1.534	50.530	54.980	20.460	0.000	12.600	16.410	12.120

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	1.201	0.560	0.000	-5.578	10.490	11.830	68.665%	0.479
2	09:46:10	1.709	2.465	0.000	-6.198	9.177	9.776	69.421%	0.356
3	09:46:53	4.804	7.665	0.000	-4.091	12.770	12.640	69.110%	0.416
x		2.571	3.563	0.000	-5.289	10.810	11.420	69.066%	0.417
σ		1.950	3.678	0.000	1.082	1.817	1.476	0.380%	0.062
%RSD		75.840	103.200	0.000	20.470	16.810	12.930	0.550	14.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	0.002	-0.040	0.054	1.747	4.934	0.002	0.013	0.105
2	09:46:10	0.002	-0.043	0.076	2.294	6.167	-0.007	0.053	0.066
3	09:46:53	0.012	-0.035	0.267	10.070	13.550	0.001	0.033	0.063
x		0.006	-0.039	0.132	4.702	8.217	-0.001	0.033	0.078
σ		0.006	0.004	0.117	4.653	4.659	0.005	0.020	0.023
%RSD		105.000	10.610	88.660	98.950	56.700	329.100	61.370	30.050

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	0.109	0.477	0.521	-0.568	-0.465	-2.082	0.000	0.038
2	09:46:10	0.085	0.500	0.400	-0.606	-0.375	-2.239	0.000	0.039
3	09:46:53	0.117	0.448	0.365	-0.517	-0.487	-1.965	0.000	0.039
x		0.104	0.475	0.428	-0.564	-0.442	-2.095	0.000	0.039
σ		0.017	0.026	0.082	0.044	0.059	0.138	0.000	0.001
%RSD		16.290	5.516	19.090	7.881	13.350	6.563	0.000	1.892

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	63.135%	0.096	0.103	59.239%	-0.003	-0.004	0.048	0.007
2	09:46:10	64.416%	0.094	0.081	60.027%	-0.005	-0.004	0.032	0.005
3	09:46:53	63.584%	0.046	0.086	59.076%	-0.005	-0.007	0.002	-0.006
x		63.711%	0.079	0.090	59.447%	-0.004	-0.005	0.027	0.002
σ		0.650%	0.028	0.011	0.509%	0.001	0.002	0.023	0.007
%RSD		1.020	35.650	12.620	0.856	31.250	38.200	84.320	325.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	67.603%	1.099	0.001	0.007	0.041	0.055	68.449%	68.901%
2	09:46:10	68.771%	1.022	0.000	-0.003	0.050	0.054	69.290%	69.785%
3	09:46:53	68.286%	0.693	0.006	0.008	0.115	0.118	69.291%	69.494%
x		68.220%	0.938	0.002	0.004	0.068	0.076	69.010%	69.394%
σ		0.587%	0.216	0.003	0.006	0.040	0.037	0.486%	0.451%
%RSD		0.860	22.990	143.000	167.300	58.600	48.510	0.704	0.649

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:45:27	-0.013	-0.015	0.006	0.005	0.001	77.716%
2	09:46:10	-0.013	-0.011	0.008	0.004	0.000	75.688%
3	09:46:53	-0.013	-0.012	0.016	0.003	0.009	75.343%
x		-0.013	-0.013	0.010	0.004	0.004	76.249%
σ		0.000	0.002	0.005	0.001	0.005	1.282%
%RSD		1.658	15.170	54.800	29.950	133.500	1.682

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	53.830%	45.840	899.700	893.000	0.000	50500.000	50120.000	49960.000
2	09:54:25	55.225%	45.040	874.800	866.900	0.000	48690.000	48330.000	48260.000
3	09:55:08	54.706%	44.580	909.800	896.100	0.000	50000.000	49310.000	49190.000
x		54.587%	45.150	894.800	885.300	0.000	49730.000	49250.000	49130.000
σ		0.705%	0.635	18.040	16.070	0.000	933.900	893.900	852.600
%RSD		1.292	1.407	2.017	1.815	0.000	1.878	1.815	1.735

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	1957.000	8606.000	0.000	50530.000	48880.000	46380.000	48.982%	1005.000
2	09:54:25	2006.000	8272.000	0.000	48840.000	47940.000	45180.000	49.328%	983.800
3	09:55:08	2049.000	8416.000	0.000	50030.000	49080.000	46190.000	48.676%	997.800
x		2004.000	8431.000	0.000	49800.000	48630.000	45910.000	48.995%	995.600
σ		46.200	167.700	0.000	870.300	611.900	644.900	0.326%	10.940
%RSD		2.305	1.989	0.000	1.748	1.258	1.405	0.666	1.098

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	512.200	201.800	464.700	985.400	1105.000	506.100	514.100	255.300
2	09:54:25	497.000	195.600	452.600	956.100	1070.000	492.700	498.300	246.700
3	09:55:08	502.500	200.200	466.800	977.200	1083.000	500.200	506.900	253.200
x		503.900	199.200	461.400	972.900	1086.000	499.700	506.400	251.700
σ		7.694	3.212	7.672	15.120	17.880	6.699	7.905	4.516
%RSD		1.527	1.612	1.663	1.554	1.646	1.341	1.561	1.794

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	259.100	417.200	414.800	33.940	7.918	8.437	0.000	993.300
2	09:54:25	252.500	408.500	405.300	33.460	7.541	8.512	0.000	1074.000
3	09:55:08	254.900	413.500	415.900	34.570	7.758	8.791	0.000	992.700
x		255.500	413.100	412.000	33.990	7.739	8.580	0.000	1020.000
σ		3.349	4.397	5.822	0.557	0.189	0.186	0.000	46.920
%RSD		1.311	1.065	1.413	1.638	2.446	2.171	0.000	4.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	47.034%	1055.000	1063.000	47.613%	46.900	47.590	45.150	40.710
2	09:54:25	47.840%	1029.000	1036.000	48.395%	45.500	46.460	43.380	39.060
3	09:55:08	47.348%	1052.000	1054.000	47.715%	46.120	47.080	43.600	40.250
x		47.408%	1045.000	1051.000	47.908%	46.170	47.040	44.040	40.010
σ		0.406%	14.300	13.970	0.425%	0.702	0.566	0.962	0.853
%RSD		0.857	1.368	1.329	0.887	1.520	1.202	2.185	2.132

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	49.769%	1935.000	435.300	435.900	1912.000	1905.000	58.979%	60.174%
2	09:54:25	50.803%	1899.000	425.300	424.500	1874.000	1863.000	60.798%	61.778%
3	09:55:08	50.968%	1925.000	429.600	430.200	1899.000	1885.000	60.303%	61.611%
x		50.513%	1920.000	430.100	430.200	1895.000	1884.000	60.027%	61.188%
σ		0.650%	18.850	5.012	5.721	18.940	20.990	0.940%	0.882%
%RSD		1.287	0.982	1.165	1.330	0.999	1.114	1.566	1.441

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:53:42	44.770	44.750	16.930	18.780	17.810	61.411%
2	09:54:25	43.990	43.720	16.630	18.390	17.400	63.338%
3	09:55:08	44.100	44.620	16.980	18.810	17.830	63.264%
x		44.280	44.360	16.850	18.660	17.680	62.671%
σ		0.422	0.562	0.188	0.234	0.243	1.092%
%RSD		0.953	1.266	1.115	1.256	1.375	1.743

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	53.495%	6.018	28.030	29.000	0.000	358.100	27460.000	27270.000
2	10:02:40	52.943%	6.215	30.330	29.330	0.000	363.600	28350.000	28110.000
3	10:03:24	52.750%	6.099	28.240	28.710	0.000	364.200	27970.000	27820.000
x		53.063%	6.111	28.870	29.010	0.000	362.000	27930.000	27740.000
σ		0.387%	0.099	1.269	0.310	0.000	3.378	449.600	424.600
%RSD		0.729	1.621	4.396	1.067	0.000	0.933	1.610	1.531

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	124200.000	6131.000	0.000	8917.000	12500.000	11770.000	51.463%	1078.000
2	10:02:40	127900.000	6268.000	0.000	9193.000	12890.000	12260.000	50.261%	1101.000
3	10:03:24	126100.000	6231.000	0.000	9097.000	12680.000	11920.000	50.400%	1087.000
x		126100.000	6210.000	0.000	9069.000	12690.000	11990.000	50.708%	1088.000
σ		1846.000	71.020	0.000	140.300	192.800	252.600	0.658%	11.580
%RSD		1.464	1.143	0.000	1.547	1.520	2.108	1.297	1.064

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	192.900	149.500	3526.000	255900.000	257500.000	127.100	217.200	174.600
2	10:02:40	197.800	155.000	3677.000	267300.000	267500.000	129.600	222.900	179.800
3	10:03:24	195.900	154.100	3636.000	261800.000	263100.000	128.100	218.700	174.500
x		195.500	152.900	3613.000	261700.000	262700.000	128.300	219.600	176.300
σ		2.462	2.948	77.780	5677.000	5018.000	1.252	2.923	3.047
%RSD		1.259	1.928	2.153	2.169	1.910	0.976	1.331	1.729

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	175.300	443.300	451.700	108.800	2.208	1.851	0.000	88.880
2	10:02:40	181.600	460.900	466.300	112.500	2.076	2.927	0.000	93.670
3	10:03:24	178.600	456.000	458.400	111.700	1.944	3.538	0.000	92.350
x		178.500	453.400	458.800	111.000	2.076	2.772	0.000	91.630
σ		3.106	9.095	7.348	1.933	0.132	0.854	0.000	2.476
%RSD		1.740	2.006	1.602	1.742	6.356	30.810	0.000	2.703

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	0.000	9.852	10.020	44.058%	0.288	0.199	1.761	1.327
2	10:02:40	0.000	10.760	10.500	42.970%	0.331	0.233	1.614	1.223
3	10:03:24	0.000	10.340	10.480	43.329%	0.304	0.222	1.685	1.256
x		0.000	10.320	10.330	43.452%	0.308	0.218	1.687	1.269
σ		0.000	0.454	0.271	0.554%	0.022	0.017	0.073	0.053
%RSD		0.000	4.401	2.626	1.276	7.088	7.767	4.350	4.199

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	50.225%	4.525	0.340	0.317	738.500	730.400	58.123%	57.552%
2	10:02:40	49.445%	4.115	0.338	0.290	763.800	762.600	57.800%	57.414%
3	10:03:24	49.864%	3.436	0.314	0.273	752.200	752.400	58.124%	57.869%
x		49.844%	4.026	0.331	0.294	751.500	748.500	58.015%	57.612%
σ		0.390%	0.550	0.015	0.022	12.670	16.440	0.187%	0.234%
%RSD		0.783	13.670	4.496	7.507	1.686	2.196	0.322	0.406

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:01:58	1.569	1.445	125.100	122.900	123.200	53.511%
2	10:02:40	1.449	1.495	128.200	126.700	127.200	53.417%
3	10:03:24	1.560	1.500	126.900	125.500	125.600	54.089%
x		1.526	1.480	126.700	125.100	125.300	53.672%
σ		0.067	0.030	1.548	1.971	1.998	0.364%
%RSD		4.381	2.025	1.222	1.576	1.595	0.678

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	52.731%	5.875	21.520	21.750	0.000	557.200	31630.000	31310.000
2	10:10:56	53.365%	5.689	21.560	20.590	0.000	534.200	30440.000	30310.000
3	10:11:40	53.935%	5.648	19.270	20.520	0.000	523.700	29570.000	29370.000
x		53.344%	5.737	20.780	20.950	0.000	538.300	30550.000	30330.000
σ		0.602%	0.121	1.311	0.693	0.000	17.150	1032.000	966.500
%RSD		1.129	2.110	6.309	3.309	0.000	3.185	3.377	3.187

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	124200.000	6704.000	0.000	8942.000	3117.000	2875.000	51.460%	1167.000
2	10:10:56	120500.000	6432.000	0.000	8721.000	3021.000	2806.000	51.805%	1126.000
3	10:11:40	115100.000	6208.000	0.000	8397.000	3035.000	2752.000	52.863%	1094.000
x		119900.000	6448.000	0.000	8687.000	3058.000	2811.000	52.043%	1129.000
σ		4571.000	248.100	0.000	274.200	51.840	61.480	0.731%	36.860
%RSD		3.811	3.847	0.000	3.157	1.695	2.187	1.405	3.265

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	194.300	162.600	2587.000	270900.000	270900.000	114.500	240.900	196.800
2	10:10:56	187.900	156.900	2517.000	262200.000	264500.000	110.000	231.100	191.100
3	10:11:40	181.700	152.900	2440.000	254900.000	255800.000	107.300	224.500	186.000
x		188.000	157.500	2514.000	262700.000	263700.000	110.600	232.200	191.300
σ		6.269	4.868	73.460	8010.000	7618.000	3.639	8.259	5.369
%RSD		3.335	3.091	2.922	3.050	2.889	3.290	3.557	2.807

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	199.700	505.100	513.300	112.100	1.894	3.515	0.000	52.560
2	10:10:56	190.900	492.300	499.900	108.700	1.681	3.293	0.000	50.870
3	10:11:40	189.300	478.500	487.200	107.000	1.424	2.628	0.000	49.170
x		193.300	492.000	500.100	109.200	1.666	3.145	0.000	50.870
σ		5.614	13.310	13.070	2.591	0.235	0.462	0.000	1.695
%RSD		2.904	2.704	2.612	2.372	14.130	14.670	0.000	3.331

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	0.000	9.501	9.755	45.321%	0.214	0.160	1.620	1.170
2	10:10:56	0.000	9.392	9.519	46.000%	0.220	0.134	1.527	1.209
3	10:11:40	0.000	9.184	9.375	46.093%	0.208	0.146	1.342	1.067
x		0.000	9.359	9.550	45.805%	0.214	0.147	1.497	1.149
σ		0.000	0.161	0.192	0.422%	0.006	0.013	0.142	0.074
%RSD		0.000	1.722	2.010	0.921	2.805	8.698	9.460	6.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	51.410%	1.587	0.243	0.232	743.000	739.500	61.538%	60.937%
2	10:10:56	52.180%	1.550	0.266	0.247	721.500	717.700	62.126%	62.113%
3	10:11:40	53.123%	1.424	0.235	0.230	701.600	695.300	63.640%	63.224%
x		52.238%	1.520	0.248	0.236	722.000	717.500	62.435%	62.091%
σ		0.858%	0.086	0.016	0.009	20.710	22.110	1.085%	1.144%
%RSD		1.643	5.638	6.468	4.000	2.869	3.082	1.737	1.842

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:10:13	1.449	1.504	121.700	119.900	120.200	63.217%
2	10:10:56	1.452	1.395	119.800	116.600	117.500	64.472%
3	10:11:40	1.356	1.413	115.300	114.200	114.400	65.305%
x		1.419	1.437	118.900	116.900	117.400	64.331%
σ		0.054	0.058	3.304	2.873	2.906	1.051%
%RSD		3.822	4.044	2.779	2.458	2.477	1.633

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	54.310%	5.135	17.940	18.760	0.000	320.100	21410.000	20960.000
2	10:19:12	53.698%	5.242	19.280	18.270	0.000	318.400	21300.000	21270.000
3	10:19:55	53.784%	4.932	18.990	17.920	0.000	311.300	20670.000	20600.000
x		53.931%	5.103	18.740	18.320	0.000	316.600	21120.000	20940.000
σ		0.331%	0.158	0.706	0.418	0.000	4.653	399.500	336.100
%RSD		0.614	3.092	3.768	2.282	0.000	1.470	1.891	1.605

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	114900.000	8529.000	0.000	6273.000	14300.000	13520.000	51.334%	1107.000
2	10:19:12	115900.000	8482.000	0.000	6323.000	14660.000	13510.000	50.522%	1104.000
3	10:19:55	111800.000	8237.000	0.000	6131.000	14000.000	13080.000	51.077%	1064.000
x		114200.000	8416.000	0.000	6243.000	14320.000	13370.000	50.978%	1091.000
σ		2144.000	156.800	0.000	99.730	331.800	250.700	0.415%	23.920
%RSD		1.878	1.863	0.000	1.598	2.317	1.875	0.813	2.192

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	214.600	136.200	6714.000	244700.000	244400.000	90.880	145.600	488.100
2	10:19:12	213.200	136.200	6795.000	246000.000	246200.000	91.010	146.100	488.100
3	10:19:55	206.800	131.900	6567.000	237900.000	238800.000	88.980	139.600	470.600
x		211.500	134.800	6692.000	242800.000	243100.000	90.290	143.800	482.200
σ		4.159	2.503	115.300	4337.000	3881.000	1.134	3.611	10.120
%RSD		1.966	1.857	1.722	1.786	1.596	1.257	2.511	2.098

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	496.800	932.800	942.800	98.000	2.939	3.366	0.000	65.300
2	10:19:12	492.100	930.800	947.800	98.270	2.568	2.881	0.000	65.470
3	10:19:55	477.500	909.100	929.700	96.320	2.698	2.445	0.000	63.060
x		488.800	924.200	940.100	97.530	2.735	2.897	0.000	64.610
σ		10.070	13.150	9.392	1.054	0.188	0.461	0.000	1.347
%RSD		2.060	1.423	0.999	1.081	6.884	15.900	0.000	2.084

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	0.000	14.500	14.010	45.143%	0.404	0.344	1.776	1.541
2	10:19:12	0.000	14.340	14.060	44.574%	0.430	0.328	1.805	1.461
3	10:19:55	0.000	13.160	13.460	45.621%	0.393	0.373	1.773	1.382
x		0.000	14.000	13.840	45.112%	0.409	0.348	1.785	1.461
σ		0.000	0.733	0.331	0.524%	0.019	0.022	0.017	0.080
%RSD		0.000	5.233	2.389	1.162	4.585	6.438	0.979	5.446

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	51.112%	1.172	0.266	0.258	575.000	567.800	56.262%	56.223%
2	10:19:12	51.011%	1.209	0.302	0.250	572.700	570.800	56.277%	56.130%
3	10:19:55	51.687%	1.099	0.281	0.260	556.000	551.400	57.929%	58.145%
x		51.270%	1.160	0.283	0.256	567.900	563.400	56.823%	56.833%
σ		0.364%	0.056	0.018	0.005	10.390	10.470	0.958%	1.137%
%RSD		0.711	4.810	6.429	2.119	1.829	1.858	1.687	2.001

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:18:29	1.384	1.370	168.100	163.800	164.400	56.258%
2	10:19:12	1.424	1.402	170.100	165.100	166.500	56.508%
3	10:19:55	1.302	1.323	163.200	160.600	160.300	59.445%
x		1.370	1.365	167.200	163.200	163.800	57.404%
σ		0.062	0.040	3.539	2.316	3.157	1.772%
%RSD		4.554	2.904	2.117	1.419	1.928	3.087

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	55.420%	5.303	21.990	21.160	0.000	463.200	22890.000	22700.000
2	10:27:29	55.853%	5.215	20.870	20.960	0.000	459.800	22430.000	22440.000
3	10:28:12	55.380%	4.906	19.840	19.810	0.000	451.700	21940.000	21950.000
x		55.551%	5.141	20.900	20.640	0.000	458.200	22420.000	22360.000
σ		0.262%	0.209	1.078	0.728	0.000	5.878	471.500	382.600
%RSD		0.472	4.057	5.157	3.526	0.000	1.283	2.103	1.711

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	107200.000	6392.000	0.000	6806.000	70650.000	73320.000	52.749%	954.200
2	10:27:29	105800.000	6270.000	0.000	6683.000	69900.000	72960.000	52.338%	936.900
3	10:28:12	102000.000	6069.000	0.000	6518.000	67910.000	70970.000	52.286%	916.300
x		105000.000	6243.000	0.000	6669.000	69490.000	72420.000	52.458%	935.800
σ		2692.000	163.300	0.000	144.400	1415.000	1261.000	0.253%	18.980
%RSD		2.563	2.615	0.000	2.165	2.036	1.742	0.483	2.029

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	195.000	127.300	7204.000	234900.000	235800.000	85.410	149.900	1794.000
2	10:27:29	192.000	125.900	7230.000	232800.000	236300.000	84.100	145.000	1769.000
3	10:28:12	187.200	122.800	7046.000	228200.000	227700.000	81.780	141.500	1727.000
x		191.400	125.300	7160.000	232000.000	233300.000	83.760	145.400	1763.000
σ		3.943	2.266	99.680	3419.000	4813.000	1.839	4.242	33.590
%RSD		2.060	1.808	1.392	1.474	2.063	2.195	2.916	1.905

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	1809.000	1766.000	1780.000	77.720	2.964	3.441	0.000	225.500
2	10:27:29	1792.000	1758.000	1794.000	75.580	3.215	2.881	0.000	225.700
3	10:28:12	1722.000	1732.000	1756.000	74.160	2.811	4.226	0.000	222.800
x		1774.000	1752.000	1776.000	75.820	2.997	3.516	0.000	224.600
σ		45.850	17.970	19.330	1.795	0.204	0.675	0.000	1.628
%RSD		2.584	1.026	1.088	2.368	6.811	19.210	0.000	0.725

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	0.000	12.990	13.070	47.042%	0.485	0.441	2.256	1.955
2	10:27:29	0.000	13.360	13.130	46.841%	0.435	0.463	2.180	1.966
3	10:28:12	0.000	12.610	12.790	47.397%	0.465	0.440	2.082	1.976
x		0.000	12.990	13.000	47.093%	0.462	0.448	2.173	1.966
σ		0.000	0.375	0.181	0.281%	0.025	0.013	0.087	0.011
%RSD		0.000	2.887	1.392	0.597	5.434	2.900	4.020	0.556

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	52.676%	1.337	0.239	0.345	805.900	800.200	59.019%	59.004%
2	10:27:29	53.114%	1.313	0.271	0.252	792.600	794.900	60.042%	59.931%
3	10:28:12	53.877%	1.193	0.264	0.297	776.400	773.600	60.620%	60.753%
x		53.222%	1.281	0.258	0.298	791.600	789.500	59.893%	59.896%
σ		0.608%	0.077	0.017	0.047	14.800	14.100	0.811%	0.875%
%RSD		1.142	6.027	6.485	15.670	1.869	1.786	1.354	1.461

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:26:45	1.325	1.376	182.100	177.700	178.700	62.630%
2	10:27:29	1.288	1.317	178.600	175.700	175.800	64.628%
3	10:28:12	1.339	1.292	175.100	170.700	171.200	65.789%
x		1.317	1.328	178.600	174.700	175.200	64.349%
σ		0.027	0.043	3.542	3.640	3.765	1.598%
%RSD		2.021	3.243	1.984	2.084	2.149	2.484

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	56.200%	4.170	24.530	24.780	0.000	318.300	17330.000	17150.000
2	10:35:43	56.262%	4.350	26.370	24.250	0.000	316.200	16980.000	16970.000
3	10:36:26	56.378%	4.141	25.130	24.320	0.000	311.600	17110.000	16890.000
x		56.280%	4.220	25.340	24.450	0.000	315.400	17140.000	17000.000
σ		0.091%	0.113	0.941	0.288	0.000	3.387	178.100	134.200
%RSD		0.161	2.687	3.714	1.179	0.000	1.074	1.039	0.789
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	66220.000	6592.000	0.000	6367.000	24130.000	22690.000	54.672%	834.900
2	10:35:43	65170.000	6466.000	0.000	6311.000	23740.000	22870.000	53.968%	834.700
3	10:36:26	64680.000	6392.000	0.000	6220.000	23780.000	22690.000	53.799%	821.100
x		65360.000	6483.000	0.000	6299.000	23880.000	22750.000	54.146%	830.300
σ		790.600	101.200	0.000	74.390	212.000	103.900	0.463%	7.924
%RSD		1.210	1.560	0.000	1.181	0.888	0.457	0.855	0.955
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	113.900	141.100	3034.000	196300.000	198000.000	67.790	196.000	451.200
2	10:35:43	116.400	141.000	3041.000	194600.000	196300.000	66.680	190.400	442.100
3	10:36:26	113.100	139.100	3008.000	195400.000	195400.000	66.180	192.200	442.700
x		114.500	140.400	3028.000	195400.000	196600.000	66.880	192.900	445.400
σ		1.730	1.103	17.110	816.500	1336.000	0.824	2.831	5.103
%RSD		1.512	0.785	0.565	0.418	0.680	1.232	1.468	1.146
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	453.100	1347.000	1363.000	137.100	1.032	3.003	0.000	96.580
2	10:35:43	443.400	1342.000	1363.000	134.500	1.553	2.068	0.000	96.790
3	10:36:26	440.300	1330.000	1349.000	134.300	1.480	2.085	0.000	96.600
x		445.600	1340.000	1358.000	135.300	1.355	2.385	0.000	96.650
σ		6.660	9.021	8.215	1.576	0.282	0.535	0.000	0.117
%RSD		1.495	0.673	0.605	1.165	20.820	22.440	0.000	0.121
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	0.000	16.460	16.930	48.536%	2.629	2.517	5.132	4.541
2	10:35:43	0.000	17.100	17.030	48.231%	2.545	2.475	5.330	4.490
3	10:36:26	0.000	17.010	17.210	48.412%	2.520	2.445	5.031	4.480
x		0.000	16.860	17.060	48.393%	2.565	2.479	5.164	4.504
σ		0.000	0.345	0.139	0.153%	0.057	0.036	0.152	0.032
%RSD		0.000	2.048	0.814	0.316	2.231	1.454	2.938	0.718
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:00	54.228%	60.410	7.919	7.842	629.900	623.600	61.167%	61.498%
2	10:35:43	54.217%	61.240	7.786	7.949	631.500	629.600	61.387%	62.014%
3	10:36:26	55.036%	59.400	7.709	7.754	618.700	610.400	62.596%	62.561%
x		54.494%	60.350	7.805	7.848	626.700	621.200	61.717%	62.024%
σ		0.470%	0.923	0.106	0.097	7.008	9.814	0.769%	0.532%
%RSD		0.862	1.529	1.362	1.240	1.118	1.580	1.246	0.857
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	10:35:00	0.853	0.787	4353.000	4292.000	4273.000	65.550%		
2	10:35:43	0.832	0.842	4345.000	4301.000	4285.000	67.037%		
3	10:36:26	0.849	0.842	4305.000	4257.000	4230.000	67.928%		
x		0.845	0.823	4334.000	4283.000	4263.000	66.838%		
σ		0.011	0.031	25.500	23.270	29.020	1.202%		
%RSD		1.360	3.819	0.588	0.543	0.681	1.798		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	53.540%	4.318	18.810	20.180	0.000	263.700	19860.000	19580.000
2	10:43:58	53.357%	4.743	19.180	18.430	0.000	261.400	19750.000	19700.000
3	10:44:41	53.585%	4.546	19.760	19.460	0.000	261.500	19540.000	19430.000
x		53.494%	4.536	19.250	19.360	0.000	262.200	19720.000	19570.000
σ		0.121%	0.213	0.481	0.879	0.000	1.292	160.700	135.300
%RSD		0.225	4.694	2.498	4.543	0.000	0.493	0.815	0.691

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	72490.000	6379.000	0.000	7521.000	7543.000	7217.000	51.611%	1040.000
2	10:43:58	71940.000	6319.000	0.000	7488.000	7762.000	7254.000	50.458%	1051.000
3	10:44:41	71290.000	6269.000	0.000	7508.000	7525.000	7206.000	50.129%	1044.000
x		71910.000	6322.000	0.000	7506.000	7610.000	7225.000	50.733%	1045.000
σ		604.500	55.290	0.000	16.340	131.900	25.040	0.778%	5.199
%RSD		0.841	0.875	0.000	0.218	1.733	0.347	1.534	0.498

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	130.300	134.100	3509.000	186600.000	186900.000	70.610	171.300	208.200
2	10:43:58	130.900	132.900	3552.000	188400.000	189100.000	70.620	171.700	204.500
3	10:44:41	131.100	134.200	3543.000	189300.000	189400.000	71.220	169.100	204.900
x		130.800	133.700	3535.000	188100.000	188500.000	70.820	170.700	205.900
σ		0.430	0.679	22.530	1356.000	1359.000	0.347	1.394	2.016
%RSD		0.329	0.508	0.637	0.721	0.721	0.490	0.817	0.979

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	207.200	623.300	630.100	47.250	1.658	2.160	0.000	53.700
2	10:43:58	207.200	628.400	637.200	47.440	1.509	2.126	0.000	54.570
3	10:44:41	209.600	629.900	631.000	47.470	1.457	1.403	0.000	54.450
x		208.000	627.200	632.800	47.390	1.542	1.896	0.000	54.240
σ		1.394	3.442	3.865	0.117	0.104	0.427	0.000	0.473
%RSD		0.670	0.549	0.611	0.247	6.775	22.540	0.000	0.872

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	0.000	8.636	7.956	45.837%	0.634	0.534	3.189	2.912
2	10:43:58	0.000	8.443	8.570	44.866%	0.586	0.500	2.982	2.733
3	10:44:41	0.000	8.456	8.551	44.426%	0.644	0.520	2.813	2.515
x		0.000	8.511	8.359	45.043%	0.621	0.518	2.995	2.720
σ		0.000	0.108	0.349	0.722%	0.031	0.017	0.188	0.199
%RSD		0.000	1.267	4.180	1.604	5.040	3.297	6.284	7.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	51.277%	2.111	2.920	3.007	641.000	634.300	58.242%	58.166%
2	10:43:58	51.017%	2.152	3.032	3.013	634.700	637.000	57.032%	57.424%
3	10:44:41	50.500%	2.133	2.942	2.904	639.900	637.000	57.299%	57.496%
x		50.932%	2.132	2.965	2.975	638.500	636.100	57.524%	57.695%
σ		0.396%	0.020	0.059	0.061	3.364	1.552	0.636%	0.410%
%RSD		0.777	0.956	2.006	2.067	0.527	0.244	1.105	0.710

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:43:15	0.981	1.022	659.300	661.400	726.100	58.325%
2	10:43:58	1.014	1.034	664.900	667.100	658.000	56.172%
3	10:44:41	0.992	1.024	664.700	667.400	737.500	56.245%
x		0.996	1.027	663.000	665.300	707.200	56.914%
σ		0.017	0.006	3.145	3.361	42.980	1.222%
%RSD		1.673	0.625	0.474	0.505	6.077	2.148

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	54.707%	3.811	18.450	17.470	0.000	251.800	17790.000	17740.000
2	10:52:13	53.395%	3.975	20.610	18.010	0.000	266.400	18720.000	18740.000
3	10:52:56	53.781%	3.888	19.020	18.110	0.000	255.900	18070.000	17900.000
x		53.961%	3.891	19.360	17.860	0.000	258.000	18190.000	18130.000
σ		0.674%	0.082	1.123	0.343	0.000	7.516	476.200	541.200
%RSD		1.249	2.110	5.802	1.919	0.000	2.913	2.617	2.986

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	63760.000	5304.000	0.000	6761.000	9272.000	8679.000	53.764%	711.700
2	10:52:13	66830.000	5533.000	0.000	7196.000	9872.000	9401.000	51.331%	755.800
3	10:52:56	64250.000	5306.000	0.000	6936.000	9413.000	9032.000	51.049%	729.100
x		64940.000	5381.000	0.000	6964.000	9519.000	9038.000	52.048%	732.200
σ		1648.000	131.800	0.000	218.500	313.600	361.100	1.493%	22.210
%RSD		2.538	2.449	0.000	3.138	3.294	3.996	2.868	3.034

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	111.400	101.700	4776.000	193300.000	193600.000	87.150	184.200	180.100
2	10:52:13	119.000	109.700	5158.000	206900.000	207300.000	92.200	191.800	189.100
3	10:52:56	114.500	104.100	4940.000	200300.000	200300.000	89.040	186.500	184.500
x		115.000	105.200	4958.000	200200.000	200400.000	89.460	187.500	184.600
σ		3.825	4.098	191.500	6790.000	6819.000	2.551	3.888	4.524
%RSD		3.327	3.897	3.863	3.392	3.403	2.852	2.074	2.451

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	180.200	567.500	578.300	104.100	1.482	3.092	0.000	71.590
2	10:52:13	191.600	600.400	606.100	110.800	1.336	2.566	0.000	76.750
3	10:52:56	184.300	588.200	590.400	108.300	1.315	2.296	0.000	74.330
x		185.400	585.400	591.600	107.700	1.377	2.651	0.000	74.220
σ		5.803	16.660	13.940	3.369	0.091	0.405	0.000	2.584
%RSD		3.131	2.846	2.357	3.127	6.583	15.260	0.000	3.482

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	0.000	9.771	9.680	47.922%	0.417	0.328	2.602	2.219
2	10:52:13	0.000	10.690	10.890	45.715%	0.488	0.326	2.827	2.448
3	10:52:56	0.000	9.911	10.110	46.532%	0.448	0.342	2.758	2.401
x		0.000	10.120	10.230	46.723%	0.451	0.332	2.729	2.356
σ		0.000	0.493	0.614	1.116%	0.035	0.009	0.115	0.121
%RSD		0.000	4.868	6.002	2.388	7.865	2.575	4.228	5.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	53.962%	1.631	4.489	4.539	393.300	388.600	61.691%	61.939%
2	10:52:13	52.008%	1.794	4.698	4.664	421.000	419.400	60.442%	60.396%
3	10:52:56	52.468%	1.860	4.542	4.695	402.300	400.800	61.193%	61.089%
x		52.812%	1.762	4.576	4.633	405.500	402.900	61.109%	61.141%
σ		1.021%	0.118	0.109	0.083	14.100	15.500	0.629%	0.773%
%RSD		1.934	6.674	2.374	1.788	3.476	3.848	1.029	1.264

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:30	0.899	0.934	566.400	568.800	561.400	66.239%
2	10:52:13	1.005	0.995	615.000	618.700	675.700	63.666%
3	10:52:56	0.974	0.991	594.100	598.400	658.100	64.374%
x		0.959	0.973	591.800	595.300	631.700	64.760%
σ		0.055	0.034	24.400	25.120	61.540	1.329%
%RSD		5.686	3.513	4.123	4.220	9.742	2.052

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	60.020%	2.210	20.440	21.600	0.000	284.700	9026.000	8740.000
2	11:00:28	58.960%	2.472	22.060	21.010	0.000	287.700	9116.000	9073.000
3	11:01:12	58.426%	2.482	21.760	21.010	0.000	291.700	9090.000	9022.000
x		59.135%	2.388	21.420	21.210	0.000	288.000	9077.000	8945.000
σ		0.811%	0.154	0.860	0.342	0.000	3.528	46.300	179.300
%RSD		1.372	6.460	4.016	1.613	0.000	1.225	0.510	2.004

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	27430.000	6151.000	0.000	3402.000	28240.000	26460.000	56.478%	432.600
2	11:00:28	27750.000	6196.000	0.000	3440.000	28070.000	26770.000	55.517%	446.500
3	11:01:12	27350.000	6098.000	0.000	3409.000	27820.000	26490.000	54.581%	436.700
x		27510.000	6148.000	0.000	3417.000	28040.000	26570.000	55.525%	438.600
σ		209.800	49.200	0.000	19.880	211.300	170.000	0.949%	7.160
%RSD		0.763	0.800	0.000	0.582	0.754	0.640	1.708	1.632

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	46.890	78.470	3292.000	103400.000	103900.000	33.760	74.270	314.200
2	11:00:28	48.400	80.390	3340.000	104700.000	104100.000	33.620	74.550	312.000
3	11:01:12	47.780	79.830	3351.000	105100.000	105300.000	33.390	75.540	311.000
x		47.690	79.560	3328.000	104400.000	104400.000	33.590	74.790	312.400
σ		0.756	0.986	31.160	889.800	742.600	0.191	0.670	1.632
%RSD		1.585	1.239	0.936	0.853	0.711	0.567	0.895	0.522

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	315.100	5417.000	5485.000	25.580	0.662	1.699	0.000	125.400
2	11:00:28	316.200	5436.000	5550.000	24.880	0.291	1.141	0.000	126.600
3	11:01:12	312.700	5493.000	5574.000	25.240	0.476	1.716	0.000	127.300
x		314.700	5449.000	5536.000	25.240	0.477	1.519	0.000	126.400
σ		1.780	39.290	46.310	0.353	0.186	0.327	0.000	0.969
%RSD		0.566	0.721	0.836	1.399	38.930	21.540	0.000	0.767

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	0.000	4.789	4.867	51.116%	2.200	2.282	21.650	21.740
2	11:00:28	0.000	4.764	5.123	50.824%	2.303	2.285	22.400	22.000
3	11:01:12	0.000	5.043	4.977	50.549%	2.256	2.284	21.460	21.670
x		0.000	4.865	4.989	50.830%	2.253	2.283	21.840	21.800
σ		0.000	0.154	0.129	0.284%	0.052	0.002	0.499	0.178
%RSD		0.000	3.169	2.581	0.558	2.286	0.084	2.283	0.818

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	55.654%	13.620	20.340	20.410	669.700	666.300	61.529%	60.801%
2	11:00:28	55.495%	14.360	20.600	20.860	677.400	676.500	61.821%	61.743%
3	11:01:12	55.786%	14.150	20.390	20.600	679.000	669.800	61.489%	61.817%
x		55.645%	14.040	20.440	20.630	675.400	670.800	61.613%	61.453%
σ		0.146%	0.379	0.136	0.226	5.009	5.207	0.181%	0.566%
%RSD		0.262	2.699	0.666	1.095	0.742	0.776	0.294	0.921

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	10:59:46	0.536	0.499	766.200	769.900	848.900	60.844%
2	11:00:28	0.523	0.530	785.500	785.800	865.400	61.059%
3	11:01:12	0.530	0.511	778.500	777.300	858.000	61.915%
x		0.530	0.513	776.700	777.700	857.500	61.272%
σ		0.006	0.015	9.795	7.952	8.272	0.567%
%RSD		1.206	3.002	1.261	1.023	0.965	0.925

CCV 781130 4/29/2013 11:07:17 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	58.809%	102.800	102.800	101.800	0.000	51450.000	51040.000	50960.000
2	11:08:44	56.903%	103.200	106.700	104.000	0.000	52280.000	51800.000	51470.000
3	11:09:27	56.591%	101.700	106.000	103.300	0.000	51470.000	50710.000	50520.000
x		57.434%	102.562%	105.168%	103.032%	0.000	103.469%	102.375%	101.964%
σ		1.201%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.090	0.795	1.954	1.106	0.000	0.917	1.092	0.926

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	523.200	5446.000	0.000	51240.000	48070.000	46010.000	53.626%	102.000
2	11:08:44	525.300	5422.000	0.000	51940.000	48930.000	47090.000	51.528%	104.500
3	11:09:27	513.900	5293.000	0.000	50570.000	48660.000	46090.000	52.012%	101.100
x		104.157%	107.742%	0.000	102.506%	97.104%	92.796%	52.389%	102.533%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.099%	n/a
%RSD		1.161	1.524	0.000	1.333	0.910	1.301	2.097	1.762

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	101.000	101.700	463.300	26280.000	23890.000	104.100	107.200	105.900
2	11:08:44	102.900	102.700	475.500	26810.000	24210.000	104.200	106.400	105.800
3	11:09:27	101.300	101.000	465.800	26130.000	23860.000	102.700	106.700	104.100
x		101.733%	101.816%	93.636%	105.631%	95.941%	103.680%	106.740%	105.300%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.972	0.865	1.383	1.356	0.825	0.835	0.387	0.957

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	107.200	96.850	95.840	100.700	99.140	98.220	0.000	98.410
2	11:08:44	107.500	97.510	98.210	102.600	101.600	100.900	0.000	100.700
3	11:09:27	105.800	96.490	96.100	100.200	99.110	99.580	0.000	99.370
x		106.837%	96.949%	96.718%	101.179%	99.966%	99.551%	0.000	99.510%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.889	0.530	1.339	1.276	1.455	1.323	0.000	1.175

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	53.832%	106.200	107.800	49.034%	103.000	103.100	100.000	99.520
2	11:08:44	52.125%	108.900	112.000	47.485%	103.800	104.600	99.110	99.710
3	11:09:27	52.016%	108.300	111.000	47.240%	102.500	102.600	97.610	97.430
x		52.658%	107.814%	110.274%	47.920%	103.065%	103.450%	98.916%	98.887%
σ		1.018%	n/a	n/a	0.973%	n/a	n/a	n/a	n/a
%RSD		1.934	1.329	1.980	2.030	0.645	0.996	1.235	1.281

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	53.645%	97.890	95.360	95.720	101.500	100.700	58.812%	60.230%
2	11:08:44	52.780%	100.700	96.580	96.740	102.400	101.900	58.270%	59.406%
3	11:09:27	52.989%	98.310	95.500	95.980	99.670	99.800	58.890%	59.460%
x		53.138%	98.963%	95.811%	96.150%	101.191%	100.807%	58.658%	59.699%
σ		0.451%	n/a	n/a	n/a	n/a	n/a	0.338%	0.461%
%RSD		0.850	1.521	0.698	0.550	1.387	1.071	0.576	0.772

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:08:01	93.700	93.440	93.050	92.390	92.640	63.570%
2	11:08:44	94.520	94.240	93.620	94.120	93.840	63.140%
3	11:09:27	93.970	93.750	92.780	93.270	92.820	63.688%
x		94.066%	93.810%	93.151%	93.259%	93.102%	63.466%
σ		n/a	n/a	n/a	n/a	n/a	0.288%
%RSD		0.444	0.434	0.460	0.930	0.695	0.454

CCB9 4/29/2013 11:15:35 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	90.695%	0.027	0.656	0.734	0.000	3.508	7.633	7.742
2	11:17:01	93.060%	0.026	0.577	0.577	0.000	4.891	9.797	9.236
3	11:17:44	94.290%	0.025	0.256	0.448	0.000	7.633	11.940	11.800
x		92.681%	0.026	0.496	0.586	0.000	5.344	9.791	9.594
σ		1.827%	0.001	0.212	0.143	0.000	2.099	2.154	2.054
%RSD		1.972	3.283	42.680	24.460	0.000	39.280	22.000	21.410

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	2.766	1.242	0.000	-2.882	14.100	7.006	78.987%	-0.039
2	11:17:01	3.067	6.432	0.000	-2.165	14.750	9.958	80.855%	-0.045
3	11:17:44	3.618	2.223	0.000	0.662	14.230	11.800	83.584%	-0.090
x		3.150	3.299	0.000	-1.461	14.360	9.587	81.142%	-0.058
σ		0.432	2.757	0.000	1.874	0.342	2.417	2.312%	0.028
%RSD		13.710	83.570	0.000	128.200	2.380	25.210	2.849	47.840

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	0.030	-0.016	0.359	6.043	8.472	0.013	0.054	0.051
2	11:17:01	0.040	-0.027	0.443	8.474	10.360	0.032	0.057	0.050
3	11:17:44	0.033	-0.012	0.579	9.993	12.370	0.024	0.059	0.091
x		0.034	-0.018	0.460	8.170	10.400	0.023	0.056	0.064
σ		0.005	0.008	0.111	1.993	1.949	0.009	0.002	0.024
%RSD		14.270	42.340	24.130	24.390	18.730	40.560	3.908	36.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	0.085	0.353	0.293	-0.198	0.031	-0.563	0.000	0.047
2	11:17:01	0.109	0.293	0.354	-0.191	-0.184	-0.631	0.000	0.048
3	11:17:44	0.116	0.392	0.327	-0.400	-0.256	-1.344	0.000	0.058
x		0.103	0.346	0.324	-0.263	-0.137	-0.846	0.000	0.051
σ		0.016	0.050	0.031	0.119	0.149	0.432	0.000	0.006
%RSD		15.880	14.420	9.440	45.250	109.500	51.100	0.000	12.630

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	68.083%	0.241	0.289	79.740%	0.003	0.006	-0.014	-0.002
2	11:17:01	69.784%	0.246	0.244	81.600%	0.006	0.011	0.047	0.046
3	11:17:44	71.504%	0.240	0.239	83.556%	0.021	0.014	0.055	0.042
x		69.791%	0.242	0.258	81.632%	0.010	0.010	0.029	0.029
σ		1.711%	0.003	0.028	1.908%	0.010	0.004	0.038	0.027
%RSD		2.451	1.332	10.730	2.338	95.520	36.350	130.000	93.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	84.063%	0.101	0.024	0.019	0.027	0.044	84.215%	84.066%
2	11:17:01	85.880%	0.138	0.032	0.029	0.039	0.077	86.696%	87.528%
3	11:17:44	88.912%	0.109	0.034	0.034	0.036	0.099	90.326%	91.050%
x		86.285%	0.116	0.030	0.028	0.034	0.073	87.079%	87.548%
σ		2.450%	0.020	0.005	0.007	0.006	0.028	3.073%	3.492%
%RSD		2.839	16.810	17.980	27.130	17.540	38.110	3.529	3.988

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:18	-0.004	-0.007	0.025	0.025	0.024	84.412%
2	11:17:01	-0.001	-0.001	0.036	0.029	0.033	88.544%
3	11:17:44	0.003	0.006	0.043	0.044	0.046	92.337%
x		-0.000	-0.000	0.035	0.032	0.034	88.431%
σ		0.003	0.007	0.009	0.010	0.011	3.963%
%RSD		667.300	1434.000	25.910	31.030	32.330	4.482

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	57.309%	0.885	6.623	7.048	0.000	152.400	1157.000	1137.000
2	11:25:20	56.732%	0.805	6.926	6.929	0.000	152.000	1143.000	1129.000
3	11:26:04	57.504%	0.795	6.479	6.789	0.000	149.300	1120.000	1117.000
x		57.182%	0.828	6.676	6.922	0.000	151.200	1140.000	1128.000
σ		0.401%	0.049	0.228	0.130	0.000	1.700	18.920	10.470
%RSD		0.702	5.965	3.421	1.874	0.000	1.124	1.660	0.928

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	8611.000	3850.000	0.000	2675.000	1281.000	1185.000	53.588%	136.400
2	11:25:20	8336.000	3795.000	0.000	2598.000	1281.000	1158.000	52.917%	135.600
3	11:26:04	8282.000	3643.000	0.000	2589.000	1114.000	1135.000	52.817%	135.900
x		8410.000	3763.000	0.000	2621.000	1226.000	1159.000	53.108%	136.000
σ		176.600	107.300	0.000	47.260	96.220	24.970	0.419%	0.392
%RSD		2.100	2.850	0.000	1.804	7.851	2.154	0.789	0.288

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	24.600	19.580	2077.000	46690.000	42040.000	20.270	28.220	25.730
2	11:25:20	24.340	18.920	2042.000	45850.000	41270.000	19.650	27.350	24.500
3	11:26:04	24.260	18.770	2043.000	45770.000	41310.000	19.560	27.250	24.470
x		24.400	19.090	2054.000	46100.000	41540.000	19.830	27.600	24.900
σ		0.176	0.428	19.570	511.500	436.500	0.386	0.532	0.722
%RSD		0.723	2.240	0.953	1.109	1.051	1.946	1.928	2.898

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	25.840	120.000	120.900	8.695	0.099	0.637	0.000	18.090
2	11:25:20	25.120	118.600	119.400	8.607	0.083	0.487	0.000	17.920
3	11:26:04	25.050	118.000	118.500	8.085	-0.104	0.258	0.000	17.940
x		25.340	118.900	119.600	8.462	0.026	0.461	0.000	17.980
σ		0.434	0.997	1.194	0.330	0.113	0.191	0.000	0.091
%RSD		1.714	0.839	0.998	3.899	433.600	41.410	0.000	0.503

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	0.000	1.965	2.071	49.866%	0.074	0.030	0.693	0.642
2	11:25:20	0.000	2.042	1.982	49.595%	0.058	0.035	0.771	0.635
3	11:26:04	0.000	2.149	2.115	49.118%	0.080	0.037	0.862	0.706
x		0.000	2.052	2.056	49.526%	0.070	0.034	0.775	0.661
σ		0.000	0.093	0.068	0.379%	0.011	0.004	0.085	0.039
%RSD		0.000	4.520	3.293	0.765	15.890	10.760	10.960	5.868

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	54.491%	3.234	1.646	1.607	301.200	299.200	60.232%	60.647%
2	11:25:20	54.227%	3.386	1.647	1.631	294.800	293.600	60.548%	60.862%
3	11:26:04	53.703%	3.230	1.609	1.600	296.800	294.000	60.185%	60.715%
x		54.140%	3.284	1.634	1.613	297.600	295.600	60.322%	60.741%
σ		0.401%	0.089	0.021	0.016	3.295	3.144	0.197%	0.110%
%RSD		0.741	2.706	1.306	1.009	1.107	1.064	0.327	0.181

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:24:37	0.489	0.457	38.620	37.800	37.860	69.781%
2	11:25:20	0.476	0.469	38.820	37.900	38.040	69.106%
3	11:26:04	0.509	0.449	38.240	37.620	37.550	69.826%
x		0.491	0.458	38.560	37.770	37.820	69.571%
σ		0.016	0.010	0.296	0.145	0.247	0.403%
%RSD		3.325	2.170	0.768	0.383	0.652	0.580

240-22559-L-6-A 4/29/2013 11:32:11 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	55.822%	1.924	9.253	8.696	0.000	126.600	1547.000	1532.000
2	11:33:37	55.004%	1.978	8.737	8.947	0.000	127.600	1533.000	1514.000
3	11:34:20	54.367%	2.030	8.835	8.927	0.000	130.900	1526.000	1518.000
x		55.065%	1.977	8.942	8.857	0.000	128.400	1535.000	1521.000
σ		0.729%	0.053	0.275	0.139	0.000	2.257	10.280	9.328
%RSD		1.325	2.668	3.070	1.570	0.000	1.758	0.670	0.613

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	12740.000	4690.000	0.000	3065.000	1846.000	1791.000	52.011%	237.900
2	11:33:37	12540.000	3886.000	0.000	3061.000	1892.000	1779.000	50.853%	237.600
3	11:34:20	12540.000	3809.000	0.000	3007.000	1817.000	1784.000	50.921%	231.400
x		12610.000	4129.000	0.000	3044.000	1851.000	1785.000	51.262%	235.700
σ		113.800	487.600	0.000	32.430	37.900	5.702	0.650%	3.667
%RSD		0.903	11.810	0.000	1.065	2.047	0.319	1.267	1.556

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	44.700	35.890	748.300	119500.000	119900.000	27.230	35.200	30.490
2	11:33:37	44.050	35.610	752.600	119300.000	119100.000	26.800	33.310	29.770
3	11:34:20	44.240	35.270	743.000	119700.000	119500.000	26.740	33.700	29.920
x		44.330	35.590	747.900	119500.000	119500.000	26.920	34.070	30.060
σ		0.332	0.310	4.797	211.500	414.000	0.270	0.999	0.380
%RSD		0.750	0.870	0.641	0.177	0.347	1.002	2.933	1.263

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	32.150	166.500	168.300	12.310	0.294	0.766	0.000	12.070
2	11:33:37	30.110	168.100	170.700	12.480	0.215	0.721	0.000	12.380
3	11:34:20	30.570	166.300	170.300	12.580	0.076	1.012	0.000	12.410
x		30.940	167.000	169.800	12.450	0.195	0.833	0.000	12.280
σ		1.070	1.008	1.262	0.137	0.111	0.156	0.000	0.191
%RSD		3.459	0.604	0.743	1.097	56.760	18.780	0.000	1.555

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	0.000	1.481	1.520	47.541%	0.075	0.050	0.994	0.778
2	11:33:37	0.000	1.584	1.671	47.057%	0.097	0.050	1.089	0.854
3	11:34:20	0.000	1.492	1.643	46.547%	0.083	0.059	1.046	0.803
x		0.000	1.519	1.611	47.048%	0.085	0.053	1.043	0.812
σ		0.000	0.057	0.080	0.497%	0.011	0.005	0.048	0.039
%RSD		0.000	3.721	4.954	1.057	12.730	9.631	4.580	4.743

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	51.916%	2.530	0.648	0.622	100.400	98.470	57.806%	58.177%
2	11:33:37	51.579%	2.610	0.643	0.682	99.130	97.730	58.850%	59.172%
3	11:34:20	51.485%	2.537	0.684	0.637	98.520	99.030	59.051%	59.608%
x		51.660%	2.559	0.658	0.647	99.350	98.410	58.569%	58.986%
σ		0.227%	0.044	0.022	0.031	0.967	0.652	0.668%	0.733%
%RSD		0.439	1.723	3.340	4.856	0.973	0.663	1.141	1.243

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:32:54	0.415	0.354	72.250	71.550	71.450	60.628%
2	11:33:37	0.369	0.383	72.150	71.610	71.490	63.080%
3	11:34:20	0.401	0.373	73.250	72.720	72.650	63.518%
x		0.395	0.370	72.550	71.960	71.860	62.409%
σ		0.024	0.015	0.607	0.661	0.680	1.558%
%RSD		5.973	4.021	0.837	0.918	0.947	2.496

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	55.329%	0.490	2.273	2.261	0.000	34.310	308.300	305.000
2	11:41:54	55.641%	0.541	2.121	2.167	0.000	35.440	313.600	306.600
3	11:42:37	55.991%	0.447	1.647	1.945	0.000	35.360	297.700	297.200
x		55.654%	0.492	2.014	2.124	0.000	35.040	306.500	302.900
σ		0.331%	0.047	0.327	0.163	0.000	0.633	8.107	5.047
%RSD		0.596	9.560	16.220	7.651	0.000	1.807	2.645	1.666

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	2533.000	908.600	0.000	560.800	402.600	355.000	50.716%	48.820
2	11:41:54	2553.000	915.900	0.000	570.100	374.200	354.000	50.387%	48.690
3	11:42:37	2465.000	891.800	0.000	554.900	365.100	345.500	50.285%	48.410
x		2517.000	905.400	0.000	561.900	380.600	351.500	50.463%	48.640
σ		45.870	12.330	0.000	7.687	19.540	5.205	0.225%	0.206
%RSD		1.822	1.362	0.000	1.368	5.134	1.481	0.446	0.423

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	8.759	6.820	147.600	23640.000	21030.000	5.353	6.946	6.215
2	11:41:54	8.638	6.781	147.400	23740.000	21300.000	5.112	6.939	6.010
3	11:42:37	8.504	6.865	144.800	23160.000	20750.000	5.043	6.382	5.970
x		8.634	6.822	146.600	23510.000	21020.000	5.169	6.756	6.065
σ		0.127	0.042	1.565	306.400	274.900	0.163	0.324	0.131
%RSD		1.472	0.614	1.067	1.303	1.308	3.149	4.793	2.166

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	6.229	38.200	38.940	2.530	-0.131	-0.534	0.000	2.170
2	11:41:54	6.216	40.090	40.020	2.578	-0.314	-0.479	0.000	2.142
3	11:42:37	5.862	37.570	38.730	2.140	-0.253	-1.024	0.000	2.127
x		6.102	38.620	39.230	2.416	-0.233	-0.679	0.000	2.146
σ		0.208	1.309	0.691	0.240	0.093	0.300	0.000	0.021
%RSD		3.417	3.389	1.762	9.953	40.050	44.170	0.000	1.001

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	53.825%	0.287	0.295	47.923%	0.016	0.000	0.362	0.277
2	11:41:54	54.416%	0.287	0.308	48.559%	0.005	-0.001	0.359	0.262
3	11:42:37	54.359%	0.266	0.306	47.836%	0.014	0.007	0.294	0.212
x		54.200%	0.280	0.303	48.106%	0.012	0.002	0.338	0.250
σ		0.326%	0.012	0.007	0.395%	0.006	0.004	0.038	0.034
%RSD		0.601	4.369	2.402	0.821	53.310	219.400	11.310	13.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	51.857%	0.531	0.139	0.156	19.830	19.150	57.002%	57.297%
2	11:41:54	52.865%	0.552	0.129	0.123	19.290	19.500	57.936%	58.617%
3	11:42:37	52.274%	0.578	0.132	0.142	18.760	19.410	57.737%	58.303%
x		52.332%	0.554	0.133	0.141	19.290	19.350	57.558%	58.073%
σ		0.507%	0.024	0.005	0.017	0.535	0.180	0.492%	0.689%
%RSD		0.968	4.297	3.808	11.750	2.775	0.930	0.855	1.187

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:11	0.068	0.061	13.900	14.000	13.720	68.432%
2	11:41:54	0.058	0.058	14.160	13.800	13.870	68.417%
3	11:42:37	0.064	0.055	13.880	13.490	13.580	65.466%
x		0.063	0.058	13.980	13.770	13.720	67.438%
σ		0.005	0.003	0.160	0.258	0.148	1.708%
%RSD		7.390	5.444	1.143	1.874	1.078	2.533

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	56.328%	2.065	8.827	8.564	0.000	151.900	1458.000	1459.000
2	11:50:11	55.783%	1.956	8.804	8.874	0.000	152.600	1449.000	1457.000
3	11:50:54	56.517%	2.092	8.248	8.287	0.000	150.500	1446.000	1428.000
x		56.209%	2.038	8.627	8.575	0.000	151.700	1451.000	1448.000
σ		0.381%	0.072	0.328	0.294	0.000	1.058	6.170	17.480
%RSD		0.678	3.521	3.804	3.429	0.000	0.698	0.425	1.207
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	12050.000	3908.000	0.000	3047.000	1923.000	1778.000	52.230%	236.500
2	11:50:11	11940.000	3835.000	0.000	3030.000	1853.000	1772.000	51.849%	224.900
3	11:50:54	11860.000	3548.000	0.000	3012.000	1912.000	1783.000	51.429%	229.500
x		11950.000	3764.000	0.000	3029.000	1896.000	1778.000	51.836%	230.300
σ		93.930	190.600	0.000	17.530	37.960	5.446	0.401%	5.796
%RSD		0.786	5.064	0.000	0.579	2.002	0.306	0.773	2.517
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	44.310	36.210	740.600	120700.000	120300.000	28.440	34.050	30.090
2	11:50:11	43.480	35.460	720.600	120500.000	119400.000	27.850	33.910	29.420
3	11:50:54	43.490	35.500	738.500	120100.000	119400.000	28.050	34.730	29.970
x		43.760	35.720	733.200	120400.000	119700.000	28.110	34.230	29.820
σ		0.481	0.422	11.000	310.200	519.500	0.302	0.440	0.356
%RSD		1.099	1.183	1.500	0.258	0.434	1.075	1.285	1.193
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	29.630	166.800	168.500	13.480	0.041	1.167	0.000	12.000
2	11:50:11	29.940	168.000	167.100	12.870	0.304	0.825	0.000	12.040
3	11:50:54	29.740	169.600	168.700	13.230	0.231	0.280	0.000	12.150
x		29.770	168.100	168.100	13.190	0.192	0.757	0.000	12.060
σ		0.157	1.431	0.883	0.310	0.136	0.447	0.000	0.080
%RSD		0.528	0.851	0.525	2.352	70.780	59.080	0.000	0.661
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	0.000	1.559	1.583	47.582%	0.093	0.047	1.071	0.829
2	11:50:11	0.000	1.700	1.508	47.551%	0.090	0.035	1.066	0.934
3	11:50:54	0.000	1.570	1.615	46.887%	0.093	0.037	1.043	0.841
x		0.000	1.610	1.568	47.340%	0.092	0.039	1.060	0.868
σ		0.000	0.078	0.055	0.393%	0.001	0.006	0.015	0.057
%RSD		0.000	4.877	3.503	0.830	1.589	16.200	1.399	6.625
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:28	52.448%	2.502	0.841	0.821	94.280	94.930	58.498%	58.978%
2	11:50:11	52.343%	2.606	0.803	0.904	94.000	93.720	58.708%	58.993%
3	11:50:54	51.890%	2.792	0.824	0.828	94.510	94.780	59.127%	59.150%
x		52.227%	2.633	0.823	0.851	94.260	94.470	58.777%	59.041%
σ		0.297%	0.147	0.019	0.046	0.258	0.661	0.320%	0.095%
%RSD		0.569	5.587	2.298	5.416	0.274	0.699	0.545	0.161
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:49:28	0.376	0.346	72.640	71.460	71.490	64.339%		
2	11:50:11	0.342	0.355	71.790	71.150	70.670	65.823%		
3	11:50:54	0.350	0.354	73.750	73.000	72.890	64.754%		
x		0.356	0.351	72.720	71.870	71.690	64.972%		
σ		0.018	0.005	0.982	0.992	1.124	0.766%		
%RSD		5.023	1.332	1.351	1.380	1.569	1.179		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	51.461%	45.040	852.500	859.800	0.000	48250.000	49360.000	49050.000
2	11:58:29	51.936%	44.400	851.600	861.600	0.000	47740.000	48930.000	48670.000
3	11:59:12	51.284%	44.880	867.100	872.500	0.000	47940.000	48880.000	48910.000
x		51.560%	44.780	857.100	864.600	0.000	47980.000	49060.000	48880.000
σ		0.337%	0.333	8.723	6.880	0.000	256.400	266.000	194.500
%RSD		0.654	0.743	1.018	0.796	0.000	0.534	0.542	0.398

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	37470.000	16950.000	0.000	51080.000	47080.000	44350.000	47.657%	1175.000
2	11:58:29	36930.000	16580.000	0.000	50440.000	46440.000	44590.000	47.338%	1159.000
3	11:59:12	37200.000	16740.000	0.000	50620.000	47120.000	44800.000	47.087%	1160.000
x		37200.000	16760.000	0.000	50710.000	46880.000	44580.000	47.361%	1165.000
σ		270.600	182.300	0.000	331.100	379.700	227.500	0.286%	8.814
%RSD		0.727	1.088	0.000	0.653	0.810	0.510	0.604	0.757

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	538.200	238.400	1339.000	122900.000	122600.000	506.800	517.300	265.600
2	11:58:29	536.300	235.800	1336.000	122100.000	122500.000	501.700	514.400	263.700
3	11:59:12	538.300	235.400	1338.000	122800.000	122800.000	500.300	511.900	260.600
x		537.600	236.500	1338.000	122600.000	122600.000	502.900	514.500	263.300
σ		1.132	1.660	1.505	462.100	179.100	3.384	2.663	2.489
%RSD		0.211	0.702	0.113	0.377	0.146	0.673	0.517	0.945

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	268.100	585.800	590.400	41.150	3.739	3.825	0.000	1004.000
2	11:58:29	268.500	587.800	588.300	40.450	3.729	4.478	0.000	1007.000
3	11:59:12	263.700	592.000	591.500	40.640	4.088	4.666	0.000	1015.000
x		266.700	588.500	590.100	40.740	3.852	4.323	0.000	1009.000
σ		2.653	3.182	1.620	0.362	0.205	0.442	0.000	5.800
%RSD		0.995	0.541	0.275	0.889	5.313	10.210	0.000	0.575

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	0.000	975.600	975.100	41.885%	45.950	46.150	44.260	39.100
2	11:58:29	0.000	975.900	983.000	41.717%	46.520	45.930	43.870	38.790
3	11:59:12	0.000	990.400	993.700	41.230%	46.430	46.190	43.770	39.920
x		0.000	980.600	983.900	41.611%	46.300	46.090	43.970	39.270
σ		0.000	8.470	9.307	0.340%	0.306	0.142	0.262	0.585
%RSD		0.000	0.864	0.946	0.817	0.660	0.308	0.597	1.491

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	46.821%	1550.000	337.000	338.100	1960.000	1961.000	54.235%	54.791%
2	11:58:29	47.425%	1542.000	338.500	339.400	1942.000	1928.000	55.069%	55.388%
3	11:59:12	46.873%	1552.000	339.100	339.800	1968.000	1947.000	53.939%	54.614%
x		47.039%	1548.000	338.200	339.100	1956.000	1945.000	54.414%	54.931%
σ		0.335%	5.037	1.078	0.855	13.360	16.890	0.586%	0.406%
%RSD		0.711	0.325	0.319	0.252	0.683	0.869	1.077	0.739

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:46	43.630	43.500	92.930	93.440	92.830	58.106%
2	11:58:29	43.550	43.140	91.710	93.230	91.960	58.555%
3	11:59:12	44.020	43.810	93.650	94.270	93.250	57.054%
x		43.740	43.480	92.760	93.650	92.680	57.905%
σ		0.252	0.334	0.980	0.550	0.657	0.770%
%RSD		0.575	0.769	1.056	0.588	0.709	1.330

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	50.841%	47.840	960.500	967.200	0.000	53440.000	53990.000	53780.000
2	12:06:45	50.009%	50.180	995.700	991.700	0.000	54010.000	53990.000	54080.000
3	12:07:28	49.844%	50.960	994.600	993.400	0.000	53730.000	53990.000	53950.000
x		50.231%	49.660	983.600	984.100	0.000	53730.000	53990.000	53940.000
σ		0.534%	1.626	20.010	14.640	0.000	287.600	2.588	151.700
%RSD		1.064	3.273	2.034	1.488	0.000	0.535	0.005	0.281

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	14140.000	14900.000	0.000	55140.000	53040.000	49650.000	46.216%	1270.000
2	12:06:45	13980.000	14800.000	0.000	55420.000	52600.000	49860.000	46.047%	1261.000
3	12:07:28	14040.000	14710.000	0.000	55460.000	53250.000	49330.000	45.778%	1264.000
x		14050.000	14800.000	0.000	55340.000	52960.000	49610.000	46.014%	1265.000
σ		77.810	96.350	0.000	176.300	331.600	266.500	0.221%	4.652
%RSD		0.554	0.651	0.000	0.319	0.626	0.537	0.479	0.368

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	574.400	245.500	1347.000	116400.000	115600.000	557.100	563.800	869.800
2	12:06:45	566.600	242.300	1339.000	115800.000	115900.000	558.000	559.100	876.400
3	12:07:28	566.100	242.400	1338.000	115200.000	115300.000	548.500	554.600	873.400
x		569.100	243.400	1341.000	115800.000	115600.000	554.500	559.200	873.200
σ		4.670	1.850	4.887	577.700	310.900	5.247	4.603	3.309
%RSD		0.821	0.760	0.364	0.499	0.269	0.946	0.823	0.379

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	881.400	606.200	611.800	48.790	8.751	8.981	0.000	1116.000
2	12:06:45	878.400	607.900	618.100	48.200	9.040	9.449	0.000	1279.000
3	12:07:28	880.000	606.400	612.800	47.600	8.224	9.250	0.000	1128.000
x		879.900	606.800	614.200	48.200	8.671	9.227	0.000	1174.000
σ		1.511	0.958	3.373	0.595	0.414	0.234	0.000	91.100
%RSD		0.172	0.158	0.549	1.234	4.771	2.541	0.000	7.757

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	0.000	1213.000	1224.000	39.520%	53.150	52.650	48.820	41.860
2	12:06:45	0.000	1215.000	1243.000	39.431%	52.930	53.370	50.130	43.160
3	12:07:28	0.000	1232.000	1242.000	39.352%	53.340	52.890	49.380	42.650
x		0.000	1220.000	1236.000	39.435%	53.140	52.970	49.440	42.560
σ		0.000	10.530	10.440	0.084%	0.205	0.369	0.660	0.651
%RSD		0.000	0.863	0.844	0.213	0.387	0.696	1.335	1.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	46.306%	2044.000	457.400	458.200	2135.000	2120.000	53.600%	53.534%
2	12:06:45	46.197%	2071.000	462.400	466.100	2157.000	2134.000	54.069%	54.383%
3	12:07:28	46.349%	2063.000	460.400	465.500	2144.000	2124.000	54.299%	54.588%
x		46.284%	2059.000	460.000	463.300	2145.000	2126.000	53.989%	54.168%
σ		0.079%	13.900	2.532	4.432	11.150	7.053	0.356%	0.559%
%RSD		0.170	0.675	0.550	0.957	0.520	0.332	0.660	1.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:02	48.340	48.030	88.970	90.300	89.120	54.886%
2	12:06:45	48.330	48.420	90.640	90.640	90.290	56.429%
3	12:07:28	49.070	48.910	91.470	92.270	91.690	56.571%
x		48.580	48.450	90.360	91.070	90.370	55.962%
σ		0.422	0.443	1.272	1.055	1.282	0.934%
%RSD		0.868	0.914	1.408	1.158	1.419	1.670

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	53.581%	1.615	20.350	20.440	0.000	151.600	3815.000	3737.000
2	12:14:59	52.767%	1.807	20.370	19.830	0.000	156.300	3841.000	3849.000
3	12:15:42	52.720%	1.674	18.910	19.460	0.000	153.800	3830.000	3823.000
x		53.023%	1.698	19.880	19.910	0.000	153.900	3828.000	3803.000
σ		0.484%	0.098	0.835	0.495	0.000	2.349	12.950	58.310
%RSD		0.913	5.789	4.198	2.486	0.000	1.527	0.338	1.533

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	18620.000	3784.000	0.000	3296.000	1032.000	1001.000	48.470%	249.900
2	12:14:59	18950.000	4158.000	0.000	3340.000	997.800	1011.000	48.359%	253.600
3	12:15:42	18780.000	3836.000	0.000	3331.000	1107.000	1026.000	47.672%	250.600
x		18780.000	3926.000	0.000	3322.000	1046.000	1013.000	48.167%	251.400
σ		165.800	202.400	0.000	22.910	56.080	12.820	0.432%	1.959
%RSD		0.883	5.155	0.000	0.690	5.363	1.266	0.898	0.779

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	36.340	31.180	389.100	69480.000	68930.000	16.020	47.060	81.620
2	12:14:59	36.420	30.830	398.400	70370.000	69580.000	16.340	48.260	82.010
3	12:15:42	36.610	31.120	397.400	70570.000	70430.000	16.220	48.690	82.390
x		36.460	31.040	395.000	70140.000	69650.000	16.190	48.000	82.000
σ		0.138	0.189	5.087	578.500	755.000	0.160	0.847	0.386
%RSD		0.380	0.609	1.288	0.825	1.084	0.989	1.765	0.471

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	81.550	306.900	311.000	20.630	0.038	0.550	0.000	10.540
2	12:14:59	83.150	315.400	316.900	20.260	0.030	-0.270	0.000	10.800
3	12:15:42	82.510	312.600	317.900	19.610	0.253	-0.425	0.000	11.100
x		82.400	311.600	315.300	20.170	0.107	-0.049	0.000	10.810
σ		0.805	4.353	3.751	0.517	0.127	0.524	0.000	0.279
%RSD		0.977	1.397	1.190	2.565	117.900	1080.000	0.000	2.580

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	0.000	3.373	3.231	45.686%	0.228	0.259	0.873	0.857
2	12:14:59	0.000	3.179	3.081	45.214%	0.250	0.228	0.835	0.753
3	12:15:42	0.000	3.062	3.060	44.518%	0.289	0.223	0.926	0.745
x		0.000	3.205	3.124	45.139%	0.256	0.237	0.878	0.785
σ		0.000	0.157	0.093	0.588%	0.031	0.019	0.046	0.062
%RSD		0.000	4.904	2.986	1.302	12.090	8.068	5.259	7.927

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	50.345%	4.202	2.056	2.063	251.200	249.100	55.634%	56.682%
2	12:14:59	49.735%	3.879	1.755	1.856	255.600	254.800	55.906%	56.657%
3	12:15:42	49.645%	3.683	1.539	1.464	254.100	254.100	55.210%	55.439%
x		49.908%	3.921	1.783	1.794	253.600	252.700	55.583%	56.259%
σ		0.381%	0.262	0.260	0.304	2.227	3.077	0.351%	0.710%
%RSD		0.763	6.677	14.580	16.970	0.878	1.218	0.631	1.263

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:16	0.368	0.330	215.100	213.400	212.400	64.334%
2	12:14:59	0.332	0.340	223.200	222.600	219.800	64.020%
3	12:15:42	0.363	0.318	220.900	221.300	218.500	61.643%
x		0.354	0.330	219.700	219.100	216.900	63.332%
σ		0.019	0.011	4.154	4.977	3.985	1.471%
%RSD		5.479	3.309	1.891	2.271	1.837	2.323

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	54.168%	1.939	16.880	16.050	0.000	211.200	7424.000	7412.000
2	12:23:14	52.646%	2.039	16.830	16.730	0.000	212.500	7457.000	7439.000
3	12:23:57	53.144%	2.070	16.100	15.980	0.000	208.800	7520.000	7465.000
x		53.319%	2.016	16.600	16.250	0.000	210.900	7467.000	7439.000
σ		0.776%	0.069	0.439	0.413	0.000	1.871	48.470	26.570
%RSD		1.455	3.406	2.645	2.541	0.000	0.887	0.649	0.357
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	33890.000	5757.000	0.000	4784.000	4222.000	4003.000	49.878%	510.000
2	12:23:14	34100.000	5753.000	0.000	4768.000	4267.000	4102.000	49.881%	511.300
3	12:23:57	34360.000	5787.000	0.000	4812.000	4339.000	4138.000	49.423%	504.800
x		34110.000	5765.000	0.000	4788.000	4276.000	4081.000	49.728%	508.700
σ		236.400	18.710	0.000	22.150	59.000	69.910	0.264%	3.468
%RSD		0.693	0.325	0.000	0.463	1.380	1.713	0.530	0.682
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	68.320	56.660	2808.000	117800.000	117400.000	40.740	82.470	89.040
2	12:23:14	68.210	56.210	2794.000	116500.000	116100.000	40.310	80.350	87.480
3	12:23:57	67.750	57.390	2826.000	117800.000	116800.000	40.360	81.040	88.140
x		68.090	56.750	2810.000	117400.000	116800.000	40.470	81.290	88.220
σ		0.304	0.595	16.150	755.600	651.500	0.237	1.082	0.788
%RSD		0.447	1.049	0.575	0.644	0.558	0.586	1.332	0.893
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	90.500	286.700	287.900	46.860	0.839	0.892	0.000	24.690
2	12:23:14	88.820	287.300	288.700	46.520	0.804	1.370	0.000	25.190
3	12:23:57	87.440	287.200	290.500	47.830	0.672	1.461	0.000	24.890
x		88.920	287.100	289.100	47.070	0.772	1.241	0.000	24.920
σ		1.535	0.362	1.329	0.676	0.088	0.306	0.000	0.251
%RSD		1.726	0.126	0.460	1.436	11.390	24.660	0.000	1.005
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	0.000	5.641	5.666	45.215%	0.156	0.096	1.084	0.815
2	12:23:14	0.000	5.585	5.633	44.748%	0.166	0.122	0.974	0.808
3	12:23:57	0.000	5.597	5.639	44.946%	0.131	0.104	0.948	0.890
x		0.000	5.608	5.646	44.970%	0.151	0.107	1.002	0.838
σ		0.000	0.029	0.018	0.234%	0.018	0.013	0.072	0.045
%RSD		0.000	0.521	0.311	0.521	11.830	12.130	7.234	5.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:31	49.338%	2.738	0.997	1.090	302.600	299.900	55.471%	55.736%
2	12:23:14	49.776%	2.694	0.999	1.040	299.500	297.200	55.947%	56.342%
3	12:23:57	50.296%	2.620	0.920	0.985	296.600	296.900	56.112%	56.705%
x		49.804%	2.684	0.972	1.038	299.500	298.000	55.843%	56.261%
σ		0.480%	0.060	0.045	0.053	3.014	1.630	0.333%	0.489%
%RSD		0.963	2.230	4.656	5.094	1.006	0.547	0.597	0.869
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:22:31	0.716	0.748	96.310	94.960	94.820	60.655%		
2	12:23:14	0.727	0.727	95.440	94.970	94.500	62.243%		
3	12:23:57	0.747	0.737	96.040	95.990	95.240	62.326%		
x		0.730	0.737	95.930	95.310	94.860	61.741%		
σ		0.016	0.011	0.447	0.593	0.370	0.942%		
%RSD		2.154	1.457	0.466	0.622	0.390	1.525		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	53.790%	2.177	15.940	16.180	0.000	230.100	8328.000	8306.000
2	12:31:29	54.012%	2.020	16.730	15.520	0.000	230.100	8236.000	8180.000
3	12:32:12	54.560%	2.071	15.950	16.150	0.000	225.400	8166.000	8217.000
x		54.120%	2.089	16.210	15.950	0.000	228.500	8243.000	8235.000
σ		0.396%	0.080	0.453	0.369	0.000	2.704	81.170	64.860
%RSD		0.732	3.835	2.796	2.314	0.000	1.183	0.985	0.788
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	39040.000	6805.000	0.000	5089.000	5939.000	5737.000	50.605%	507.900
2	12:31:29	38370.000	6703.000	0.000	5076.000	6060.000	5734.000	50.682%	509.800
3	12:32:12	38270.000	6643.000	0.000	5035.000	6068.000	5619.000	50.441%	507.900
x		38560.000	6717.000	0.000	5067.000	6022.000	5696.000	50.576%	508.500
σ		416.700	82.100	0.000	28.260	72.360	67.260	0.123%	1.115
%RSD		1.081	1.222	0.000	0.558	1.202	1.181	0.244	0.219
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	72.850	64.470	3078.000	118700.000	118000.000	44.500	89.670	102.400
2	12:31:29	72.610	64.120	3068.000	117100.000	117200.000	43.300	85.960	100.100
3	12:32:12	71.630	63.100	3041.000	117400.000	116900.000	43.470	87.770	99.840
x		72.360	63.900	3062.000	117700.000	117400.000	43.760	87.800	100.800
σ		0.648	0.709	19.410	880.600	532.100	0.653	1.854	1.414
%RSD		0.895	1.110	0.634	0.748	0.453	1.492	2.112	1.404
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	104.000	338.400	344.000	51.740	0.636	1.327	0.000	35.560
2	12:31:29	102.100	338.700	342.200	50.880	0.673	0.550	0.000	36.000
3	12:32:12	100.500	339.400	342.500	51.860	0.610	1.559	0.000	35.940
x		102.200	338.800	342.900	51.490	0.640	1.145	0.000	35.830
σ		1.732	0.518	0.976	0.535	0.032	0.529	0.000	0.239
%RSD		1.694	0.153	0.285	1.038	4.991	46.170	0.000	0.666
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	0.000	7.184	7.528	46.077%	0.199	0.162	1.276	1.045
2	12:31:29	0.000	7.448	7.479	46.009%	0.231	0.186	1.196	1.034
3	12:32:12	0.000	7.022	7.591	45.660%	0.238	0.155	1.289	1.012
x		0.000	7.218	7.533	45.915%	0.223	0.168	1.254	1.030
σ		0.000	0.215	0.056	0.223%	0.021	0.016	0.051	0.017
%RSD		0.000	2.980	0.744	0.487	9.219	9.769	4.045	1.640
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:46	50.679%	2.406	1.087	1.095	402.200	393.800	57.542%	57.341%
2	12:31:29	51.057%	2.404	1.086	1.010	399.800	393.800	57.815%	57.459%
3	12:32:12	50.559%	2.328	1.106	1.115	397.200	395.800	57.738%	57.813%
x		50.765%	2.379	1.093	1.074	399.700	394.500	57.698%	57.538%
σ		0.260%	0.045	0.011	0.056	2.478	1.129	0.141%	0.246%
%RSD		0.512	1.878	1.027	5.187	0.620	0.286	0.244	0.428
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:30:46	0.719	0.669	114.900	114.800	114.100	64.724%		
2	12:31:29	0.655	0.662	115.600	115.000	114.500	64.895%		
3	12:32:12	0.694	0.667	116.000	115.600	115.100	64.480%		
x		0.689	0.666	115.500	115.100	114.600	64.700%		
σ		0.032	0.004	0.552	0.435	0.520	0.208%		
%RSD		4.689	0.557	0.478	0.378	0.454	0.322		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	55.091%	2.958	43.440	43.440	0.000	603.800	26630.000	26320.000
2	12:39:44	54.576%	2.773	44.170	45.420	0.000	596.900	26140.000	25930.000
3	12:40:27	55.311%	2.792	46.360	44.910	0.000	591.500	25900.000	25990.000
x		54.993%	2.841	44.650	44.590	0.000	597.400	26220.000	26080.000
σ		0.377%	0.102	1.520	1.028	0.000	6.132	369.100	209.800
%RSD		0.686	3.591	3.403	2.306	0.000	1.026	1.408	0.804

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	31560.000	9417.000	0.000	3242.000	107600.000	113400.000	50.837%	555.700
2	12:39:44	31110.000	9295.000	0.000	3206.000	107600.000	111700.000	51.280%	547.400
3	12:40:27	31010.000	9210.000	0.000	3201.000	108200.000	111900.000	51.353%	536.200
x		31230.000	9308.000	0.000	3216.000	107800.000	112300.000	51.157%	546.400
σ		296.300	104.100	0.000	22.680	355.200	896.100	0.279%	9.769
%RSD		0.949	1.118	0.000	0.705	0.329	0.798	0.545	1.788

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	43.580	188.200	9431.000	163500.000	164800.000	36.680	116.400	1357.000
2	12:39:44	41.840	187.100	9417.000	161800.000	162000.000	36.160	113.700	1336.000
3	12:40:27	42.860	187.200	9417.000	162200.000	162600.000	36.280	114.000	1336.000
x		42.760	187.500	9422.000	162500.000	163200.000	36.370	114.700	1343.000
σ		0.873	0.596	8.546	874.700	1493.000	0.273	1.515	12.320
%RSD		2.042	0.318	0.091	0.538	0.915	0.750	1.321	0.917

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	1368.000	4546.000	4583.000	30.240	0.850	1.369	0.000	928.200
2	12:39:44	1352.000	4524.000	4618.000	29.680	1.272	2.017	0.000	929.800
3	12:40:27	1348.000	4489.000	4590.000	29.340	1.045	2.003	0.000	930.900
x		1356.000	4520.000	4597.000	29.750	1.056	1.796	0.000	929.600
σ		10.650	29.060	18.400	0.452	0.211	0.370	0.000	1.367
%RSD		0.785	0.643	0.400	1.520	20.010	20.600	0.000	0.147

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	0.000	9.801	9.997	45.691%	13.740	13.340	13.610	13.130
2	12:39:44	0.000	10.330	9.958	45.692%	13.570	13.430	13.060	12.960
3	12:40:27	0.000	9.951	10.500	46.394%	13.320	13.170	13.270	12.960
x		0.000	10.030	10.150	45.926%	13.540	13.320	13.310	13.020
σ		0.000	0.270	0.300	0.406%	0.209	0.133	0.278	0.099
%RSD		0.000	2.697	2.954	0.883	1.544	1.002	2.089	0.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	50.829%	107.400	47.490	48.360	1879.000	1863.000	55.085%	55.824%
2	12:39:44	51.564%	108.200	48.150	48.000	1868.000	1846.000	56.543%	57.372%
3	12:40:27	51.995%	108.300	48.310	48.550	1866.000	1846.000	57.469%	57.915%
x		51.463%	108.000	47.990	48.300	1871.000	1852.000	56.366%	57.037%
σ		0.589%	0.520	0.435	0.276	6.702	9.941	1.202%	1.085%
%RSD		1.145	0.481	0.907	0.572	0.358	0.537	2.133	1.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:01	1.193	1.179	2622.000	2618.000	2591.000	56.536%
2	12:39:44	1.208	1.201	2630.000	2622.000	2590.000	58.206%
3	12:40:27	1.189	1.215	2621.000	2630.000	2594.000	60.588%
x		1.197	1.199	2624.000	2623.000	2592.000	58.443%
σ		0.010	0.018	5.293	5.970	2.454	2.036%
%RSD		0.825	1.511	0.202	0.228	0.095	3.485

CRI 806392 4/29/2013 1:03:10 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	77.337%	0.901	5.225	5.720	0.000	93.110	92.890	94.010
2	13:04:36	75.890%	0.952	6.391	6.028	0.000	95.630	91.840	93.910
3	13:05:19	75.803%	0.928	5.881	6.010	0.000	93.890	94.210	93.960
x		76.344%	92.708%	116.650%	118.387%	0.000	94.207%	92.981%	93.961%
σ		0.862%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.129	2.758	10.020	2.920	0.000	1.367	1.280	0.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	34.030	504.600	0.000	91.120	83.590	102.800	69.082%	4.940
2	13:04:36	34.310	510.500	0.000	90.590	97.310	98.630	67.734%	5.249
3	13:05:19	34.350	501.800	0.000	89.630	80.580	95.810	65.555%	5.203
x		114.095%	101.126%	0.000	90.446%	87.163%	99.090%	67.457%	102.616%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.780%	n/a
%RSD		0.506	0.875	0.000	0.839	10.230	3.570	2.639	3.253

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	0.942	1.904	4.976	55.490	49.960	0.532	1.087	2.293
2	13:04:36	1.077	1.917	4.991	53.710	51.310	0.546	0.940	2.257
3	13:05:19	0.950	1.995	5.076	53.460	51.340	0.465	1.245	2.272
x		99.004%	96.936%	1002.836%	108.439%	101.734%	102.893%	109.044%	113.690%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		7.654	2.539	1.069	2.041	1.550	8.405	13.950	0.803

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	2.406	5.229	5.375	1.280	4.508	5.474	0.000	4.614
2	13:04:36	2.368	5.266	4.839	0.806	4.610	4.644	0.000	4.773
3	13:05:19	2.271	5.224	5.462	0.856	4.612	4.252	0.000	4.591
x		117.412%	104.793%	104.504%	98.079%	91.531%	95.803%	0.000	93.187%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.973	0.446	6.460	26.570	1.294	13.030	0.000	2.123

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	68.918%	4.687	4.812	61.931%	1.146	1.106	1.173	1.091
2	13:04:36	67.539%	4.982	5.070	60.572%	1.041	1.064	1.020	1.148
3	13:05:19	66.560%	4.905	5.123	59.200%	1.096	1.079	1.069	1.078
x		67.672%	97.154%	100.031%	60.568%	109.434%	108.284%	108.723%	110.570%
σ		1.184%	n/a	n/a	1.365%	n/a	n/a	n/a	n/a
%RSD		1.750	3.148	3.328	2.254	4.789	1.973	7.170	3.343

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	65.113%	5.098	1.922	1.960	10.430	10.010	66.819%	67.510%
2	13:04:36	63.835%	5.386	1.950	2.014	10.150	10.160	66.721%	67.260%
3	13:05:19	63.097%	5.291	1.879	2.033	10.530	10.280	65.666%	65.914%
x		64.015%	105.159%	95.834%	100.107%	103.729%	101.511%	66.402%	66.895%
σ		1.020%	n/a	n/a	n/a	n/a	n/a	0.639%	0.859%
%RSD		1.593	2.791	1.870	1.886	1.917	1.340	0.962	1.284

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:53	0.820	0.794	0.803	0.869	0.828	84.435%
2	13:04:36	0.818	0.798	0.823	0.877	0.836	83.265%
3	13:05:19	0.849	0.819	0.811	0.874	0.838	82.043%
x		82.909%	80.392%	81.265%	87.324%	83.378%	83.248%
σ		n/a	n/a	n/a	n/a	n/a	1.196%
%RSD		2.088	1.683	1.244	0.431	0.647	1.437

CRI 806392 4/29/2013 1:11:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	71.601%	0.929	5.614	5.949	0.000	96.900	95.100	93.720
2	13:12:53	71.145%	0.804	5.696	5.813	0.000	99.720	94.030	94.880
3	13:13:36	69.835%	1.006	5.825	5.989	0.000	99.720	94.640	94.370
x		70.860%	91.290%	114.239%	118.334%	0.000	98.780%	94.590%	94.323%
σ		0.917%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.294	11.210	1.859	1.563	0.000	1.648	0.565	0.618

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	34.560	505.600	0.000	91.040	95.920	95.720	62.791%	5.553
2	13:12:53	33.550	502.600	0.000	92.020	98.420	97.890	62.019%	5.364
3	13:13:36	34.530	496.500	0.000	91.100	104.100	102.800	61.818%	5.370
x		114.050%	100.309%	0.000	91.387%	99.472%	98.802%	62.209%	108.583%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.514%	n/a
%RSD		1.680	0.917	0.000	0.599	4.205	3.662	0.826	1.973

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	1.028	1.948	5.030	54.400	52.820	0.537	1.180	2.218
2	13:12:53	0.943	1.955	5.134	53.230	51.770	0.513	1.086	2.344
3	13:13:36	1.055	1.958	5.158	52.070	52.880	0.473	1.105	2.161
x		100.884%	97.685%	1021.421%	106.465%	104.973%	101.554%	112.356%	112.046%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		5.840	0.261	1.329	2.192	1.189	6.356	4.418	4.180

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	2.265	5.156	5.141	0.886	4.739	4.395	0.000	4.581
2	13:12:53	2.387	5.146	5.057	0.968	4.609	3.654	0.000	4.470
3	13:13:36	2.466	5.325	5.223	1.293	4.780	4.925	0.000	4.590
x		118.636%	104.178%	102.806%	104.894%	94.190%	86.494%	0.000	90.936%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.285	1.925	1.613	20.500	1.893	14.760	0.000	1.465

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	64.652%	4.854	4.843	57.045%	1.141	1.104	1.142	1.120
2	13:12:53	65.563%	4.915	4.973	56.982%	1.068	1.083	1.099	1.065
3	13:13:36	64.483%	4.528	4.504	65.938%	0.968	1.015	0.912	0.965
x		64.899%	95.309%	95.467%	59.988%	105.926%	106.728%	105.081%	105.008%
σ		0.581%	n/a	n/a	5.153%	n/a	n/a	n/a	n/a
%RSD		0.895	4.361	5.070	8.589	8.205	4.382	11.640	7.475

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	59.711%	5.219	1.979	1.982	10.080	10.310	63.123%	63.748%
2	13:12:53	60.024%	5.280	2.028	1.930	9.981	10.300	64.238%	64.739%
3	13:13:36	59.660%	5.393	1.899	2.008	10.330	10.330	63.764%	64.570%
x		59.798%	105.952%	98.431%	98.653%	101.302%	103.140%	63.708%	64.352%
σ		0.197%	n/a	n/a	n/a	n/a	n/a	0.560%	0.530%
%RSD		0.329	1.666	3.314	2.002	1.761	0.134	0.879	0.823

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:10	0.825	0.845	0.863	0.784	0.821	81.770%
2	13:12:53	0.803	0.841	0.882	0.904	0.877	80.977%
3	13:13:36	0.867	0.794	0.868	0.890	0.865	81.381%
x		83.157%	82.646%	87.088%	85.924%	85.429%	81.376%
σ		n/a	n/a	n/a	n/a	n/a	0.396%
%RSD		3.902	3.448	1.131	7.645	3.447	0.487

CCV 781130 4/29/2013 1:19:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	56.292%	104.800	101.600	103.300	0.000	52870.000	52530.000	51930.000
2	13:21:09	55.580%	103.400	107.400	103.800	0.000	52480.000	52100.000	51890.000
3	13:21:53	54.873%	104.900	106.600	104.900	0.000	53150.000	52610.000	52110.000
x		55.582%	104.379%	105.192%	104.003%	0.000	105.667%	104.823%	103.954%
σ		0.709%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.276	0.800	3.014	0.756	0.000	0.643	0.523	0.225

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	525.400	5607.000	0.000	51930.000	48850.000	46400.000	50.893%	102.900
2	13:21:09	523.400	5520.000	0.000	52400.000	49480.000	46660.000	49.411%	103.400
3	13:21:53	524.800	5195.000	0.000	52030.000	49170.000	45440.000	49.072%	100.500
x		104.901%	108.819%	0.000	104.246%	98.330%	92.332%	49.792%	102.282%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.968%	n/a
%RSD		0.200	3.989	0.000	0.476	0.646	1.394	1.945	1.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	101.900	101.900	467.200	26770.000	23940.000	104.200	105.400	106.000
2	13:21:09	103.100	102.800	471.400	27020.000	24190.000	104.000	106.100	106.200
3	13:21:53	101.100	101.700	470.500	26820.000	24020.000	104.000	105.800	105.300
x		102.015%	102.162%	93.940%	107.483%	96.187%	104.094%	105.765%	105.812%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.988	0.590	0.477	0.501	0.530	0.107	0.339	0.443

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	106.500	95.650	94.910	100.500	99.950	99.140	0.000	98.630
2	13:21:09	106.200	97.360	98.860	102.100	101.100	99.570	0.000	99.570
3	13:21:53	105.400	96.170	94.540	101.300	101.200	102.200	0.000	99.580
x		106.033%	96.394%	96.103%	101.336%	100.756%	100.304%	0.000	99.259%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.566	0.912	2.494	0.773	0.689	1.659	0.000	0.551

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	50.245%	105.700	105.600	47.843%	98.920	100.900	96.740	97.750
2	13:21:09	49.075%	107.600	108.700	46.907%	100.600	101.800	97.240	98.680
3	13:21:53	48.936%	106.200	109.000	46.394%	100.200	101.000	97.230	98.060
x		49.419%	106.484%	107.794%	47.048%	99.896%	101.220%	97.070%	98.164%
σ		0.719%	n/a	n/a	0.735%	n/a	n/a	n/a	n/a
%RSD		1.455	0.935	1.731	1.562	0.872	0.495	0.295	0.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	49.697%	99.460	96.160	96.030	102.600	101.300	53.336%	53.145%
2	13:21:09	48.694%	99.950	97.640	98.960	103.100	101.500	52.662%	53.409%
3	13:21:53	48.680%	100.500	96.610	97.020	102.600	103.300	52.986%	53.244%
x		49.024%	99.971%	96.802%	97.337%	102.755%	102.026%	52.995%	53.266%
σ		0.583%	n/a	n/a	n/a	n/a	n/a	0.337%	0.133%
%RSD		1.190	0.524	0.785	1.531	0.288	1.089	0.636	0.250

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:20:26	94.540	92.680	93.070	92.250	92.170	52.208%
2	13:21:09	95.950	94.360	93.520	93.570	93.540	51.962%
3	13:21:53	94.830	93.840	93.880	93.000	93.070	52.520%
x		95.104%	93.625%	93.490%	92.942%	92.929%	52.230%
σ		n/a	n/a	n/a	n/a	n/a	0.280%
%RSD		0.784	0.915	0.437	0.710	0.750	0.535

CCB10 4/29/2013 1:28:00 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	83.615%	0.020	1.261	0.894	0.000	7.683	12.550	12.480
2	13:29:26	86.241%	0.033	0.697	0.800	0.000	10.690	16.380	15.900
3	13:30:09	86.223%	0.019	0.697	0.760	0.000	13.040	18.110	17.410
x		85.360%	0.024	0.885	0.818	0.000	10.470	15.680	15.260
σ		1.511%	0.008	0.326	0.069	0.000	2.687	2.845	2.524
%RSD		1.770	34.190	36.790	8.414	0.000	25.660	18.150	16.540

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	2.940	2.112	0.000	1.041	6.619	9.553	82.044%	-0.134
2	13:29:26	3.248	10.180	0.000	2.841	16.140	13.440	84.178%	-0.055
3	13:30:09	3.574	6.800	0.000	5.923	12.190	16.790	84.586%	-0.187
x		3.254	6.363	0.000	3.268	11.650	13.260	83.602%	-0.125
σ		0.317	4.051	0.000	2.469	4.783	3.621	1.365%	0.066
%RSD		9.741	63.660	0.000	75.540	41.060	27.310	1.633	52.830

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	0.042	0.005	0.474	8.400	10.770	0.021	0.076	0.071
2	13:29:26	0.024	-0.009	0.570	10.300	12.850	0.033	0.099	0.081
3	13:30:09	0.027	-0.020	0.587	11.570	13.990	0.043	0.072	0.094
x		0.031	-0.008	0.544	10.090	12.540	0.032	0.083	0.082
σ		0.010	0.012	0.061	1.595	1.636	0.011	0.015	0.012
%RSD		31.340	152.700	11.190	15.810	13.050	34.120	17.850	14.150

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	0.080	0.352	0.387	-0.145	-0.264	-0.517	0.000	0.056
2	13:29:26	0.166	0.310	0.290	-0.433	-0.137	-1.246	0.000	0.059
3	13:30:09	0.114	0.323	0.400	-0.352	-0.176	-1.145	0.000	0.083
x		0.120	0.329	0.359	-0.310	-0.192	-0.969	0.000	0.066
σ		0.043	0.021	0.060	0.149	0.065	0.395	0.000	0.015
%RSD		35.940	6.528	16.720	48.000	33.680	40.770	0.000	22.560

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	65.963%	0.289	0.269	80.970%	0.013	0.016	0.091	0.073
2	13:29:26	68.399%	0.314	0.273	84.028%	0.017	0.022	-0.005	0.016
3	13:30:09	69.200%	0.241	0.247	84.859%	0.028	0.032	0.024	0.029
x		67.854%	0.281	0.263	83.286%	0.019	0.024	0.037	0.039
σ		1.686%	0.037	0.014	2.048%	0.008	0.008	0.050	0.030
%RSD		2.485	13.280	5.422	2.459	41.900	32.210	135.300	75.460

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	80.371%	0.173	0.039	0.042	0.033	0.086	84.451%	84.690%
2	13:29:26	83.467%	0.154	0.048	0.066	0.065	0.082	87.597%	87.556%
3	13:30:09	84.266%	0.173	0.045	0.047	0.022	0.074	88.175%	88.925%
x		82.702%	0.167	0.044	0.051	0.040	0.081	86.741%	87.057%
σ		2.057%	0.011	0.005	0.013	0.022	0.006	2.004%	2.161%
%RSD		2.487	6.577	10.590	25.180	56.240	7.162	2.310	2.482

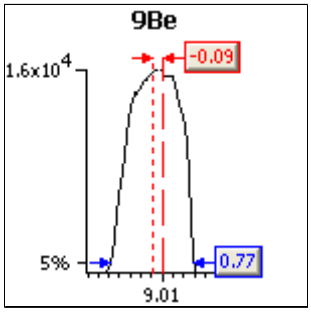
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:28:43	0.006	0.009	0.035	0.044	0.032	89.884%
2	13:29:26	0.013	0.010	0.046	0.036	0.041	92.926%
3	13:30:09	0.017	0.018	0.047	0.042	0.048	92.740%
x		0.012	0.013	0.043	0.041	0.040	91.850%
σ		0.006	0.005	0.006	0.004	0.008	1.706%
%RSD		47.200	37.870	15.230	10.590	20.500	1.857

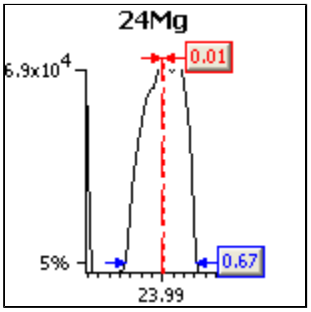
Performance Report

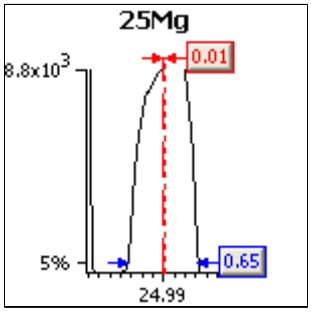
Sample details
Sample name : ITUNE
Acquired at : 4/29/2013 6:10:39 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

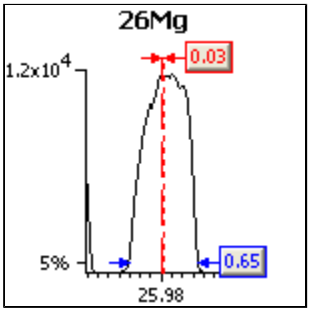
Mass Calibration verification

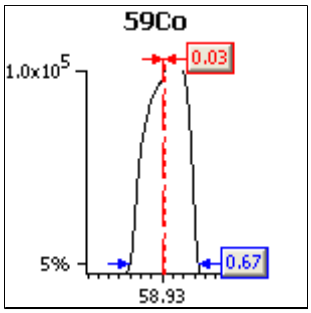
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

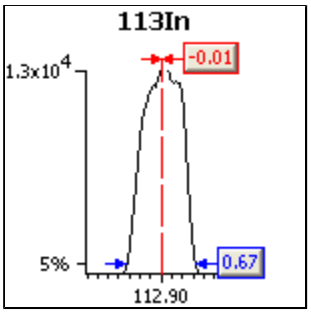


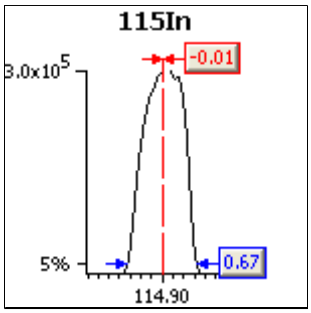


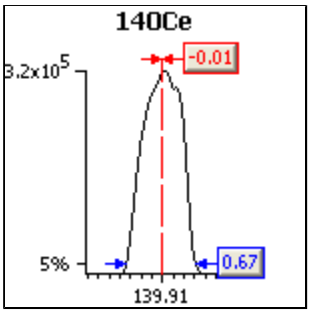


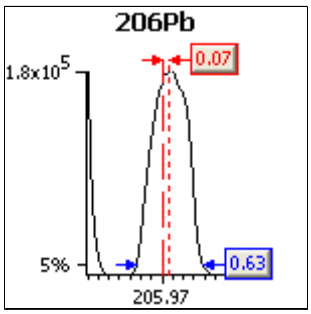


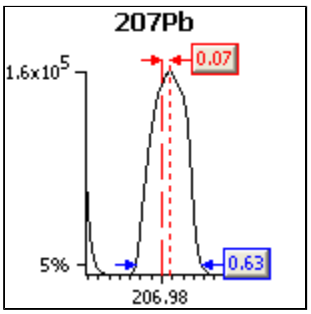


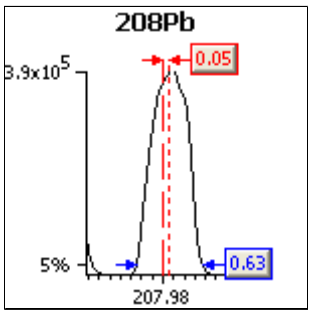












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.77	-0.09
24Mg	0.90	0.45	0.10	0.67	0.01
25Mg	0.90	0.45	0.10	0.65	0.01
26Mg	0.90	0.45	0.10	0.65	0.03
59Co	0.90	0.45	0.10	0.67	0.03
113In	0.90	0.45	0.10	0.67	-0.01
115In	0.90	0.45	0.10	0.67	-0.01
140Ce	0.90	0.45	0.10	0.67	-0.01
206Pb	0.90	0.45	0.10	0.63	0.07
207Pb	0.90	0.45	0.10	0.63	0.07
208Pb	0.90	0.45	0.10	0.63	0.05

Sample details
Sample name : ITUNE
Acquired at : 4/29/2013 6:10:39 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

Tune conditions

Major	
Extraction	-176
Lens 1	1.2
Focus	22.0
D1	-40.0
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.87
Sampling Depth	150

Minor	
Lens 2	-24.3
Lens 3	-156.1
Forward power	1302
Horizontal	72
Vertical	539
D2	-160
DA	-80.0
Cool	18.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>5000	-
1	6:11:27 PM	0	16289	70872	9259	10872	110521	98798	1
2	6:12:52 PM	0	16417	74346	9736	11593	121668	98956	1
3	6:14:17 PM	0	16375	72507	9490	11100	117340	99870	2
4	6:15:42 PM	0	16335	71899	9471	11156	115489	100331	0
5	6:17:07 PM	0	16305	69799	9184	10739	110142	100061	1
x		0	16344	71885	9428	11092	115032	99603	1
σ		0.13	52.36	1719.21	217.01	327.43	4843.29	685.05	0.76
%RSD		68.698	0.320	2.392	2.302	2.952	4.210	0.688	81.441

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	6:11:27 PM	18	0	12765	306870	1668	316707	5923	158327
2	6:12:52 PM	31	0	12902	307807	1905	316453	5834	157991
3	6:14:17 PM	16	0	12786	308486	1716	316741	5895	157205
4	6:15:42 PM	16	0	12820	310417	1647	320763	5985	163203
5	6:17:07 PM	15	0	13102	314405	1603	325142	6003	169553
x		19	0	12875	309597	1708	319161	5928	161256
σ		6.58	0.09	137.14	2986.01	117.61	3793.24	68.50	5202.81
%RSD		34.291	59.265	1.065	0.964	6.886	1.189	1.156	3.226

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	6:11:27 PM	144762	342760	0
2	6:12:52 PM	143407	339207	0
3	6:14:17 PM	142513	336805	0
4	6:15:42 PM	148658	351755	0
5	6:17:07 PM	154732	366815	0
x		146815	347469	0
σ		5010.33	12214.80	0.15
%RSD		3.413	3.515	81.441

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	6:11:27 PM	0
2	6:12:52 PM	0

3	6:14:17 PM	0
4	6:15:42 PM	0
5	6:17:07 PM	0
x		0.0186
σ		0.00
%RSD		0.6385

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80564 Batch Start Date: 04/04/13 14:05 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 04/04/13 14:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00486	MTHGCALW 00347	MTKMN04W 00040	
MB 240-80564/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-80564/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22488-C-1-A	079SB-0126M-0001 -SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-22488-C-2-A	079SB-0127M-0001 -SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22488-C-3-A	079SB-0128M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-22488-C-4-A	079SB-0129M-0001 -SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-22488-G-5-A	079SB-0130M-0001 -SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22488-C-6-A	079SB-0131M-0001 -SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22488-G-7-A	079SB-0132M-0001 -SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-22488-C-8-A	079SB-0133M-0001 -SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80582 Batch Start Date: 04/04/13 14:05 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 04/04/13 14:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00486	MTHGCALW 00347	MTKMN04W 00040	
MB 240-80582/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-80582/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22488-C-9-A	079SB-0134M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22488-C-9-A DU	079SB-0134M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22488-C-9-A MS	079SB-0134M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL	1 mL	15 mL	
240-22488-C-10-A	079SB-0135M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22488-G-11-A	079SB-0136M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22488-C-12-A	079SB-0137M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22488-C-13-A	079SB-0138M-0001-SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-22488-C-14-A	079SB-0139M-0001-SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-22488-C-15-A	079SB-0141M-0001-SO	7471A, 7471/DOD	T	0.58 g	100 mL	5 mL		15 mL	
240-22488-C-16-A	079SB-0142M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22488-C-17-A	079SB-0143M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22488-G-18-A	079SB-0144M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-22488-C-19-A	079SB-0145M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22488-C-20-A	079SB-0146M-0001-SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-22488-C-21-A	079SB-0147M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22488-C-22-A	079SB-0148M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22488-G-23-A	079SS-0053M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22488-C-24-A	079SS-0054M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80582 Batch Start Date: 04/04/13 14:05 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 04/04/13 14:35

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80700 Batch Start Date: 04/05/13 07:50 Batch Analyst: Sutherland, Aaron

Batch Method: 7471A Batch End Date: 04/05/13 08:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00487	MTHGCALW 00348	MTHgStd 00009	MTKMN04W 00040
ICV 240-80700/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.25 mL	15 mL
ICB 240-80700/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-80700/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-80700/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-80700/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383366-383364
Digestion Tube/Cup Lot #	122612

Basis	Basis Description

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Batch Number: 68556 Batch Start Date: 04/08/13 13:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 04/08/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00020
MB 180-68556/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.08 g	100 mL			
LCS 180-68556/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.14 g	100 mL	1 mL	1 mL	1 mL
240-22488-D-1	079SB-0126M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-D-1 DU	079SB-0126M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22488-D-1 MS	079SB-0126M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL	1 mL	1 mL	1 mL
240-22488-C-2	079SB-0127M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-C-3	079SB-0128M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-C-4	079SB-0129M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-E-5	079SB-0130M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-D-6	079SB-0131M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-22488-E-7	079SB-0132M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22488-C-8	079SB-0133M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-C-9	079SB-0134M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-22488-C-10	079SB-0135M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22488-E-11	079SB-0136M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-22488-C-12	079SB-0137M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-D-13	079SB-0138M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-C-14	079SB-0139M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22488-C-15	079SB-0141M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-C-16	079SB-0142M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-C-17	079SB-0143M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Batch Number: 68556 Batch Start Date: 04/08/13 13:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 04/08/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00020
240-22488-E-18	079SB-0144M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-22488-C-19	079SB-0145M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.04 g	100 mL			
240-22488-C-20	079SB-0146M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			

Batch Notes	
Analyst	CH
Balance ID	P1856710
Batch Comment	METALS A8
Blank Soil Lot Number	783730
First End time	1530
Filter Paper Lot Number	6326666B
Hydrogen peroxide lot number	10ML 781343
Logbook ID for diluted Nitric	10ML 785050
Lot # of Nitric Acid	5ML 781351
Hot Block ID number	#10
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	97 Degrees C
Pipette ID	L1201611U
Perform Calculation (0=No, 1=Yes)	1
First Start time	1330
Temperature	97 Degrees C
ID number of the thermometer	IP9 (0.0) C1
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	97 Celsius

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Batch Number: 68559 Batch Start Date: 04/08/13 15:00 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 04/08/13 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00020
MB 180-68559/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.04 g	100 mL			
LCS 180-68559/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.01 g	100 mL	1 mL	1 mL	1 mL
240-22488-C-21	079SB-0147M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-C-22	079SB-0148M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-22488-E-23	079SS-0053M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22488-C-24	079SS-0054M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			

Batch Notes	
Analyst	CH
Balance ID	P1856710
Batch Comment	METALS A8
Blank Soil Lot Number	783730
First End time	1700
Filter Paper Lot Number	6326666B
Hydrogen peroxide lot number	10ML 781343
Logbook ID for diluted Nitric	10ML 785050
Lot # of Nitric Acid	5ML 781351
Hot Block ID number	#10
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	97 Degrees C
Pipette ID	L1201611U
Perform Calculation (0=No, 1=Yes)	1
First Start time	1500
Temperature	97 Degrees C
ID number of the thermometer	IP9 (0.0) C1
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	97 Celsius

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22488-1

SDG No.:

Batch Number: 68559 Batch Start Date: 04/08/13 15:00 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 04/08/13 17:00

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SB-0126M-0001-SO	240-22488-1
079SB-0127M-0001-SO	240-22488-2
079SB-0128M-0001-SO	240-22488-3
079SB-0129M-0001-SO	240-22488-4
079SB-0130M-0001-SO	240-22488-5
079SB-0131M-0001-SO	240-22488-6
079SB-0132M-0001-SO	240-22488-7
079SB-0133M-0001-SO	240-22488-8
079SB-0134M-0001-SO	240-22488-9
079SB-0135M-0001-SO	240-22488-10
079SB-0136M-0001-SO	240-22488-11
079SB-0137M-0001-SO	240-22488-12
079SB-0138M-0001-SO	240-22488-13
079SB-0139M-0001-SO	240-22488-14
079SB-0141M-0001-SO	240-22488-15
079SB-0142M-0001-SO	240-22488-16
079SB-0143M-0001-SO	240-22488-17
079SB-0144M-0001-SO	240-22488-18
079SB-0145M-0001-SO	240-22488-19
079SB-0146M-0001-SO	240-22488-20
079SB-0147M-0001-SO	240-22488-21
079SB-0148M-0001-SO	240-22488-22
079SS-0053M-0001-SO	240-22488-23
079SS-0054M-0001-SO	240-22488-24

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22488-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SB-0130M-0001-SO	240-22488-5
079SB-0132M-0001-SO	240-22488-7
079SB-0136M-0001-SO	240-22488-11
079SB-0144M-0001-SO	240-22488-18
079SS-0053M-0001-SO	240-22488-23

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SB-0130M-0001-SO
Lab Sample ID: 240-22488-5
Lab Name: TestAmerica Sacramento
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 17:35
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.8	5.1	1.8	0.79	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SB-0132M-0001-SO
Lab Sample ID: 240-22488-7
Lab Name: TestAmerica Sacramento
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:52
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.8	4.9	1.8	0.77	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SB-0136M-0001-SO
Lab Sample ID: 240-22488-11
Lab Name: TestAmerica Sacramento
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:31
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.8	5.0	1.8	0.78	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SB-0144M-0001-SO
Lab Sample ID: 240-22488-18
Lab Name: TestAmerica Sacramento
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 14:37
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.8	4.9	1.8	0.76	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SS-0053M-0001-SO
Lab Sample ID: 240-22488-23
Lab Name: TestAmerica Sacramento
Job No.: 240-22488-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/25/2013 16:45
Reporting Basis: WET
Date Received: 03/26/2013 18:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.8	4.9	1.8	0.77	mg/Kg	U		1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Analyst: JS Batch Start Date: 04/10/2013

Reporting Units: mg/L Analytical Batch No.: 14024

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	11:02	Nitrocellulose	8.45	8.40	101	90-110		WC-353.2-ICV_00021
9	ICB	11:04	Nitrocellulose	1.0				U	
21	CCV	11:28	Nitrocellulose	8.60	8.40	102	90-110		WC-353.2-L4_00015
22	CCB	11:30	Nitrocellulose	1.0				U	
34	CCV	11:54	Nitrocellulose	8.28	8.40	99	90-110		WC-353.2-L4_00015
35	CCB	11:56	Nitrocellulose	1.0				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 14024	Date: 04/10/2013 11:16	Prep Batch: 13968	Date: 04/10/2013 08:01				
WS-WC-0050	MB 320-13863/1-B	Nitrocellulose	1.8	U	mg/Kg	5.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14024	Date: 04/10/2013 11:18		Prep Batch: 13968			Date: 04/10/2013 08:01					
						LCS Source: HPNCSP_00008					
WS-WC-0050	LCS 320-13863/2-B	Nitrocellulose	37.1		mg/Kg	50.6	73	34-115			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 DL Date: 03/15/2011 14:37

Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22488-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No: 240-22488-1

SDG No.:

Instrument ID: FS4 Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-13863/1-B	04/10/2013 08:01	13968		45	40
LCS 320-13863/2-B	04/10/2013 08:01	13968		45	40
240-22488-5	04/10/2013 08:01	13968		45	40
240-22488-7	04/10/2013 08:01	13968		45	40
240-22488-11	04/10/2013 08:01	13968		45	40
240-22488-18	04/10/2013 08:01	13968		45	40
240-22488-23	04/10/2013 08:01	13968		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
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ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
240-22488-1	1	T	11:05	X	X																			
240-22488-2	1	T	11:05	X	X																			
240-22488-3	1	T	11:05	X	X																			
240-22488-4	1	T	11:05	X	X																			
240-22488-5	1	T	11:05	X	X																			
240-22488-6	1	T	11:05	X	X																			
240-22488-7	1	T	11:05	X	X																			
240-22488-8	1	T	11:05	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
240-22488-9	1	T	11:05	X	X																		
240-22488-10	1	T	11:05	X	X																		
240-22488-11	1	T	11:05	X	X																		
240-22488-12	1	T	11:05	X	X																		
240-22488-13	1	T	11:05	X	X																		
240-22488-14	1	T	11:05	X	X																		
240-22488-15	1	T	11:05	X	X																		
240-22488-15 DU	1	T	11:05	X	X																		
240-22488-16	1	T	11:05	X	X																		
240-22488-16 DU	1	T	11:05	X	X																		
240-22488-17	1	T	11:05	X	X																		
240-22488-18	1	T	11:05	X	X																		
240-22488-19	1	T	11:05	X	X																		
240-22488-20	1	T	11:05	X	X																		
240-22488-21	1	T	11:05	X	X																		
240-22488-22	1	T	11:05	X	X																		
240-22488-23	1	T	11:05	X	X																		
240-22488-24	1	T	11:05	X	X																		
ZZZZZZ			11:05																				
ZZZZZZ			11:05																				
ZZZZZZ			11:05																				
ZZZZZZ			11:05																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/02/2013 11:05 End Date: 04/02/2013 11:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
ZZZZZZ			11:05																					
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ZZZZZZ			11:05																					
ZZZZZZ			11:05																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/10/2013 10:48 End Date: 04/10/2013 12:36

Lab Sample ID	D/F	Type	Time	Analytes																				
				NCL																				
ZZZZZZ			10:48																					
STD5 320-14024/2 IC			10:50	X																				
STD4 320-14024/3 IC			10:52	X																				
STD3 320-14024/4 IC			10:54	X																				
STD2 320-14024/5 IC			10:56	X																				
STD1 320-14024/6 IC			10:58	X																				
STD0 320-14024/7 IC			11:00	X																				
ICV 320-14024/8	1		11:02	X																				
ICB 320-14024/9	1		11:04	X																				
MRL 320-14024/10	1	T	11:06	X																				
ZZZZZZ			11:08																					
ZZZZZZ			11:10																					
ZZZZZZ			11:12																					
ZZZZZZ			11:14																					
MB 320-13863/1-B	1	T	11:16	X																				
LCS 320-13863/2-B	1	T	11:18	X																				
ZZZZZZ			11:20																					
ZZZZZZ			11:22																					
ZZZZZZ			11:24																					
MRL 320-14024/20	1	T	11:26	X																				
CCV 320-14024/21	1		11:28	X																				
CCB 320-14024/22	1		11:30	X																				
ZZZZZZ			11:32																					
ZZZZZZ			11:34																					
ZZZZZZ			11:36																					
ZZZZZZ			11:38																					
ZZZZZZ			11:40																					
240-22488-5	1	T	11:42	X																				
240-22488-7	1	T	11:44	X																				
240-22488-11	1	T	11:46	X																				
240-22488-18	1	T	11:48	X																				
240-22488-23	1	T	11:50	X																				
ZZZZZZ			11:52																					
CCV 320-14024/34	1		11:54	X																				
CCB 320-14024/35	1		11:56	X																				
ZZZZZZ			11:58																					
ZZZZZZ			12:00																					
ZZZZZZ			12:02																					
ZZZZZZ			12:04																					
ZZZZZZ			12:06																					
ZZZZZZ			12:08																					
ZZZZZZ			12:10																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/10/2013 10:48 End Date: 04/10/2013 12:36

Lab Sample ID	D / F	Type	Time	Analytes																			
				NCL																			
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:16																				
ZZZZZZ			12:18																				
CCV 320-14024/47			12:20																				
ZZZZZZ			12:22																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
CCV 320-14024/53			12:32																				
CCB 320-14024/54			12:34																				
ZZZZZZ			12:36																				

Prep Types

T = Total/NA

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013A.RST
Date: 10-Apr-13
Operator: JRS

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	102	sync	1	SYNC	1	1	243358	1.995138	
B	0	Baseline	1	RB	1	1	0	0.004554	BL
3	102	Cal 5	1	C	1	1	244250	2.002432	
4	103	Cal 4	1	C	1	1	121438	0.997879	
5	104	Cal 3	1	C	1	1	47197	0.390608	
6	105	Cal 2	1	C	1	1	24521	0.205124	
7	106	Cal 1	1	C	1	1	5528	0.049773	
8	0	Cal 0	1	C	1	1	-45	0.004184	
9	107	ICV	1	U	1	1	122409	1.005816	
10	0	BLANK/ICB	1	BLNK	1	1	67	0.005102	
11	106	MRL	1	U	1	1	5610	0.050445	
12	108	NO2 1PPM	1	U	1	1	123264	1.012814	
13	109	NO3 1PPM	1	U	1	1	121474	0.998172	
14	0	Blank	1	BLNK	1	1	114	0.005486	
B	0	Baseline	1	RB	1	1	0	0.004554	BL
16	113	mb 320-13863/1-b 1	U		1	1	1424	0.016205	
17	114	lcs 320-13863/2-b 1	U		1	1	134453	1.104332	
18	115	240-22381-g-3-k 1	U		1	1	1386	0.015892	
19	116	240-22381-g-3-l ms 1	U		1	1	54804	0.452832	
20	117	240-22381-g-3-m msd 1	U		1	1	58286	0.481310	
21	106	MRL	1	U	1	1	5840	0.052325	
22	103	CCV	1	U	1	1	124454	1.022548	
23	0	Blank	1	BLNK	1	1	154	0.005818	
B	0	Baseline	1	RB	1	1	0	0.004554	BL
25	118	240-22381-g-6-k 1	U		1	1	1294	0.015139	
26	119	240-22381-g-24-k 1	U		1	1	1382	0.015861	
27	120	240-22392-i-8-f 1	U		1	1	709	0.010354	
28	121	240-22392-f-12-d 1	U		1	1	1038	0.013045	
29	122	240-22488-f-5-f 1	U		1	1	1242	0.014711	
30	123	240-22488-f-7-d 1	U		1	1	966	0.012457	
31	124	240-22488-f-11-d 1	U		1	1	1080	0.013386	
32	125	240-22488-f-18-d 1	U		1	1	1233	0.014644	
33	126	240-22488-f-23-d 1	U		1	1	1468	0.016561	
34	106	MRL	1	U	1	1	5551	0.049963	
35	103	CCV	1	U	1	1	119818	0.984624	
36	0	BLANK	1	BLNK	1	1	86	0.005261	
B	0	Baseline	1	RB	1	1	0	0.004554	BL
38	127	mb 320-13864/1-b 1	U		1	1	1708	0.018528	
39	128	lcs 320-13864/2-b 1	U		1	1	163346	1.340671	
40	129	240-22648-n-18-d 1	U		1	1	1821	0.019453	
41	130	240-22648-n-18-e ms 1	U		1	1	158194	1.298527	
42	131	240-22648-n-18-f msd 1	U		1	1	148261	1.217275	
43	132	240-22662-o-1-b 1	U		1	1	1956	0.020556	
44	133	240-22804-p-11-b 1	U		1	1	2318	0.023512	
45	134	640-42923-c-1-b 1	U		1	1	1436	0.016303	
46	135	640-42923-c-2-b 1	U		1	1	1867	0.019829	
47	106	MRL	1	U	1	1	5637	0.050666	
48	103	CCV	1	U	1	1	119155	0.979200	
49	0	BLANK	1	BLNK	1	1	41	0.004888	
B	0	Baseline	1	RB	1	1	0	0.004554	BL
51	136	640-42923-c-3-b 1	U		1	1	1587	0.017536	
52	137	640-42923-c-4-b 1	U		1	1	1481	0.016667	
53	106	MRL	1	U	1	1	5654	0.050798	
54	103	CCV	1	U	1	1	122447	1.006129	
55	0	BLANK	1	BLNK	1	1	176	0.005993	
B	0	Baseline	1	RB	1	1	0	0.004554	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013A.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013a.tbl
Method path: Y:\no3_no2.mth
Date acquired: 10-Apr-13
Time acquired: 12:41

Facility Name:
Facility Location:
Department:

Operator Name: JRS
Operator ID: JRS

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	10:48:49	0.00	[C]
102	Cal 5	C	10:50:49	2.00	[C]
103	Cal 4	C	10:52:49	1.00	[C]
104	Cal 3	C	10:54:49	0.39	[C]
105	Cal 2	C	10:56:49	0.21	[C]
106	Cal 1	C	10:58:49	0.05	[C]
0	Cal 0	C	11:00:50	0.00	[C]
107	ICV	-	11:02:50	1.01	[-]
0	BLANK/ICB	C	11:04:50	0.01	[C]
106	MRL	-	11:06:50	0.05	[-]
108	NO2 1PPM	-	11:08:50	1.01	[-]
109	NO3 1PPM	-	11:10:51	1.00	[-]
0	Blank	C	11:12:51	0.01	[C]
0	Baseline	C	11:14:51	0.00	[C]
113	mb 320-13863/1-b	-	11:16:51	0.02	[-]
114	lcs 320-13863/2-b	-	11:18:51	1.10	[-]
115	240-22381-g-3-k	-	11:20:51	0.02	[-]
116	240-22381-g-3-l ms	-	11:22:52	0.45	[-]
117	240-22381-g-3-m msd	-	11:24:52	0.48	[-]
106	MRL	-	11:26:52	0.05	[-]
103	CCV	-	11:28:52	1.02	[-]
0	Blank	C	11:30:52	0.01	[C]
0	Baseline	C	11:32:52	0.00	[C]
118	240-22381-g-6-k	-	11:34:53	0.02	[-]
119	240-22381-g-24-k	-	11:36:53	0.02	[-]
120	240-22392-i-8-f	-	11:38:53	0.01	[-]
121	240-22392-f-12-d	-	11:40:53	0.01	[-]
122	240-22488-f-5-f	-	11:42:53	0.01	[-]
123	240-22488-f-7-d	-	11:44:53	0.01	[-]
124	240-22488-f-11-d	-	11:46:54	0.01	[-]
125	240-22488-f-18-d	-	11:48:54	0.01	[-]
126	240-22488-f-23-d	-	11:50:54	0.02	[-]
106	MRL	-	11:52:54	0.05	[-]
103	CCV	-	11:54:54	0.98	[-]
0	BLANK	C	11:56:55	0.01	[C]
0	Baseline	C	11:58:55	0.00	[C]
127	mb 320-13864/1-b	-	12:00:55	0.02	[-]
128	lcs 320-13864/2-b	-	12:02:55	1.34	[-]
129	240-22648-n-18-d	-	12:04:55	0.02	[-]
130	240-22648-n-18-e ms	-	12:06:55	1.30	[-]
131	240-22648-n-18-f msd	-	12:08:56	1.22	[-]
132	240-22662-o-1-b	-	12:10:56	0.02	[-]
133	240-22804-p-11-b	-	12:12:56	0.02	[-]
134	640-42923-c-1-b	-	12:14:56	0.02	[-]
135	640-42923-c-2-b	-	12:16:56	0.02	[-]
106	MRL	-	12:18:56	0.05	[-]
103	CCV	-	12:20:57	0.98	[-]
0	BLANK	C	12:22:57	0.00	[C]
0	Baseline	C	12:24:57	0.00	[C]
136	640-42923-c-3-b	-	12:26:57	0.02	[-]
137	640-42923-c-4-b	-	12:28:57	0.02	[-]
106	MRL	-	12:30:57	0.05	[-]
103	CCV	-	12:32:58	1.01	[-]
0	BLANK	C	12:34:58	0.01	[C]
0	Baseline	C	12:36:58	0.00	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-56

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013A.RST
Date: 10-Apr-13
Operator: JRS

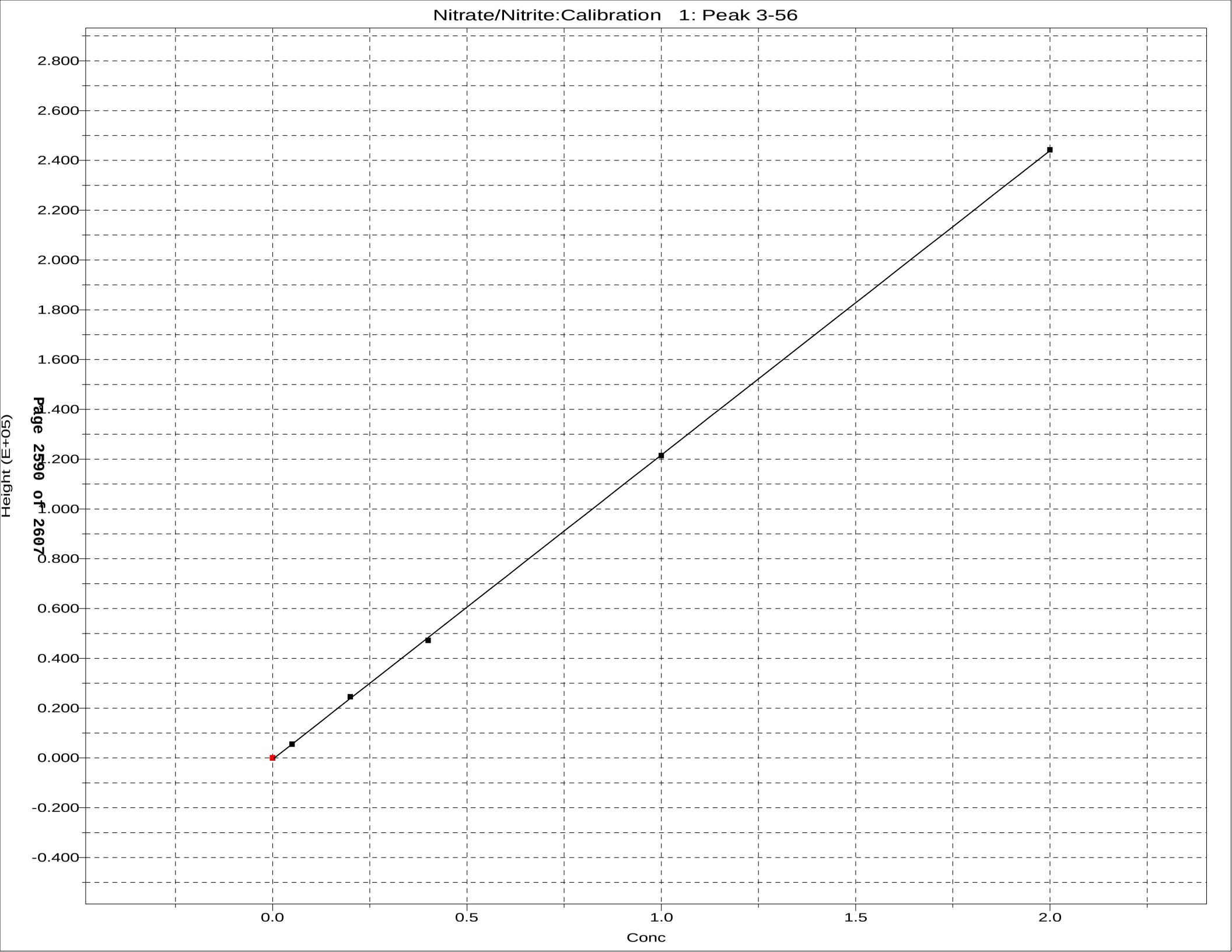
*	Name	Conc	Height
*	Cal 5	2.000000	244249.578125
*	Cal 4	1.000000	121438.406250
*	Cal 3	0.400000	47196.843750
*	Cal 2	0.200000	24520.556641
*	Cal 1	0.050000	5528.250488
*	Cal 0	0.000000	-45.275452

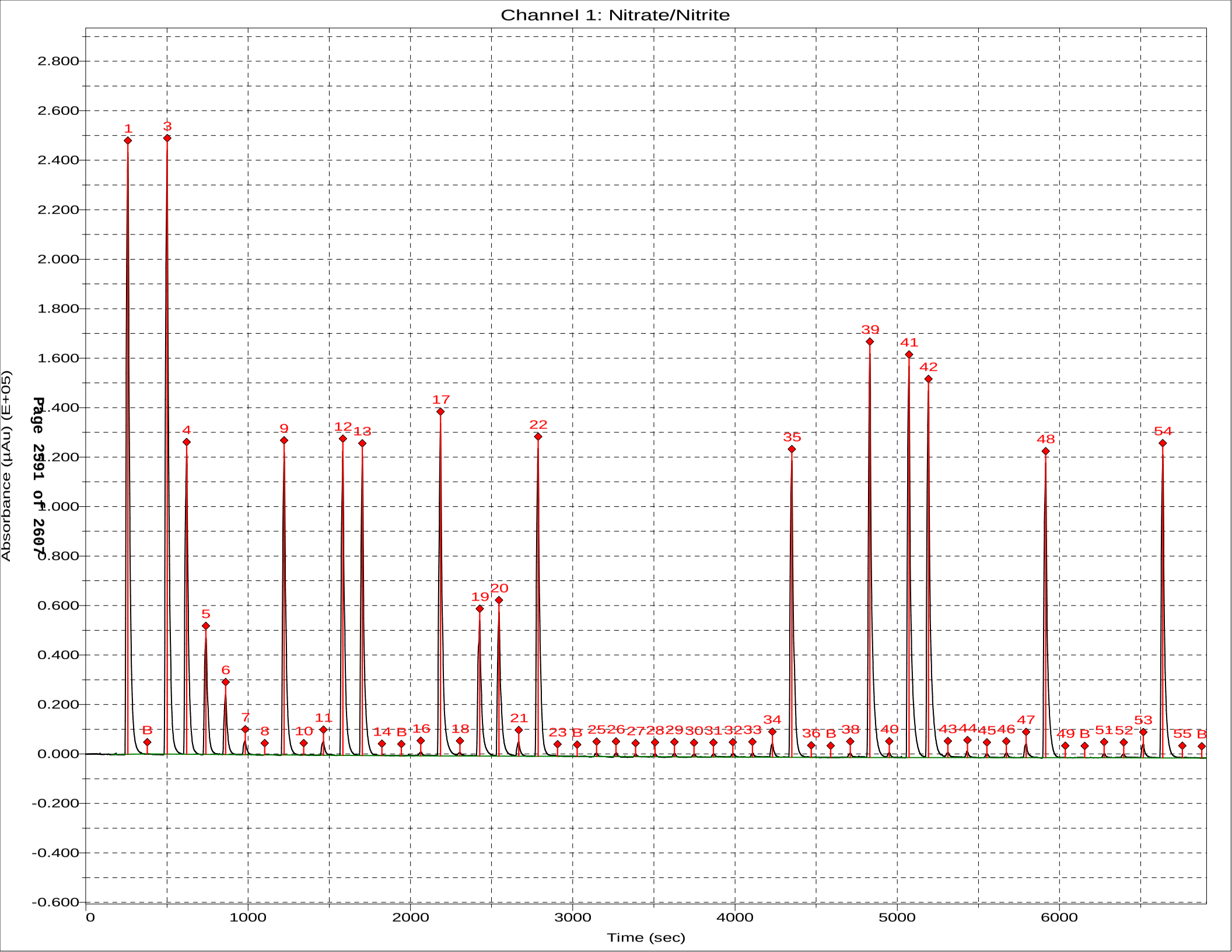
Calib Coef:
y=bx+a
a: (intercept) -5.5676e+02
b: 1.2225e+05

Corr Coef: 0.999976

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-56
Height (E+05)
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
0.0
0.5
1.0
1.5
2.0
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
Page 2591 of 2607
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
0
1000
2000
3000
4000
5000
6000
1 B 3 4 5 6 7 8 9 10 11 12 13 14 B 16 17 18 19 20 21 22 23 B 25 26 27 28 29 30 31 32 33 34 35 36 B 38 39 40 41 42 43 44 45 46 47 48 49 B 51 52 53 54 55 B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Level I and Level II Review Checklist
General Chemistry

Instrument ID FS4		353.2_Nitro	
Batch 14024 ~~14025~~	File # 041013A	Date 4/10/13	Analyst JRB

Lot Numbers	YES	NO	NA
LEVEL 1 Review: ~~320-22381~~, 22392, 22662, 22804 ~~320-22486, 22490~~, 22488, 22648, 640-42923			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓		
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard trakcing #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted	✓		

COMMENTS: NCM ID #: 5519

REVIEWED BY: LW
DATE: 4/11/13

DATA ENTERED BY: JRB 4/10/13
DATE:

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80250 Batch Start Date: 04/02/13 11:05 Batch Analyst: Stiller, Jennifer

Batch Method: Moisture Batch End Date: 04/03/13 07:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22488-A-1	079SB-0126M-0001-SO	Moisture	T	4.4306 g	14.8732 g	14.6856 g			
240-22488-A-2	079SB-0127M-0001-SO	Moisture	T	4.4306 g	11.0484 g	10.9231 g			
240-22488-A-3	079SB-0128M-0001-SO	Moisture	T	4.4306 g	13.7748 g	13.6160 g			
240-22488-A-4	079SB-0129M-0001-SO	Moisture	T	4.4306 g	8.1545 g	8.0834 g			
240-22488-D-5	079SB-0130M-0001-SO	Moisture	T	4.4306 g	10.3708 g	9.3141 g			
240-22488-A-6	079SB-0131M-0001-SO	Moisture	T	4.4306 g	9.8542 g	9.7430 g			
240-22488-D-7	079SB-0132M-0001-SO	Moisture	T	4.4306 g	9.9455 g	8.7142 g			
240-22488-A-8	079SB-0133M-0001-SO	Moisture	T	4.4306 g	8.2766 g	8.2232 g			
240-22488-A-9	079SB-0134M-0001-SO	Moisture	T	4.4306 g	8.8613 g	8.7708 g			
240-22488-A-10	079SB-0135M-0001-SO	Moisture	T	4.4306 g	14.3730 g	14.2476 g			
240-22488-D-11	079SB-0136M-0001-SO	Moisture	T	4.4306 g	10.5081 g	9.3565 g			
240-22488-A-12	079SB-0137M-0001-SO	Moisture	T	4.4306 g	9.8240 g	9.7340 g			
240-22488-A-13	079SB-0138M-0001-SO	Moisture	T	4.4306 g	9.1801 g	9.0943 g			
240-22488-A-14	079SB-0139M-0001-SO	Moisture	T	4.4306 g	12.0481 g	11.8708 g			
240-22488-A-15	079SB-0141M-0001-SO	Moisture	T	4.4306 g	8.8243 g	8.7312 g			
240-22488-A-15 DU	079SB-0141M-0001-SO	Moisture	T	4.4306 g	9.1433 g	9.0365 g			
240-22488-A-16	079SB-0142M-0001-SO	Moisture	T	4.4306 g	8.3209 g	8.2461 g			
240-22488-A-16 DU	079SB-0142M-0001-SO	Moisture	T	4.4306 g	7.3204 g	7.2691 g			
240-22488-A-17	079SB-0143M-0001-SO	Moisture	T	4.4306 g	14.8508 g	14.6609 g			
240-22488-D-18	079SB-0144M-0001-SO	Moisture	T	4.4306 g	10.0250 g	9.1096 g			
240-22488-A-19	079SB-0145M-0001-SO	Moisture	T	4.4306 g	12.5671 g	12.4257 g			

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22488-1

SDG No.:

Batch Number: 80250 Batch Start Date: 04/02/13 11:05 Batch Analyst: Stiller, Jennifer

Batch Method: Moisture Batch End Date: 04/03/13 07:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22488-A-20	079SB-0146M-0001-SO	Moisture	T	4.4306 g	11.4850 g	11.3610 g			
240-22488-A-21	079SB-0147M-0001-SO	Moisture	T	4.4306 g	8.5174 g	8.4393 g			
240-22488-A-22	079SB-0148M-0001-SO	Moisture	T	4.4306 g	12.5837 g	12.4247 g			
240-22488-D-23	079SS-0053M-0001-SO	Moisture	T	4.4306 g	9.3760 g	8.1319 g			
240-22488-A-24	079SS-0054M-0001-SO	Moisture	T	4.4306 g	13.3135 g	13.1456 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	4-2-13
Oven Temp when samples are put in oven	100.8 Degrees C
Time samples were place in the oven	1525
Date samples were removed from oven	4-3-13
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	5:25
Oven ID	002
ID number of the thermometer	TEMPGUARD BOX C #6

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13863 Batch Start Date: 04/09/13 05:50 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 04/09/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00008			
MB 320-13863/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-13863/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-22488-F-5	079SB-0130M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	9.87 g	45 mL				
240-22488-F-7	079SB-0132M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.16 g	45 mL				
240-22488-F-11	079SB-0136M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.06 g	45 mL				
240-22488-F-18	079SB-0144M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.21 g	45 mL				
240-22488-F-23	079SS-0053M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.14 g	45 mL				

Batch Notes	
1:1 MeOH/H2O	4515-025D
Acetone Lot #	00000010624 Baker
Centrifuge Tube	BD FALCOM 2142558

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 13968 Batch Start Date: 04/10/13 05:00 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 04/10/13 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-13863/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-13863/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-22488-F-5-E	079SB-0130M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22488-F-7-C	079SB-0132M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22488-F-11-C	079SB-0136M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22488-F-18-C	079SB-0144M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-22488-F-23-C	079SS-0053M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2SA72748
Centrifuge Tube	BD FALCOM 2142558
Sulfuric Acid Lot Number	Sulfuric Acid_00001
Millipore Water Dispense Date	4/5/13
NaOH Lot #	1NNaOH_00002

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22488-1

SDG No.:

Batch Number: 14024 Batch Start Date: 04/10/13 10:48 Batch Analyst: Stredny, Joseph

Batch Method: WS-WC-0050 Batch End Date: 04/10/13 12:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00021	WC-353.2-L4 00015				
ICV 320-14024/8		WS-WC-0050		# mL					
CCV 320-14024/21		WS-WC-0050			# mL				
CCV 320-14024/34		WS-WC-0050			# mL				

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-21-3, Exp. 7/5/13
NO2/NO3 Indicator ID #	4525-WC-21-1 e. 5.31.13

Basis	Basis Description

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.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
FCL		3-26-13	002596
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
City / State / Zip Code	**Site Contact** J. DONOVAN	**Lab Contact** M. LOEB	
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	TAL Metals	VOC	SVOC	Explosives	Pharmaceuticals	PCB	Pesticide	O/G Solids
07958-0105M-0001-SO	3-22-13	1527											X							
↓ -0106M- ↓	3-23-13	1456																		
07958-0118M-0001-SO	3-25-13	1108																		
-0119M-		1112																		
-0120M-		1112																		
-0121M-		1613																		
-0122M-		0958																		
-0123M-		1015																		
-0124M-		1110											X	X	X	X	X	X	X	X
-0125M-		1053																		
-0126M-		1128																		
-0127M- ↓	↓	1128											↓							

240-22488 Chain of Custody

FULL SUITE

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3-26-13	1725	1. Received By	3-26-13	1725
2. Relinquished By	3-26-13	1816	2. Received By	3-26-13	1816
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
FCC		3-26-13	002597
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
City / State / Zip Code	**Site Contact** J. DONOVAN	**Lab Contact** M. LOEB	
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	TAL Americium	VOC	SVOC	Explosives	Chlorinated Pesticides	PCB	Gross Alpha						Special Instructions
0795B-0128M-0001-SO	3-25-13	1720											X												
-0129M-		1725																							
-0130M-		1735												X	X	X	X	X	X						FULL SUITE
-0131M-		1658																							
-0132M-		1652												X	X	X	X	X	X						FULL SUITE
-0133M-		1710																							
-0134M		1630																							
-0135M		1632																							
-0136M		1631												X	X	X	X	X	X						FULL SUITE
-0137M-		1601																							
-0138M-		1545																							
-0139M-		1529																							

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By Jeff DW	3-26-13	1725	1. Received By TC	3-26-13	1725
2. Relinquished By TC	3-26-13	1816	2. Received By	3-26-13	1816
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
FTCL		3-26-13	002598
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 53 of 3**
City / **State** / **Zip Code**	**Site Contact**: J-DONOVAN **Lab Contact**: M. LOEB		
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Volatiles	VOC	SVOC	PCB	Pesticides	Pesticides/Herbicides	Propellants	% Solid	Special Instructions/ Conditions of Receipt
0795B-0141M-0001-10	3-25-13	1512											X								
-0142M-		1430																			
-0143M-		1430																			
-0144M-		1437												X	X	X	X	X	X		FULL SUITE
-0145M-		1415																			
-0146M-		1130																			
-0147M-		1145																			
-0148M-		1210																			

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3-26-13	1725	1. Received By: RC (FedEx)	3-26-13	1725
2. Relinquished By: RC (FedEx)	3-26-13	1816	2. Received By	3-26-13	1816
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

TestAmerica Canton Sample Receipt Form/Narrative Login # : 22498

Client ECC Site Name _____ By: _____

Cooler Received on 3.26.13 Opened on 3.26.13 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off ~~TestAmerica Courier~~ Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box (Other) _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☐ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	~~No~~
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No	~~NA~~
-Were custody seals on the bottle(s)?	Yes	~~No~~
3. Shippers' packing slip attached to the cooler(s)?	Yes	~~No~~
4. Did custody papers accompany the sample(s)?	~~Yes~~	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Did all bottles arrive in good condition (Unbroken)?	~~Yes~~	No
7. Could all bottle labels be reconciled with the COC?	~~Yes~~	No
8. Were correct bottle(s) used for the test(s) indicated?	~~Yes~~	No
9. Sufficient quantity received to perform indicated analyses?	~~Yes~~	No
10. Were sample(s) at the correct pH upon receipt?	Yes No	~~NA~~
11. Were VOAs on the COC?	~~Yes~~	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	~~No~~ NA
13. Was a trip blank present in the cooler(s)?	~~Yes~~	No

Contacted PM MJL Date 3/28/13 by CSL ~~via Verbal~~ Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Rec'd 2x40 ml H20 trip blanks not on COC

Rec'd 1xL and 3x40mesh 07955-0053M-0001-SO 1645

Rec'd 1xL 07955-0054M-0001-SO 1508

not on COC

Did not rec'v the first 10 samples listed on COC 1of3 (002596)

15. SAMPLE CONDITION

Sample(s)	were received after the recommended holding time had expired.
Sample(s)	were received in a broken container.
Sample(s)	were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22488-1

Login Number: 22488
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/02/13 01:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers received broken. No volume could be salvaged for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22488-1

Login Number: 22488
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/03/13 03:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22488-1

Login Number: 22488
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento
List Creation: 04/02/13 09:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	